

Humptulips Drainage - Barrier Inventory Results

Total sites inventoried = 851

Fish use of 851 inventoried sites

Yes, fish bearing = 414

No, non fish bearing = 335

Unable to determine fish use status = 102

Barrier status of 516 fish bearing sites (*Fish use = yes and unknown*)

Yes, a barrier = 371

No, not a barrier = 47

Unable to determine barrier status = 98

Percent passable of 371 Barrier Sites

0% passable, total barrier = 10

33% passable, severe barrier = 189

67% passable, partial barrier = 172

Ownership of 371 Fish Bearing, Barrier Sites

Private = 28

Municipal = 0

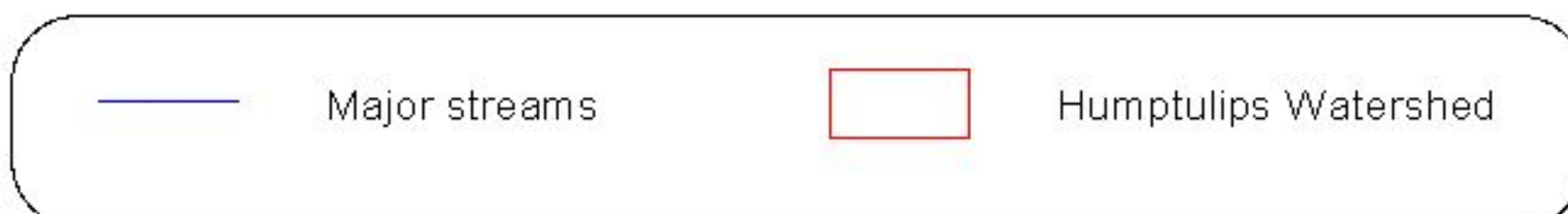
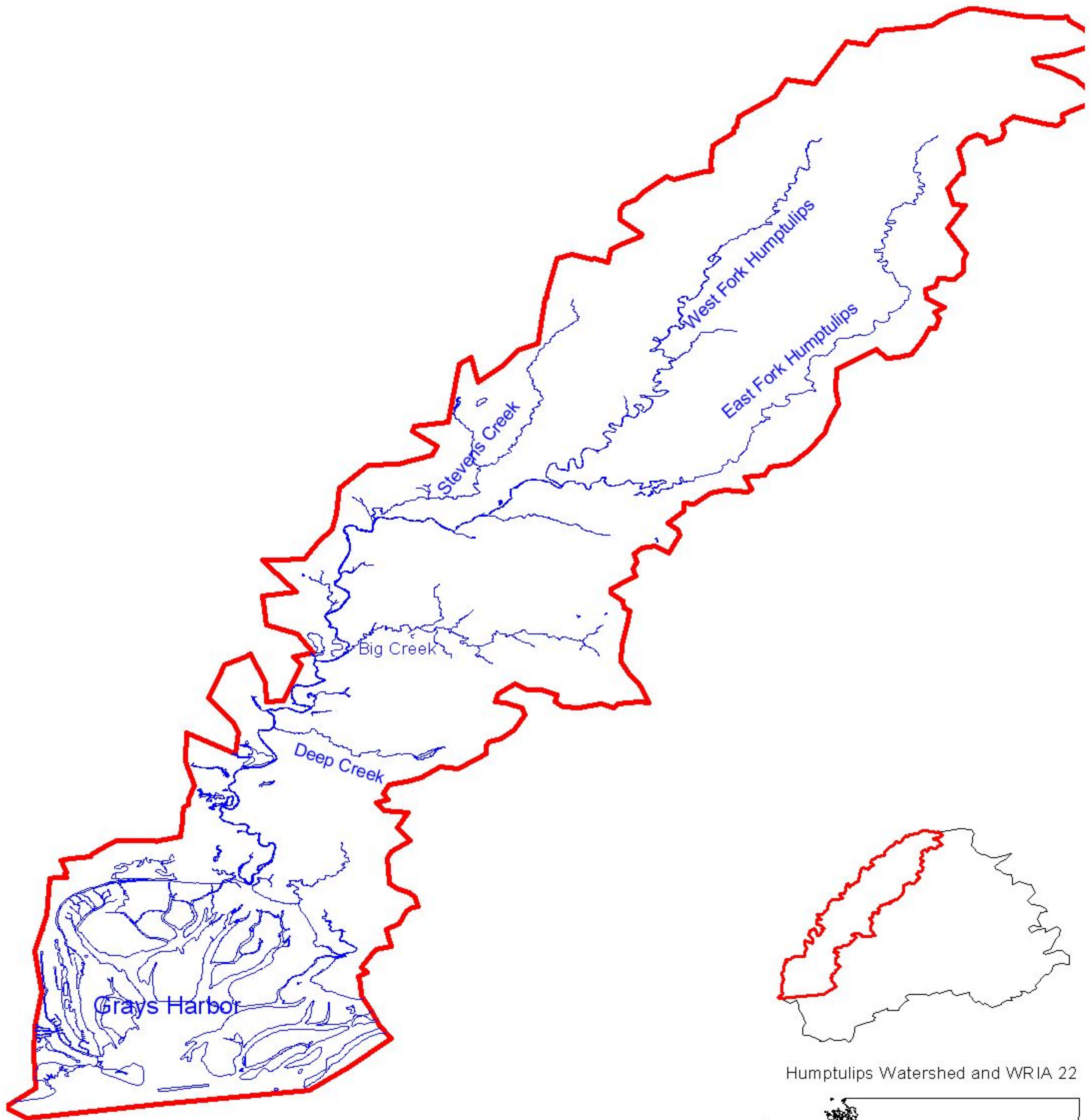
County = 41

State = 2

Federal = 111

Timber Companies = 189

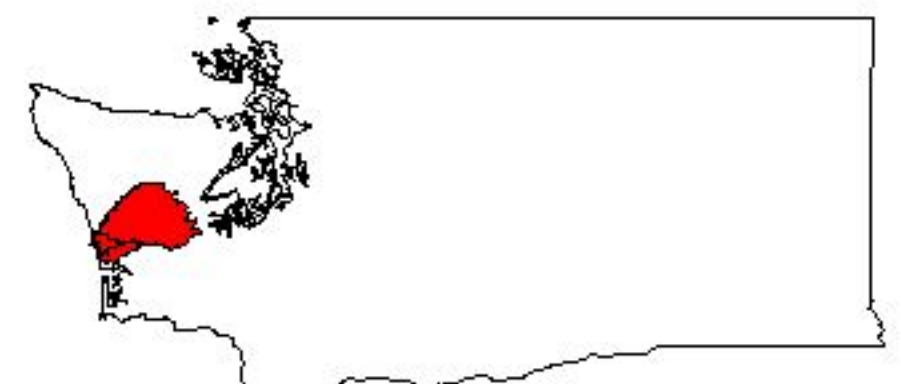
Humptulips Watershed



Map by: Gavin Glore, Mason Conservation District



Humptulips Watershed and WRIA 22



WRIA 22 and Washington State

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0001

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Chenois Cr Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	23
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.03257
Longitude:	-124.02401
WA state plane south (NAD 27, feet)	
East:	1,121,836
North:	639,344

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the SR 109/Chenois Cr Rd.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

Site Comments:

Culvert has tidal gate, which was closed at fairly high tide at time of survey. Upstream appears canalized, possibly excavated.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/23/2003
Field Crew:	Tschaefsk/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.67
Span/Toe Ratio	0.66

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.44
Rise (m)	0.46
Length (m)	14.99
Slope (%)	0.58
Bed Material	No
Outfall Drop (m)	0.27
WDIC (m)	0.01
Apron	DS
Fill Depth (m)	0.70
Tidegate	Yes

Culvert Comments:

Site has an apron directly below the outfall of the culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0002

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Powell Rd
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04955
Longitude: -124.03836
WA state plane south (NAD 27, feet)
East: 1,118,538
North: 645,690

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gillis Sl 22.0131
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.25 miles north of the SR 109/Powell Rd junction.

Site Comments:

Additional culvert directly downstream of site.
Wetland habitat upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/23/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.23
OHW (m): 0.17
Max Depth (m): 1.80

CHANNEL DESCRIPTION

Toe Width (m): 0.73
Span/Toe Ratio: 0.63

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.48
Length (m): 43.11
Slope (%): 1.09
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.28
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:

Wire on upstream end of culvert. Toe width measurement taken downstream of additional culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0003

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Abandoned grade
County:	Grays Harbor
1/4 Section:	NW
Section:	15
Township:	18N
Range:	11W

WATERBODY

Stream:	unnamed
Tributary To:	Gillis Sl 22.0131
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Grays Harbor Audubon Society
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04936
Longitude:	-124.03834
WA state plane south (NAD 27, feet)	
East:	1,118,540
North:	645,619

Location / Directions:

Water crossing is located on abandoned grade paralleling Powell Rd, approximately 0.25 miles northeast of the SR 109/Powell Rd junction.

Site Comments:

Culvert flows under abandoned grade.

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☐ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/23/2003
Field Crew:	Tschaefsk/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.85
OHW (m)	1.98
Max Depth (m)	0.07

CHANNEL DESCRIPTION

Toe Width (m)	0.73
Span/Toe Ratio	1.11

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.81
Rise (m)	0.79
Length (m)	11.27
Slope (%)	1.12
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert is half filled with substrate downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0004

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Powell Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	15
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05380
Longitude:	-124.03751
WA state plane south (NAD 27, feet)	
East:	1,118,819
North:	647,227

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Gillis Sl 22.0131
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.55 miles north of the Powell Rd/SR 109 junction.

Site Comments:

Wetland habitat upstream and downstream, with some beaver influence.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/23/2003
Field Crew:	Tschaefsky/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.58
Length (m)	23.24
Slope (%)	0.60
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.58
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0005

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Powell Rd
County: Grays Harbor
1/4 Section: NW
Section: 10
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06440
Longitude: -124.03645
WA state plane south (NAD 27, feet)
East: 1,119,255
North: 651,077

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Burg SI 22.0006
WRIA: 22.0007
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 50 meters south of the Robertson Rd/Powell Rd junction.

Site Comments:

Sacks of concrete with rebar act as downstream control.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/23/2003
Field Crew: Tschaefsky/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 7.69
OHW (m): 0.45
Max Depth (m): 5.80

CHANNEL DESCRIPTION

Toe Width (m): 3.16
Span/Toe Ratio: 1.11

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 3.52
Rise (m): 2.41
Length (m): 32.76
Slope (%): -0.54
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.19
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert is slope inversely. Downstream control cross section elevations taken from substrate on upstream side of placed concrete bags.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0006

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Ocean Beach Rd
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06642
Longitude: -124.02254
WA state plane south (NAD 27, feet)
East: 1,122,752
North: 651,659

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0007
WRIA: 22.0009
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles east of the Powell Rd/Ocean Beach Rd junction.

Site Comments:

Seasonally wet area along stream, semi wetland.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/23/2003
Field Crew: Tschaefske/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.52
OHW (m): 0.68
Max Depth (m): 2.39

CHANNEL DESCRIPTION

Toe Width (m): 1.16
Span/Toe Ratio: 0.78

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: BOX
Material: PCC
Span (m): 0.91
Rise (m): 0.91
Length (m): 15.18
Slope (%): -1.58
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.66
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0007

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5260.1
County:	Grays Harbor
1/4 Section:	NW
Section:	11
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06771
Longitude:	-124.01802
WA state plane south (NAD 27, feet)	
East:	1,123,899
North:	652,079

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0007
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located on unnamed northbound Rayonier Rd approximately 0.1 miles west of the 5260/Ocean Beach Rd junction. Approximately 125 meters north of

Site Comments:

Survey stake at site (5260.1, #6382, 0.118).

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Rayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/23/2003
Field Crew:	Tschaefsk/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.69
OHW (m)	0.29
Max Depth (m)	2.12

CHANNEL DESCRIPTION

Toe Width (m)	0.92
Span/Toe Ratio	0.96

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.88
Rise (m)	0.92
Length (m)	9.00
Slope (%)	0.07
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:

Substrate through culvert consists of fine material.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0008

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Ocean Beach Rd
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06541
Longitude: -124.01473
WA state plane south (NAD 27, feet)
East: 1,124,680
North: 651,204

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0007
WRIA: 22.0010
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile east of the Powell Rd/Ocean Beach Rd junction.

Site Comments:

Large side channel on left bank. Stream is comprised of clay substrate.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/23/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.85
Span/Toe Ratio: 0.49

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: ARCH
Material: PCC
Span (m): 0.91
Rise (m): 1.00
Length (m): 20.02
Slope (%): 1.33
Bed Material: No
Outfall Drop (m): 0.09
WDIC (m): 0.01
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Upstream end is made of CST.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0009

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Chenois Valley Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05744
Longitude:	-124.00391
WA state plane south (NAD 27, feet)	
East:	1,127,246
North:	648,180

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles east of the Western Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

Perennial vegetation present throughout stream channel, OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/23/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0010

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Chenois Valley Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05521
Longitude: -124.00113
WA state plane south (NAD 27, feet)
East: 1,127,902
North: 647,338

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Chenois Cr
Tributary To: Grays Harbor
WRIA: 22.0132
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.45 miles west of the Eastern Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/23/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LB
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 3.38
Span/Toe Ratio: 0.56

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: SQSH
Material: CST
Span (m): 1.88
Rise (m): 1.09
Length (m): 16.90
Slope (%): 0.22
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert 1.2 is on left bank. No plunge pool measurement, riffle at downstream end. Cobble to be used as substrate for level B analysis.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0010

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.76
Rise (m)	1.21
Length (m)	16.91
Slope (%)	0.04
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank side of stream. No plunge pool, riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0011

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Chenois Valley Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05484
Longitude: -123.99885
WA state plane south (NAD 27, feet)
East: 1,128,462
North: 647,178

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0133
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.30 miles west of the Eastern Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/23/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 2.96
Span/Toe Ratio: 0.60

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.77
Rise (m): 1.11
Length (m): 16.83
Slope (%): 0.53
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No plunge pool measurements, riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0012

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Chenois Valley Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	18N
Range:	11W

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Grays Harbor
Type:	County

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05462
Longitude:	-123.99655
WA state plane south (NAD 27, feet)	
East:	1,129,032
North:	647,072

Location / Directions:

Water crossing is approximately 0.20 miles west of the Eastern Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

Scattered residential houses along stream.

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☐ Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/23/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.63
OHW (m)	1.14
Max Depth (m)	0.31

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.83

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.58
Rise (m)	0.58
Length (m)	8.35
Slope (%)	2.66
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.34
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Bed material found within culvert consists of fine sediment material.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0013

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Lynnwood Ln
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05030
Longitude: -123.98740
WA state plane south (NAD 27, feet)
East: 1,131,240
North: 645,396

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.15 miles south of the Ocean Beach Rd/Lynnwood Ln junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 0.95

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.60
Length (m): 24.42
Slope (%): 5.51
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Outfall of culvert drops onto rip rap, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0014

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Ocean Beach Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05336
Longitude:	-123.98870
WA state plane south (NAD 27, feet)	
East:	1,130,966
North:	646,527

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.15 miles west of the Lynnwood Lane/Ocean Beach Rd junction.

Site Comments:

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity; depth

PLUNGE POOL DESCRIPTION

Length (m)	1.17
OHW (m)	2.00
Max Depth (m)	0.13

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	0.38

POTENTIAL HABITAT GAIN

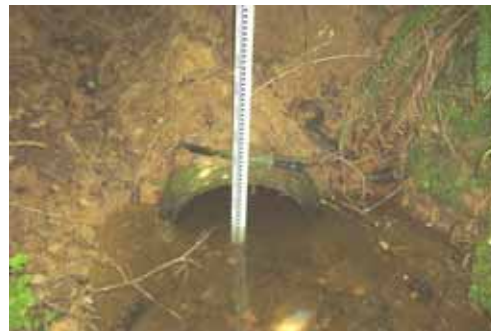
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.60
Rise (m)	0.60
Length (m)	41.28
Slope (%)	1.14
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	10.00
Tidegate	No

Culvert Comments:

Downstream end of culvert is half buried with substrate material. Level B preformed on 2/16/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0015

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Ocean Beach Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05528
Longitude: -123.99384
WA state plane south (NAD 27, feet)
East: 1,129,717
North: 647,283

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr. 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the Eastern Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2003
Field Crew: Tschaefsk/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.39
Rise (m): 0.40
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.38
Apron:
Fill Depth (m): 2.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0016

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Ocean Beach Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05635
Longitude: -123.99629
WA state plane south (NAD 27, feet)
East: 1,129,125
North: 647,701

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0133
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.25 miles northwest of the Eastern Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: velocity

PLUNGE POOL DESCRIPTION

Length (m): 2.44
OHW (m): 2.40
Max Depth (m): 0.54

CHANNEL DESCRIPTION

Toe Width (m): 1.70
Span/Toe Ratio: 0.71

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 1.20
Rise (m): 1.24
Length (m): 22.07
Slope (%): 0.82
Bed Material: No
Outfall Drop (m): 0.07
WDIC (m): 0.11
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Cement bank stabilization downstream on left bank side of site.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0017

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Ocean Beach Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05825
Longitude: -124.00116
WA state plane south (NAD 27, feet)
East: 1,127,942
North: 648,447

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles west of the Eastern Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

Stream dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.17
OHW (m): 1.24
Max Depth (m): 0.02

CHANNEL DESCRIPTION

Toe Width (m): 0.54
Span/Toe Ratio: 1.09

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.59
Rise (m): 0.59
Length (m): 13.08
Slope (%): 3.82
Bed Material: No
Outfall Drop (m): 0.21
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0018

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Ocean Beach Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05941
Longitude: -124.00393
WA state plane south (NAD 27, feet)
East: 1,127,271
North: 648,898

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Chenois Cr
Tributary To: Grays Harbor
WRIA: 22.0132
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.35 miles east of the Western Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

Several juvenile coho observed upstream of culvert. Stream is starting to scour road at upstream end.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 12.20
OHW (m): 9.40
Max Depth (m): 1.80

CHANNEL DESCRIPTION

Toe Width (m): 3.30
Span/Toe Ratio: 0.74

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PCC
Span (m): 1.22
Rise (m): 1.22
Length (m): 20.00
Slope (%): 1.70
Bed Material: No
Outfall Drop (m): 0.38
WDIC (m): 0.11
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0018

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	1.22
Rise (m)	1.22
Length (m)	20.49
Slope (%)	1.78
Bed Material	No
Outfall Drop (m)	0.37
WDIC (m)	0.07
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0019

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Powell Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	15
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04590
Longitude:	-124.03796
WA state plane south (NAD 27, feet)	
East:	1,118,578
North:	644,355

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Gillis Sl 22.0131
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located 10 meters northeast of the SR 109/Powell Rd junction.

Site Comments:

Wetlands upstream and downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2003
Field Crew:	Tschaefsk/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	0.44
Rise (m)	0.44
Length (m)	26.53
Slope (%)	1.58
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.43
Apron	No
Fill Depth (m)	1.75
Tidegate	No

Culvert Comments:

No plunge pool or stream width measurements due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0020

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: SR 109
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04655
Longitude: -124.03858
WA state plane south (NAD 27, feet)
East: 1,118,435
North: 644,598

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gillis Sl 22.0131
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters northwest of the SR 109/Powell Rd junction.

Site Comments:

Wetlands upstream and downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2003
Field Crew: Tschaefsk/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.63
Rise (m): 0.66
Length (m): 32.84
Slope (%): 2.05
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.65
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0021

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Burrows Rd
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04198
Longitude: -124.08297
WA state plane south (NAD 27, feet)
East: 1,107,302
North: 643,434

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grays Harbor
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles west of the Burrows Rd./ Hogan Rd. junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

Site Comments:

Culvert drains extensive cranberry ditches. Stream channel US of culvert is confined with cribbing. Grays Harbor estuary is approximately 40 meters downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/25/2003
Field Crew: Tschaefsky/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 9.19
OHW (m): 4.39
Max Depth (m): 0.69

CHANNEL DESCRIPTION

Toe Width (m): 1.75
Span/Toe Ratio: 0.69

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 1.21
Rise (m): 1.21
Length (m): 14.19
Slope (%): 0.66
Bed Material: No
Outfall Drop (m): 0.09
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.80
Tidegate: Yes

Culvert Comments:

Level B not applicable due to tidal influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0022

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04205
Longitude: -124.08273
WA state plane south (NAD 27, feet)
East: 1,107,364
North: 643,457

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grays Harbor
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive at the junction with Burrows Rd. Approximately 0.40 miles west of the Burrows Rd./ Hogan Rd. junction.

Site Comments:

Drainage ditch for cranberry fields.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: James R & Donald Stullick
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/25/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.84
Rise (m): 0.83
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron:
Fill Depth (m): 0.75
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0023

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04199
Longitude: -124.08213
WA state plane south (NAD 27, feet)
East: 1,107,512
North: 643,427

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grays Harbor
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive at junction with Burrows Rd, approximately 0.40 miles west of the Burrows Rd/Hogan Rd. junction.

Site Comments:

Drainage ditch for cranberry fields.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: James R & Donald Stullick
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/25/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.78
Rise (m): 0.71
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron:
Fill Depth (m): 0.75
Tidegate:

Culvert Comments:

Road drainage for cranberry fields.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0024

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	17
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04194
Longitude:	-124.08167
WA state plane south (NAD 27, feet)	
East:	1,107,626
North:	643,404

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grays Harbor
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive at junction with Burrows Rd, approximately 0.38 miles west of the Burrows Rd/Hogan Rd junction.

Site Comments:

Drainage ditch for cranberry fields.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Marvin & Marilyn Reiner Trust
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

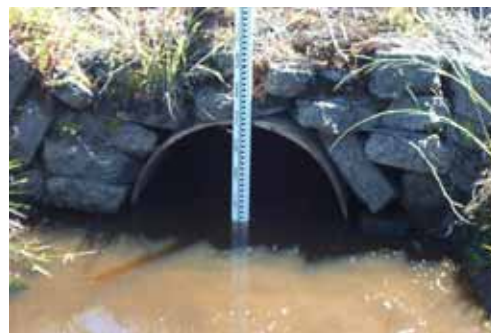
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.73
Rise (m)	0.79
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	
Fill Depth (m)	0.75
Tidegate	

Culvert Comments:

Drainage ditch for cranberry fields.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0025

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	17
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04191
Longitude:	-124.08121
WA state plane south (NAD 27, feet)	
East:	1,107,741
North:	643,389

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grays Harbor
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive at junction with Burrows Rd, approximately 0.35 miles west of the Burrows Rd/Hogan Rd junction.

Site Comments:

Drainage ditch for cranberry fields.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Marvin & Marilyn Reiner Trust
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.59
Rise (m)	0.59
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.06
WDIC (m)	
Apron	
Fill Depth (m)	1.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0026

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	17
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04172
Longitude:	-124.07981
WA state plane south (NAD 27, feet)	
East:	1,108,087
North:	643,303

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grays Harbor
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive at junction with Burrows Rd, approximately 0.30 miles west of the Burrows Rd/Hogan Rd junction.

Site Comments:

Drainage ditch for cranberry fields.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Marvin & Marilyn Reiner Trust
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.85
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	1.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0027

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	17
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04212
Longitude:	-124.08345
WA state plane south (NAD 27, feet)	
East:	1,107,186
North:	643,490

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grays Harbor
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive at junction with Burrows Rd, approximately 0.45 miles west of the Burrows Rd/Hogan Rd junction.

Site Comments:

Drainage ditch for cranberry fields.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	James R & Donald Stullick
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefske/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.20
Rise (m)	1.20
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	0.02
Apron	
Fill Depth (m)	0.50
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0028

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Alpine Ln
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05735
Longitude: -124.10660
WA state plane south (NAD 27, feet)
East: 1,101,674
North: 649,302

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grays Harbor
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters east of the Alpine Ln/Bayview Ln junction.

Site Comments:

Downstream is moderately steep. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/25/2003
Field Crew: Tschaefsky/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.65
Rise (m): 0.56
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m): 0.04
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0029

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	7
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06243
Longitude:	-124.10474
WA state plane south (NAD 27, feet)	
East:	1,102,221
North:	651,130

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grays Harbor
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles northeast of the Private Rd/Alpine Rd junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Fruit Growers Supply Co
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.12
WDIC (m)	0.02
Apron	
Fill Depth (m)	1.50
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0030

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	7
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06251
Longitude:	-124.10348
WA state plane south (NAD 27, feet)	
East:	1,102,537
North:	651,147

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grays Harbor
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles northeast of the Private Rd/Alpine Rd junction.

Site Comments:

Possible gradient barrier downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Fruit Growers Supply Co
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefsk/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.62
Span/Toe Ratio	0.97

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.60
Length (m)	12.11
Slope (%)	2.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.30
Tidegate	No

Culvert Comments:

No plunge pool, riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0031

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	7
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05774
Longitude:	-124.10187
WA state plane south (NAD 27, feet)	
East:	1,102,858
North:	649,391

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grays Harbor
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the SR 109/Fruit Growers Supply Co Rd junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Fruit Growers Supply Co
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	0.03
Apron	
Fill Depth (m)	3.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0032

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4010
County: Grays Harbor
1/4 Section: SE
Section: 8
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05730
Longitude: -124.06925
WA state plane south (NAD 27, feet)
East: 1,110,973
North: 648,861

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Campbell SI 22.0003
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 150 meters north of the SR 109/4010 junction.

Site Comments:

Wetland plants downstream of culvert. No defined channel; dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/25/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

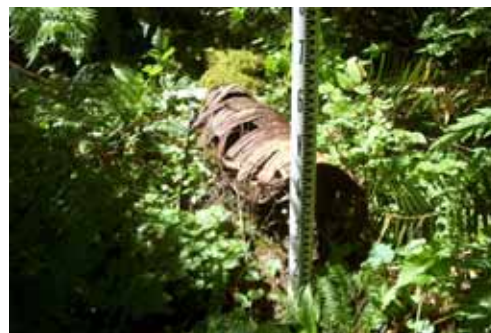
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.20
Rise (m): 0.20
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:

Downstream end of culvert is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0033

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4010
County:	Grays Harbor
1/4 Section:	SE
Section:	8
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05970
Longitude:	-124.07000
WA state plane south (NAD 27, feet)	
East:	1,110,825
North:	649,743

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Campbell Sl 22.0003
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the SR 109/4010 junction.

Site Comments:

Stream dry at time of sample. Wetland plants present at site.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Tschaefsk/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	
Fill Depth (m)	2.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0034

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4010
County: Grays Harbor
1/4 Section: SE
Section: 8
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06217
Longitude: -124.07073
WA state plane south (NAD 27, feet)
East: 1,110,686
North: 650,650

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Campbell SI 22.0003
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.45 miles north of the SR 109/4010 junction.

Site Comments:

Survey stake (4010, #8021, 0.432) at site. Culvert recently replaced.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/11/2005
Field Crew: Glore/Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.85
OHW (m): 4.20
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.35
Span/Toe Ratio: 1.15

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.55
Rise (m): 1.55
Length (m): 15.16
Slope (%): 0.46
Bed Material: Unk
Outfall Drop (m): 0.00
WDIC (m): 0.45
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert is to new to have recruited streambed throughout, resample at later date before performing level B survey.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0035

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4010
County: Grays Harbor
1/4 Section: NE
Section: 8
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06732
Longitude: -124.07423
WA state plane south (NAD 27, feet)
East: 1,109,898
North: 652,566

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Campbell SI 22.0003
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles north of the SR 109/4010 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Wetlands upstream and downstream of culvert.
Stream channel undefined. Unable to obtain stream width measurement.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/25/2003
Field Crew: Tschaefske/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.61
Rise (m): 0.61
Length (m): 8.88
Slope (%): 0.23
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0036

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4010
County: Grays Harbor
1/4 Section: NE
Section: 8
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06947
Longitude: -124.07429
WA state plane south (NAD 27, feet)
East: 1,109,919
North: 653,349

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Campbell Sl 22.0003
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the SR 109/4010 junction.

Site Comments:

Wetland plants around culvert with no defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/25/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.40
Rise (m): 0.40
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:

Downstream end of culvert is rusted out on the bottom.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0037

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4010
County:	Grays Harbor
1/4 Section:	SE
Section:	5
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.07385
Longitude:	-124.07466
WA state plane south (NAD 27, feet)	
East:	1,109,899
North:	654,952

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Campbell SI 22.0003
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.30 miles north of the SR 109/4010 junction.

Site Comments:

Survey stake (4010, #8025, 1.305) at site. Recently replaced culvert. Abundant LWD in stream channel.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/25/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.82
Span/Toe Ratio	0.74

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	9.28
Slope (%)	0.25
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

No plunge pool measurement, riffle at downstream end of culvert. Newly replaced culvert has not had time to recruit substrate throughout. Recheck substrate before performing level B survey.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0038

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4010
County: Grays Harbor
1/4 Section: NE
Section: 5
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07963
Longitude: -124.07845
WA state plane south (NAD 27, feet)
East: 1,109,052
North: 657,101

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles north of the SR 109/4010 junction.

Site Comments:

Wetland upstream of culvert that forks to two sides.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/26/2003
Field Crew: Tschaefske/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.30
OHW (m): 1.10
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.68
Span/Toe Ratio: 0.90

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.71
Rise (m): 0.75
Length (m): 9.36
Slope (%): 7.05
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.90
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out on the bottom. Culvert 1.2 is on top of culvert 2.2.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0038

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	13.60
Slope (%)	1.40
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.41
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Upstream end of culvert is rusted out and plugged with debris. Downstream end is rusted out on its sides.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0039

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4010.010
County:	Grays Harbor
1/4 Section:	SW
Section:	32
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08293
Longitude:	-124.08131
WA state plane south (NAD 27, feet)	
East:	1,108,394
North:	658,334

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the 4010/4010.010 junction.

Site Comments:

Undefined stream system, seasonal wetland.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/26/2003
Field Crew:	Tschaefsk/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.41
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	
Fill Depth (m)	0.70
Tidegate	

Culvert Comments:

Downstream end of culvert is buried.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0040

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4010.010
County: Grays Harbor
1/4 Section: SW
Section: 32
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08279
Longitude: -124.08055
WA state plane south (NAD 27, feet)
East: 1,108,581
North: 658,275

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of the 4010/4010.010 junction.

Site Comments:

OHW < 0.6 meters. Dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/26/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.42
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.60
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0041

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4010.010
County:	Grays Harbor
1/4 Section:	NW
Section:	5
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08224
Longitude:	-124.07873
WA state plane south (NAD 27, feet)	
East:	1,109,024
North:	658,053

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 4010/4010.010 junction.

Site Comments:

Vegetation growing throughout stream channel. OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/26/2003
Field Crew:	Tschaefsk/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.44
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	
Fill Depth (m)	0.75
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0042

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4009.11
County: Grays Harbor
1/4 Section: NE
Section: 8
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06899
Longitude: -124.07215
WA state plane south (NAD 27, feet)
East: 1,110,445
North: 653,153

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Campbell Sl 22.0003
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 4009.11/4010 junction.

Site Comments:

Perennial vegetation growing in dry stream channel. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/26/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

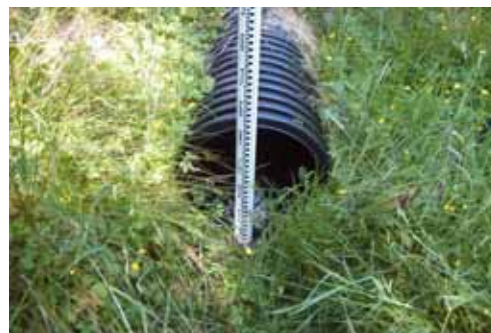
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.04
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.60
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0043

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4009.11
County: Grays Harbor
1/4 Section: NE
Section: 8
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06961
Longitude: -124.06982
WA state plane south (NAD 27, feet)
East: 1,111,034
North: 653,351

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Campbell Sl
Tributary To: Grays Harbor
WRIA: 22.0003
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 4009.11/4010 junction.

Site Comments:

Survey stake (4009.11, #6390, 0.20) Seasonal wetland area with beaver activity upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/26/2003
Field Crew: Glore /Blatt/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.81
OHW (m): 1.24
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.44
Rise (m): 0.46
Length (m): 8.88
Slope (%): 1.13
Bed Material: No
Outfall Drop (m): 0.26
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No stream width measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0044

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: SR 109
County: Grays Harbor
1/4 Section: SE
Section: 9
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05672
Longitude: -124.05122
WA state plane south (NAD 27, feet)
East: 1,115,452
North: 648,447

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Jessie Sl 22.0005
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the Orton Ln/SR 109 junction.

Site Comments:

Site is tidily influenced.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/26/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 10.40
OHW (m): 9.50
Max Depth (m): 0.72

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 0.55

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.60
Rise (m): 0.60
Length (m): 26.67
Slope (%): 0.01
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

DS end of culvert broken in pieces, lying in plunge pool. Level B not applicable due to tidal influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0045

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	4
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08115
Longitude:	-124.05431
WA state plane south (NAD 27, feet)	
East:	1,115,085
North:	657,383

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Burg Sl
Tributary To:	Humptulips R 22.0004
WRIA:	22.0006
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters east of the Southern Robertson School Rd, on private access road for Cottonwood Ranch.

Site Comments:

Livestock pasture surrounding the stream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Cottonwood Ranch
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/30/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.37
OHW (m)	5.42
Max Depth (m)	0.37

CHANNEL DESCRIPTION

Toe Width (m)	2.45
Span/Toe Ratio	1.10

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.3
Shape	RND
Material	PCC
Span (m)	0.90
Rise (m)	0.90
Length (m)	9.55
Slope (%)	-1.88
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Pipe 1.3 is located on left bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0045

Fish Use: Yes

PI:

Barrier: Unk

CULVERT DESCRIPTION

Sequencer:	2.3
Shape	RND
Material	PCC
Span (m)	0.90
Rise (m)	0.89
Length (m)	9.60
Slope (%)	-0.94
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.27
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is center pipe. Level B not applicable due to lack of downstream control.



CULVERT DESCRIPTION

Sequencer:	3.3
Shape	RND
Material	PCC
Span (m)	0.90
Rise (m)	0.93
Length (m)	9.49
Slope (%)	-2.00
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert 3.3 is on right bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0046

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Kirkpatrick Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	28
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11374
Longitude:	-124.06146
WA state plane south (NAD 27, feet)	
East:	1,113,843
North:	669,337

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.55 miles northeast of the Ocean Beach Rd/Kirkpatrick Rd junction.

Site Comments:

Upstream of culvert is a seasonal wetland. Beaver dam 2 meters downstream of culvert. Rebar grate placed at upstream end.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/30/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.80
OHW (m)	2.40
Max Depth (m)	0.00

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.64

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	16.54
Slope (%)	1.25
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Tributary dry at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0047

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Kirkpatrick Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	28
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11095
Longitude:	-124.06507
WA state plane south (NAD 27, feet)	
East:	1,112,898
North:	668,359

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.30 miles northeast of the Ocean Beach Rd/Kirkpatrick Rd junction.

Site Comments:

Seasonal wetlands upstream and downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/30/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.69
OHW (m)	1.45
Max Depth (m)	0.00

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	16.57
Slope (%)	1.09
Bed Material	No
Outfall Drop (m)	0.06
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Seasonal wetland upstream and downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0048

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: NE
Section: 21
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12320
Longitude: -124.04898
WA state plane south (NAD 27, feet)
East: 1,117,102
North: 672,643

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles northeast of the Ocean Beach Rd/Kirkpatrick Rd junction.

Site Comments:

Stream channel dry at time of sample. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/30/2003
Field Crew: Glore/Blatt/Lutz
Barrier:
Passability (%): 67
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.70
OHW (m): 2.03
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m): 0.33
Span/Toe Ratio: 1.85

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m): 16.70
Slope (%): 1.98
Bed Material: No
Outfall Drop (m): 0.17
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Site first sampled as unknown, revisited and determined to be non-fish barring due to physical parameters. Root wad at end of plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0049

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13114
Longitude: -124.04245
WA state plane south (NAD 27, feet)
East: 1,118,854
North: 675,462

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Damon Cr
Tributary To: Humptulips R 22.0004
WRIA: 22.0033
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.05 miles northeast of the Ocean Beach Rd/Kirkpatrick Rd junction.

Site Comments:

Flows directly into the Humptulips River.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/30/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 3.50
Span/Toe Ratio: 0.58

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 2.04
Rise (m): 1.58
Length (m): 28.77
Slope (%): -0.01
Bed Material: No
Outfall Drop (m): 0.06
WDIC (m): 0.23
Apron: No
Fill Depth (m): 5.50
Tidegate: No

Culvert Comments:

Confluence with the Humptulips directly downstream, level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0050

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:
County:
1/4 Section:
Section:
Township:
Range:

POSITIONAL DATA

WGS 84, decimal degrees
Latitude:
Longitude:
WA state plane south (NAD 27, feet)
East:
North:

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream:
Tributary To:
WRIA:
Fish Use:
FUP Criteria:

Location / Directions:

Water crossing is approximately 0.10 miles east of Kirkpatrick Rd @ 344 Kirkpatrick Rd. (Camp Bethel Spruce Lodge)

Site Comments:

Stream channel dry at time of survey.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name:
Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method:
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape:
Material:
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material:
Outfall Drop (m)
WDIC (m)
Apron:
Fill Depth (m)
Tidegate:

Culvert Comments:

Level B not applicable, stream dry at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0051

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Kirkpatrick Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	3
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15860
Longitude:	-124.02751
WA state plane south (NAD 27, feet)	
East:	1,123,017
North:	685,303

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0040
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.80 miles southeast of the Kirkpatrick Rd/Carlisle Rd junction.

Site Comments:

No well defined stream channel. Stream channel dry at time of sample..

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/1/2003
Field Crew:	Tschaefsk/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.60
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	
Fill Depth (m)	1.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0052

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16732
Longitude: -124.02269
WA state plane south (NAD 27, feet)
East: 1,124,358
North: 688,426

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0041
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.15 miles south of the Carlisle Rd/Kirkpatrick Rd junction.

Site Comments:

Stream channel is dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 13.20
OHW (m): 4.59
Max Depth (m): 1.07

CHANNEL DESCRIPTION

Toe Width (m): 1.70
Span/Toe Ratio: 0.79

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.34
Rise (m): 1.34
Length (m): 29.22
Slope (%): 1.43
Bed Material: No
Outfall Drop (m): 0.08
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Cedar logs stabilizing the bank on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0053

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Carlisle Rd
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16890
Longitude: -124.02323
WA state plane south (NAD 27, feet)
East: 1,124,250
North: 689,007

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0041
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 50 meters west of the Carlisle Rd/Kirkpatrick Rd junction.

Site Comments:

Upstream of culvert is a rock quarry. Channel dry at time of sample. Culverts look to be recently replaced.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.70
Span/Toe Ratio: 1.34

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.40
Rise (m): 1.51
Length (m): 11.72
Slope (%): 2.84
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 1.2 is on left bank. No plunge pool downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0053

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CAL
Span (m)	0.88
Rise (m)	0.87
Length (m)	11.93
Slope (%)	2.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0054

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: NW
Section: 35
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18336
Longitude: -124.02120
WA state plane south (NAD 27, feet)
East: 1,124,989
North: 694,254

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0062
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile north of the Kirkpatrick Rd/Carlisle Rd junction.

Site Comments:

Stream channel is dry at time of survey.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Tschaeffs/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 9.10
OHW (m): 3.84
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 1.59
Span/Toe Ratio: 1.26

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.01
Rise (m): 1.94
Length (m): 18.25
Slope (%): 0.64
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.20
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Some streambed settling between corrugation, but has not recruited throughout. Level B completed on 2/03/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0055

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: NW
Section: 35
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18424
Longitude: -124.02134
WA state plane south (NAD 27, feet)
East: 1,124,969
North: 694,576

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0062
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.40 miles north of the McCoy Rd/Kirkpatrick Rd junction.

Site Comments:

Stream channel dry at time of sample.
Additional culvert 50 meters downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.05
Span/Toe Ratio: 0.94

POTENTIAL HABITAT GAIN

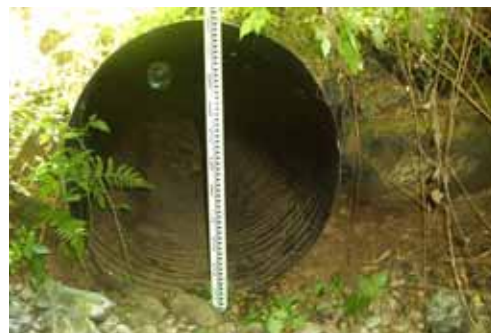
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.99
Rise (m): 1.09
Length (m): 19.77
Slope (%): 0.39
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Level B not applicable, stream dry at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0056

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: NW
Section: 35
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18693
Longitude: -124.02106
WA state plane south (NAD 27, feet)
East: 1,125,083
North: 695,552

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0062
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.65 miles north of the McCoy Rd/Kirkpatrick Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

Length (m): 6.27
OHW (m): 2.12
Max Depth (m): 0.62

CHANNEL DESCRIPTION

Toe Width (m): 1.13
Span/Toe Ratio: 0.81

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m): 17.30
Slope (%): 0.33
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Level B completed on 2/16/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0057

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:
County:
1/4 Section:
Section:
Township:
Range:

POSITIONAL DATA

WGS 84, decimal degrees
Latitude:
Longitude:
WA state plane south (NAD 27, feet)
East:
North:

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream:
Tributary To:
WRIA:
Fish Use:
FUP Criteria:

Location / Directions:

Water crossing is approximately 0.25 miles east of the Kirkpatrick Rd/Moody Rd junction.

Site Comments:

Abandoned 3rd culvert at site with downstream end not visible.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name:
Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape:
Material:
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material:
Outfall Drop (m)
WDIC (m)
Apron:
Fill Depth (m)
Tidegate:

Culvert Comments:

Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0057

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.18
Rise (m)	1.25
Length (m)	24.14
Slope (%)	1.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Log is stuck in downstream end of culvert which is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0058

Fish Use: No

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20042
Longitude: -124.01906
WA state plane south (NAD 27, feet)
East: 1,125,797
North: 700,444

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Mapped

Location / Directions:

Water crossing is on the south side of the Moody Rd/Kirkpatrick Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

Site Comments:

Natural point barrier 20 meters downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/7/2003
Field Crew: Glore/Blatt/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.80
OHW (m): 2.90
Max Depth (m): 0.52

CHANNEL DESCRIPTION

Toe Width (m): 1.00
Span/Toe Ratio: 1.21

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 1.21
Rise (m): 1.22
Length (m): 26.47
Slope (%): 0.00
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.36
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert has beveled both ends. Substrate consists of clay hardpan.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0059

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Kirkpatrick Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	20N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23447
Longitude:	-124.00437
WA state plane south (NAD 27, feet)	
East:	1,129,998
North:	712,690

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 mile east of the Humptulips Hatchery Dr/Kirkpatrick Rd junction.

Site Comments:

Stream channel dry at time of sample. Source of stream is seasonal wetland 20 meters upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/1/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	5.56
OHW (m)	1.66
Max Depth (m)	0.64

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.65

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.62
Rise (m)	0.65
Length (m)	14.32
Slope (%)	0.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Additional culvert 10 meters upstream. Level B not applicable, stream dry at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0060

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	20N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23469
Longitude:	-124.00431
WA state plane south (NAD 27, feet)	
East:	1,130,016
North:	712,769

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing on private road located 1.0 mile east of the Humptulips Hatchery, 20 meters from Kirkpatrick Rd junction. US of site 127H0059.

Site Comments:

Stream channel dry at time of sample.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Ron J Howard
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/1/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	1.12

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.44
Length (m)	9.03
Slope (%)	-0.37
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert 1.2 is on left bank. Upstream end of culvert is CST, DS end of culvert is PVC. Culvert 2.2 fails for slope, causing entire site to fail.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0060

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.59
Length (m)	10.50
Slope (%)	1.94
Bed Material	No
Outfall Drop (m)	0.04
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0061

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kirkpatrick Rd
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23496
Longitude: -123.99017
WA state plane south (NAD 27, feet)
East: 1,133,531
North: 712,713

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Hatchery Cr
Tributary To: Humptulips R 22.0004
WRIA: 22.0065
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.15 miles east of the Humptulips Hatchery Dr/Kirkpatrick Rd junction.

Site Comments:

Numerous adult coho spawning throughout system on 11/09/04.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: velocity

PLUNGE POOL DESCRIPTION

Length (m): 7.90
OHW (m): 5.26
Max Depth (m): 0.58

CHANNEL DESCRIPTION

Toe Width (m): 2.30
Span/Toe Ratio: 0.84

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.94
Rise (m): 2.03
Length (m): 30.78
Slope (%): 0.43
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Rip rap at downstream end of culvert. Level B completed on 2/04/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0062

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Copalis Beach Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	20
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11562
Longitude:	-124.08793
WA state plane south (NAD 27, feet)	
East:	1,107,290
North:	670,320

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0015
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the Copalis Beach Rd/Ocean Beach Rd junction.

Site Comments:

Wetland habitat upstream and downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/2/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	10.98
Slope (%)	-0.30
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0063

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Ocean Beach Rd
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11145
Longitude: -124.07692
WA state plane south (NAD 27, feet)
East: 1,109,959
North: 668,674

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0015
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles southeast of the Copalis Beach Rd/Ocean Beach Rd junction.

Site Comments:

Stream channel dry. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/2/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.22
Rise (m): 0.71
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:

Wetland habitat approximately 15 meters downstream of culvert. Mostly road drainage.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0064

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	East Humptulips Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	17
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22280
Longitude:	-123.96213
WA state plane south (NAD 27, feet)	
East:	1,140,294
North:	707,973

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles east of the E Huptulips Rd/US 101 junction.

Site Comments:

OHW < 0.6 meters. Upstream of culvert is a road drainage.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/2/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.02
WDIC (m)	0.00
Apron	
Fill Depth (m)	0.70
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0065

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	East Humptulips Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	17
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22342
Longitude:	-123.94073
WA state plane south (NAD 27, feet)	
East:	1,145,617
North:	707,969

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0075
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 1.60 miles east of the US 101/East Humptulips Rd junction.

Site Comments:

Stream channel dry at time of sample.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/2/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	11.70
OHW (m)	4.50
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	1.37
Span/Toe Ratio	0.87

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.19
Rise (m)	1.22
Length (m)	11.78
Slope (%)	1.04
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Road eroding away at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0066

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	East Humptulips Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	10
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23839
Longitude:	-123.91426
WA state plane south (NAD 27, feet)	
East:	1,152,423
North:	713,137

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Brittain Cr 22.0079
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the Brittain Creek bridge.

Site Comments:

Stream channel dry at time of sample. OHW > 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/2/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.05
OHW (m)	2.46
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.62
Span/Toe Ratio	0.73

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	26.40
Slope (%)	3.21
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.00
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Rip rap at downstream end of the culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0067

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: SW
Section: 2
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24248
Longitude: -123.90301
WA state plane south (NAD 27, feet)
East: 1,155,281
North: 714,506

EVALUATION LEVEL COMPLETED

- ☒ Report Logged
☐ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located 0.15 miles north of the 3000 line on first spur road east of Tuffee Rd.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/2/2003
Field Crew: Tschaefsk/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.28
Rise (m): 0.28
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.31
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0068

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: East Humptulips Rd
County: Grays Harbor
1/4 Section: SE
Section: 17
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22093
Longitude: -123.94255
WA state plane south (NAD 27, feet)
East: 1,145,125
North: 707,080

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0075
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles east of the US 101/E Humptulips Rd junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/2/2003
Field Crew: Tschaefsky/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron:
Fill Depth (m): 3.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0069

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3000
County: Grays Harbor
1/4 Section: SE
Section: 6
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24524
Longitude: -123.84266
WA state plane south (NAD 27, feet)
East: 1,170,299
North: 714,872

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles southwest of the EF Humptulips bridge.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Wetland habitat upstream and downstream. EF Humptulips River in close proximity. Survey stake (3000, #4181, 7.857) at site.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/7/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.37
Length (m): 8.95
Slope (%): 3.79
Bed Material: No
Outfall Drop (m): 0.82
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out. Unable to obtain stream width due to wetlands upstream and downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0070

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	8
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23077
Longitude:	-123.95355
WA state plane south (NAD 27, feet)	
East:	1,142,552
North:	710,786

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humtulsips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is on private road beyond end of 4th St, culvert is approximately 300 meters southeast of the end of 4th St.

Site Comments:

Limited livestock access to stream downstream. Stream flow directly into a larger tributary and then into Humtulsips R, approximately 100 meters downstream. Juvenile coho observed upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/7/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	1.97

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	1.38
Rise (m)	1.25
Length (m)	10.78
Slope (%)	0.09
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Downstream end of culvert is slightly deformed. Second culvert present approximately 20 meters upstream of site.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0071

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	8
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23131
Longitude:	-123.95320
WA state plane south (NAD 27, feet)	
East:	1,142,646
North:	710,980

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 200 meters southwest, beyond the end of 4th St. Site is 20 meters upstream of site 127H0070.

Site Comments:

Juvenile coho observed upstream. Large constructed pond upstream of site.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	David E Milbourn & L Melody
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/7/2003
Field Crew:	Tschaefsky/Lutz
Barrier	Unk
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.05
OHW (m)	2.76
Max Depth (m)	0.36

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	1.27

POTENTIAL HABITAT GAIN

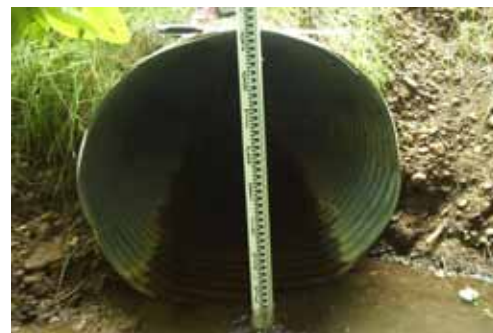
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.89
Rise (m)	0.83
Length (m)	16.53
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Debris screen on upstream end of culvert, with 2 cm X 2 cm holes. Unable to contract land owner for permission to complete level A analysis.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0072

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	8
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23037
Longitude:	-123.95291
WA state plane south (NAD 27, feet)	
East:	1,142,705
North:	710,634

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is on private road beyond the end of 4th St. Culvert is approximately 0.25 miles southeast of end of 4th St.

Site Comments:

Large beaver dam and wetland upstream. Juvenile coho identified in stream channel. Plunge pool ends at confluence with larger tributary.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Wesley E & Rose Newbury
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/7/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.60
Rise (m)	1.22
Length (m)	14.67
Slope (%)	0.88
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.67
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Downstream end of culvert is deformed. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0073

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	McNutt Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24148
Longitude:	-123.92440
WA state plane south (NAD 27, feet)	
East:	1,149,957
North:	714,372

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.10 miles east of the US 101/McNutt Rd junction.

Site Comments:

Stream channel is vegetated throughout. No water present at time of sample.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/7/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	
Fill Depth (m)	0.50
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0074

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Cr Rd
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29651
Longitude: -123.84714
WA state plane south (NAD 27, feet)
East: 1,169,981
North: 733,604

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles northeast of the FS 22/2200.110 junction.

Site Comments:

No well defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/7/2003
Field Crew: Tschaefsk/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.60
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m):
Apron:
Fill Depth (m): 4.00
Tidegate:

Culvert Comments:

Gradient break within culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0075

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Cr Rd
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29559
Longitude: -123.84931
WA state plane south (NAD 27, feet)
East: 1,169,430
North: 733,290

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles northeast of the 7950.01/Donkey Cr Rd junction.

Site Comments:

Stream channel has a series of small cascades downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/7/2003
Field Crew: Tschaefske/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 2.40
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.15
Rise (m): 1.24
Length (m): 39.96
Slope (%): 4.45
Bed Material: No
Outfall Drop (m): 2.32
WDIC (m): 0.03
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:

Outfall is onto rip rap.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0076

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Cr Rd
County: Grays Harbor
1/4 Section: SW
Section: 16
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30405
Longitude: -123.83324
WA state plane south (NAD 27, feet)
East: 1,173,543
North: 736,206

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.50 miles north of the WF Humptulips Bridge.

Site Comments:

Stream flows through a narrow gully downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Tschaefsk/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.05
Span/Toe Ratio: 0.70

POTENTIAL HABITAT GAIN

Survey Type: FS
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.74
Rise (m): 0.74
Length (m): 24.88
Slope (%): 1.83
Bed Material: No
Outfall Drop (m): 1.19
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Outfall is onto cascades, no plunge pool measurement obtainable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0077

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 16
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30757
Longitude: -123.83150
WA state plane south (NAD 27, feet)
East: 1,174,028
North: 737,469

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.8 miles northeast of the FS 22/FS 2200.110 junction.

Site Comments:

Stream channel dry, OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Tschaefsky/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.80
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0078

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Cr Rd
County: Grays Harbor
1/4 Section: NE
Section: 16
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31232
Longitude: -123.82718
WA state plane south (NAD 27, feet)
East: 1,175,174
North: 739,155

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is on Donkey Cr Rd approximately 1.2 miles north of the West Fork Humptulips bridge.

Site Comments:

Cross drainage culverts located approximately 10 meters away.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 1.95
OHW (m): 1.90
Max Depth (m): 0.29

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 0.92

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.61
Length (m): 26.09
Slope (%): 8.29
Bed Material: No
Outfall Drop (m): 0.60
WDIC (m): 0.04
Apron: No
Fill Depth (m): 5.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0079

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Cr Rd
County: Grays Harbor
1/4 Section: NE
Section: 16
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31328
Longitude: -123.82576
WA state plane south (NAD 27, feet)
East: 1,175,539
North: 739,491

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is on Donkey Cr Rd approximately 1.3 miles north of the West Fork Humptulips bridge.

Site Comments:

Stream dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 2.16
OHW (m): 1.35
Max Depth (m): 0.23

CHANNEL DESCRIPTION

Toe Width (m): 0.50
Span/Toe Ratio: 1.20

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.58
Length (m): 45.16
Slope (%): 6.25
Bed Material: No
Outfall Drop (m): 1.61
WDIC (m): 0.00
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0080

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 16
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31519
Longitude: -123.82408
WA state plane south (NAD 27, feet)
East: 1,175,986
North: 740,169

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles southwest of the FS 22/FS 2203 junction.

Site Comments:

Gradient > 20%. Stream channel dry at time of sample..

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Tschaefsky/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

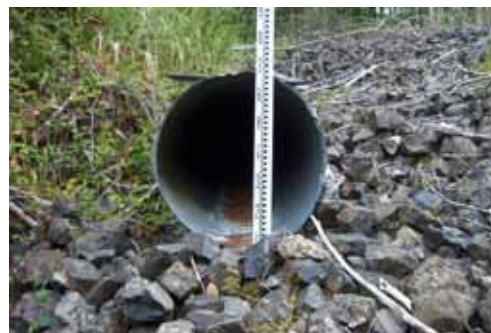
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.59
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0081

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 10
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32767
Longitude: -123.81303
WA state plane south (NAD 27, feet)
East: 1,178,914
North: 744,601

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles southwest of the FS 22/FS 2203 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Tschaefsky/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.45
Rise (m): 1.56
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron:
Fill Depth (m): 8.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0082

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 10
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32789
Longitude: -123.80926
WA state plane south (NAD 27, feet)
East: 1,179,853
North: 744,642

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of the FS 22/FS 2203 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Tschaefske/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.08
Rise (m): 1.05
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron:
Fill Depth (m): 2.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0083

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2203
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32971
Longitude: -123.80679
WA state plane south (NAD 27, feet)
East: 1,180,493
North: 745,279

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters northwest of the FS 22/FS 2203 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/8/2003
Field Crew: Tschaefsky/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.23
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.49
WDIC (m): 0.05
Apron:
Fill Depth (m): 2.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0084

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	2203
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32989
Longitude:	-123.81431
WA state plane south (NAD 27, feet)	
East:	1,178,633
North:	745,424

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Donkey Cr 22.0108
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles west of the FS 22/FS 2203 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/8/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.92
OHW (m)	2.19
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	0.72
Span/Toe Ratio	0.63

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.45
Rise (m)	0.46
Length (m)	21.63
Slope (%)	3.70
Bed Material	No
Outfall Drop (m)	0.48
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0085

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Youmans Rd
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15951
Longitude: -123.86920
WA state plane south (NAD 27, feet)
East: 1,162,379
North: 683,912

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: SF Big Cr
Tributary To: Big Cr 22.0042
WRIA: 22.0058
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.50 miles east of the Youmans Rd/US 101 junction.

Site Comments:

Juvenile coho identified in plunge pool.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/9/2003
Field Crew: Tschaefsky/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.18
OHW (m): 5.60
Max Depth (m): 0.49

CHANNEL DESCRIPTION

Toe Width (m): 2.74
Span/Toe Ratio: 1.17

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 3.20
Rise (m): 2.11
Length (m): 22.23
Slope (%): 0.32
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:

Level B completed on 1/13/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0086

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Youmans Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16003
Longitude:	-123.87681
WA state plane south (NAD 27, feet)	
East:	1,160,494
North:	684,181

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	SF Big Cr 22.0058
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the Youmans Rd/US 101 junction.

Site Comments:

No visible stream channel.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/9/2003
Field Crew:	Tschaefsky/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.71
Rise (m)	0.76
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	
Fill Depth (m)	6.50
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0087

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Polson Camp Rd
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17079
Longitude: -123.87520
WA state plane south (NAD 27, feet)
East: 1,161,063
North: 688,085

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Big Cr
Tributary To: Humptulips R 22.0004
WRIA: 22.0042
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.75 miles northeast of the Polson Camp Rd/US 101 junction.

Site Comments:

Juvenile coho identified in stream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/9/2003
Field Crew: Gloire/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 9.20
OHW (m): 6.40
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 4.31
Span/Toe Ratio: 0.61

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: SST
Span (m): 2.61
Rise (m): 2.08
Length (m): 25.64
Slope (%): 1.12
Bed Material: No
Outfall Drop (m): 0.19
WDIC (m): 0.06
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0088

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	DNR Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	36
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.17535
Longitude:	-123.86699
WA state plane south (NAD 27, feet)	
East:	1,163,175
North:	689,660

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Big Cr
Tributary To:	Humptulips R 22.0004
WRIA:	22.0042
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.15 miles east of the Polson Camp Rd, from end of pavement.

Site Comments:

Juvenile coho identified downstream. Site is a dual pipe system.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	Washington DNR
Type:	State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/9/2003
Field Crew:	Tschaefsk/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	8.60
OHW (m)	6.65
Max Depth (m)	0.32

CHANNEL DESCRIPTION

Toe Width (m)	4.05
Span/Toe Ratio	0.99

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	BOX
Material	TMB
Span (m)	2.25
Rise (m)	2.90
Length (m)	12.11
Slope (%)	0.60
Bed Material	No
Outfall Drop (m)	0.49
WDIC (m)	0.10
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Site 1.2 is wooden box located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0088

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	TMB
Span (m)	1.75
Rise (m)	2.63
Length (m)	11.66
Slope (%)	-0.66
Bed Material	No
Outfall Drop (m)	0.54
WDIC (m)	0.17
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Site 2.2 is on RB and has small PCC pipe feeding into upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0089

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DNR Rd
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17449
Longitude: -123.86490
WA state plane south (NAD 27, feet)
East: 1,163,681
North: 689,325

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles east of the Polson Camp Rd, from end of pavement.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington DNR
Type: State

Site Comments:

Stream channel dry at time of sample.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/9/2003
Field Crew: Tschaefsky/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.64
OHW (m): 2.10
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.90
Span/Toe Ratio: 1.70

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.53
Rise (m): 1.52
Length (m): 11.56
Slope (%): 0.00
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Level B not conducted due to upcoming culvert replacement at this site.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0090

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3425.7
County:	Grays Harbor
1/4 Section:	SW
Section:	34
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.17885
Longitude:	-123.91565
WA state plane south (NAD 27, feet)	
East:	1,151,139
North:	691,456

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the Hensel Rd/3425.7 junction.

Site Comments:

Seasonal wetlands upstream and downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/10/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	1.80

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.19
Rise (m)	1.22
Length (m)	12.06
Slope (%)	-0.77
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	0.70
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0091

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Walker Rd
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19335
Longitude: -123.95043
WA state plane south (NAD 27, feet)
East: 1,142,729
North: 697,116

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hansen Cr 22.0047
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles south of the Walker Rd/US 101 junction.

Site Comments:

Large debris jam acting as downstream control.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/10/2003
Field Crew: Tschaefsk/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 8.10
OHW (m): 2.80
Max Depth (m): 0.76

CHANNEL DESCRIPTION

Toe Width (m): 0.95
Span/Toe Ratio: 0.73

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.69
Rise (m): 0.75
Length (m): 17.39
Slope (%): -0.06
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.38
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0092

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Walker Rd
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19011
Longitude: -123.95045
WA state plane south (NAD 27, feet)
East: 1,142,672
North: 695,936

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hansen Cr 22.0047
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles south of the Walker Rd/US 101 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

Site Comments:

Seasonal wetland downstream. Stream dry at time of sample. A second culvert is located approximately 30 meters downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/10/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.78
OHW (m): 1.86
Max Depth (m): 0.46

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 0.80

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.60
Rise (m): 0.60
Length (m): 9.76
Slope (%): 1.30
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Plunge pool appears to have been excavated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0093

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Walker Rd
County: Grays Harbor
1/4 Section: SW
Section: 29
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18580
Longitude: -123.95732
WA state plane south (NAD 27, feet)
East: 1,140,897
North: 694,441

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hansen Cr 22.0047
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the Walker Rd/Sudderth Rd junction.

Site Comments:

Stream channel dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/10/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.27
OHW (m): 2.96
Max Depth (m): 0.57

CHANNEL DESCRIPTION

Toe Width (m): 1.05
Span/Toe Ratio: 0.57

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.60
Rise (m): 0.61
Length (m): 11.94
Slope (%): 2.54
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.25
Tidegate: No

Culvert Comments:

Upstream end of culvert is broken off on top.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0094

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Walker Rd
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18654
Longitude: -123.98207
WA state plane south (NAD 27, feet)
East: 1,134,762
North: 694,981

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Mopang Cr
Tributary To: Big Cr 22.0042
WRIA: 22.0044
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.95 miles west of the Sudderth Rd/Walker Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

Site Comments:

Juvenile coho identified upstream and downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/10/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: velocity

PLUNGE POOL DESCRIPTION

Length (m): 8.50
OHW (m): 8.00
Max Depth (m): 0.81

CHANNEL DESCRIPTION

Toe Width (m): 3.00
Span/Toe Ratio: 0.35

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 1.06
Rise (m): 1.06
Length (m): 22.94
Slope (%): 0.59
Bed Material: No
Outfall Drop (m): 0.09
WDIC (m): 0.05
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Level B completed on 2/01/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0095

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Walker Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	36
Township:	20N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18643
Longitude:	-123.98297
WA state plane south (NAD 27, feet)	
East:	1,134,535
North:	694,950

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Mopang Cr 22.0044
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 1.0 mile west of the Sudderth Rd/Walker Rd junction.

Site Comments:

Channel enters Mopang Cr downstream. Juvenile coho identified in plunge pool.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/10/2003
Field Crew:	Tschaefsky/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	9.60
Max Depth (m)	1.20

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	0.56

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.90
Rise (m)	0.91
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.56
WDIC (m)	0.06
Apron	No
Fill Depth (m)	4.50
Tidegate	No

Culvert Comments:

Wooden box surrounding downstream end of the culvert. Unable to obtain slope/length measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0096

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Creek Rd
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28795
Longitude: -123.85859
WA state plane south (NAD 27, feet)
East: 1,167,010
North: 730,605

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles northeast of the Donkey Cr Rd/7912 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/14/2003
Field Crew: Tschaefsky/Lutz
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.05
Span/Toe Ratio: 0.57

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.60
Rise (m): 0.60
Length (m): 70.68
Slope (%): 1.90
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.04
Apron: No
Fill Depth (m): 18.00
Tidegate: No

Culvert Comments:

Upstream end of culvert has a vertical overflow intake. Rebar is placed at upstream end to keep debris out. Culvert is a barrier due to upstream end of pipe vertical drop of 1.4 meters, which is not factored in on slope shots taken off bottom of pipe.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0097

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Donkey Creek Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	29
Township:	21N
Range:	09W

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Grays Harbor
Type:	County

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28478
Longitude:	-123.86203
WA state plane south (NAD 27, feet)	
East:	1,166,108
North:	729,484

Location / Directions:

Water crossing is approximately 50 meters northeast of the 7912/Donkey Cr Rd junction.

Site Comments:

Angled extension on downstream end.

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☒ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/14/2003
Field Crew:	Tschaefsk/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	2.17
Max Depth (m)	0.78

CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	0.93

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.21
Rise (m)	1.23
Length (m)	48.99
Slope (%)	1.12
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	15.00
Tidegate	No

Culvert Comments:

Slope measurement not accurate due to gradient break at downstream. Break caused by 4 meter extension at 45 degree angle directly into plunge pool, near zero passability for fish.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0098

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Creek Rd
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27961
Longitude: -123.88391
WA state plane south (NAD 27, feet)
East: 1,160,602
North: 727,835

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0072
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.60 miles east of the Donkey Cr Rd/7910 junction.

Site Comments:

Juvenile coho identified downstream. Substrate contains high amounts of gravel.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/14/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LB
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 7.10
OHW (m): 0.39
Max Depth (m): 3.00

CHANNEL DESCRIPTION

Toe Width (m): 1.75
Span/Toe Ratio: 1.25

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: SQSH
Material: CST
Span (m): 1.12
Rise (m): 0.64
Length (m): 22.00
Slope (%): 0.55
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0098

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.07
Rise (m)	0.65
Length (m)	22.19
Slope (%)	0.59
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0099

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Creek Rd
County: Grays Harbor
1/4 Section: SE
Section: 25
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27817
Longitude: -123.89558
WA state plane south (NAD 27, feet)
East: 1,157,684
North: 727,434

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0072
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 50 meters east of the Donkey Cr Rd/7910 junction.

Site Comments:

Stream width measurements not obtainable due to wetlands upstream and downstream.
Juvenile coho identified upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/14/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: SQSH
Material: CST
Span (m): 1.16
Rise (m): 0.78
Length (m): 19.38
Slope (%): 0.95
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert 1.2 is on left bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0099

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.20
Rise (m)	0.78
Length (m)	19.31
Slope (%)	0.95
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0100

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4012.2
County:	Grays Harbor
1/4 Section:	NW
Section:	23
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.03327
Longitude:	-124.01838
WA state plane south (NAD 27, feet)	
East:	1,123,249
North:	639,535

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 4012.2/Chenois Cr Rd junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/30/2003
Field Crew:	Glore/Peterson
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.07
Apron	
Fill Depth (m)	1.50
Tidegate	

Culvert Comments:

Upstream end of culvert is deformed.
Downstream end is filled with dirt.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0101

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4012.2
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04187
Longitude: -124.00054
WA state plane south (NAD 27, feet)
East: 1,127,833
North: 642,471

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles west of the 4012/4012.2 junction.

Site Comments:

Wetland downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/30/2003
Field Crew: Glore/Peterson
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.94
Rise (m): 0.94
Length (m): 15.60
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Level B not applicable due to a angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0102

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4012.2
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04162
Longitude:	-123.99559
WA state plane south (NAD 27, feet)	
East:	1,129,060
North:	642,326

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the 4012/4012.2 junction.

Site Comments:

Braiding and wetland influence downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/30/2003
Field Crew:	Glore/Peterson
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	2.40
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	1.07

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.50
Rise (m)	1.54
Length (m)	12.55
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Level B completed on 2/09/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0103

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4012.2
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04238
Longitude: -123.99359
WA state plane south (NAD 27, feet)
East: 1,129,571
North: 642,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 4012/4012.2 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Bolton Jean ET AL
Type: Private

Site Comments:

Two stream meet at upstream end of culvert. Left bank stream has a large wetland 50 meters upstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/30/2003
Field Crew: Glore/Peterson
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.80
OHW (m): 1.50
Max Depth (m): 0.40

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m): 0.95
Span/Toe Ratio: 1.30

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.24
Rise (m): 1.26
Length (m): 12.01
Slope (%): 0.25
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Recently replaced culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0104

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4012-F
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04348
Longitude: -123.99519
WA state plane south (NAD 27, feet)
East: 1,129,191
North: 642,996

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 4012/C-4012-F junction.

Site Comments:

Upstream end of culvert is buried and plugged by beaver dam; unable to obtain slope and length.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 8.00
OHW (m): 3.10
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m): 2.30
Span/Toe Ratio: 0.42

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.97
Rise (m): 0.97
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.53
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Beaver dam blocking upstream end of the culvert. Unable to obtain slope/length measurements due to beaver dam. PVC overflow pipe 1meter above culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0105

Fish Use:

Unk

PI:

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4012-F
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04681
Longitude: -123.99728
WA state plane south (NAD 27, feet)
East: 1,128,724
North: 644,235

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters north of the C-4012-F/C-4012-H junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

Intermittent subsurface flows upstream and downstream, downed log obscures downstream channel for 20 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.62
Length (m): 12.32
Slope (%): 3.70
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

No upstream habitat gain for salmon.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0106

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4012-H
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04842
Longitude: -123.99736
WA state plane south (NAD 27, feet)
East: 1,128,730
North: 644,822

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.15 miles north of the C-4012-H/C-4012-F junction.

Site Comments:

Juvenile salmonids spotted in stream system, unable to identify. Unable to obtain stream width.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.50
OHW (m): 1.20
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.90
Length (m): 9.34
Slope (%): 0.06
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0107

Fish Use:

Unk

PI:

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4012-H
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04842
Longitude: -123.99755
WA state plane south (NAD 27, feet)
East: 1,128,683
North: 644,824

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the C-4012-H/C-4012-F junction.

Site Comments:

Channel dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.63
Rise (m): 0.60
Length (m): 9.34
Slope (%): 2.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Wetland downstream of culvert, unable to obtain plunge pool or stream width measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0108

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4012-F
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04910
Longitude: -123.99875
WA state plane south (NAD 27, feet)
East: 1,128,395
North: 645,086

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the C-4012-H/C-4012-F junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.41
Rise (m): 0.37
Length (m): 5.89
Slope (%): 0.85
Bed Material: No
Outfall Drop (m): 0.25
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0109

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4012
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04234
Longitude: -123.99108
WA state plane south (NAD 27, feet)
East: 1,130,196
North: 642,538

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 4012/4012.2 junction.

Site Comments:

No OHW obtainable, stream flows subsurface.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Bolton Jean ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.10
OHW (m): 0.25
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.60
Length (m): 10.51
Slope (%): 2.10
Bed Material: Yes
Outfall Drop (m): 0.20
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Stream flows subsurface upstream and downstream of culvert, unable to obtain stream width measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0110

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4012
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04187
Longitude: -123.99108
WA state plane south (NAD 27, feet)
East: 1,130,189
North: 642,366

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.30 miles southwest of the 4012/Ocean Beach Rd junction..

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Bolton Jean ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 2.40
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 1.04

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.25
Rise (m): 1.25
Length (m): 9.37
Slope (%): 0.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Level B completed on 2/09/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0111

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4012
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04110
Longitude:	-123.99113
WA state plane south (NAD 27, feet)	
East:	1,130,164
North:	642,087

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the 4012/4012.2 junction.

Site Comments:

Undefined stream channel; perennial growth throughout.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Bolton Jean ET AL
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/1/2003
Field Crew:	Glore/Peterson
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.62
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0112

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.03855
Longitude:	-123.99218
WA state plane south (NAD 27, feet)	
East:	1,129,861
North:	641,170

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grass Cr 22.0135
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of the 4012.2/4012-A junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/1/2003
Field Crew:	Glore/Peterson
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	1.14

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.25
Length (m)	12.45
Slope (%)	2.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Slash pile directly downstream of culvert; unable to obtain plunge pool measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0113

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4012
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04388
Longitude: -123.99132
WA state plane south (NAD 27, feet)
East: 1,130,161
North: 643,102

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters northeast of the 4012/4012.2 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Bolton Jean ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/1/2003
Field Crew: Glore/Peterson
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.60
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0114

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4012C
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.03747
Longitude: -123.98964
WA state plane south (NAD 27, feet)
East: 1,130,477
North: 640,747

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grass Cr 22.0135
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles southeast of the 4012-A/4012-C junction.

Site Comments:

OHW > 0.6 meters. Wetland influences upstream and downstream of site.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/3/2003
Field Crew: Glore/Peterson
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m): 14.93
Slope (%): 1.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Wetland influence upstream and downstream of culvert, not allowing plunge pool or stream width measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0115

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4012.0122
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.02105
Longitude:	-124.00097
WA state plane south (NAD 27, feet)	
East:	1,127,389
North:	634,890

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grass Cr 22.0135
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles west of the 4012.0122/4012.012 junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/3/2003
Field Crew:	Glore/Peterson
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.64
Length (m)	7.11
Slope (%)	1.69
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Beaver influences 5 meters upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0116

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Lynnwood Ln
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05134
Longitude: -123.98677
WA state plane south (NAD 27, feet)
East: 1,131,415
North: 645,770

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the Ocean Beach Rd/Lynwood Ln junction.

Site Comments:

Stream system dry at time of sample. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/10/2003
Field Crew: Glore/Peterson
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0117

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32947
Longitude: -123.80243
WA state plane south (NAD 27, feet)
East: 1,181,569
North: 745,146

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles west of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Peterson
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.79
Rise (m): 1.79
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.39
Apron:
Fill Depth (m): 2.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0118

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32870
Longitude: -123.79819
WA state plane south (NAD 27, feet)
East: 1,182,608
North: 744,824

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Donkey Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0108
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.80
Rise (m): 1.85
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.39
WDIC (m): 0.14
Apron:
Fill Depth (m): 2.20
Tidegate:

Culvert Comments:

Majority of water is flowing through culvert 1.2; culvert 2.2 is almost dry.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0118

Fish Use: No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.80
Rise (m)	1.85
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.29
WDIC (m)	0.02
Apron	
Fill Depth (m)	2.20
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0119

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	11
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32673
Longitude:	-123.79068
WA state plane south (NAD 27, feet)	
East:	1,184,439
North:	744,027

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Donkey Cr 22.0108
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/20/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.24
WDIC (m)	0.01
Apron	
Fill Depth (m)	1.50
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0120

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32644
Longitude: -123.78967
WA state plane south (NAD 27, feet)
East: 1,184,684
North: 743,911

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the FS 22/FS 2204 junction.

Site Comments:

OHW <0.60 meters. Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron:
Fill Depth (m): 2.20
Tidegate:

Culvert Comments:

Juvenile trout observed in plunge pool.
Flagging at site: A-17.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0121

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32535
Longitude: -123.78571
WA state plane south (NAD 27, feet)
East: 1,185,649
North: 743,473

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles east of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:

Downstream end of culvert is half buried.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0122

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32487
Longitude: -123.78515
WA state plane south (NAD 27, feet)
East: 1,185,782
North: 743,291

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles east of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.21
WDIC (m): 0.03
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0123

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32361
Longitude: -123.78428
WA state plane south (NAD 27, feet)
East: 1,185,977
North: 742,823

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters north of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.26
WDIC (m): 0.00
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:

Stream flow is subsurface downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0124

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32092
Longitude:	-123.78339
WA state plane south (NAD 27, feet)	
East:	1,186,157
North:	741,834

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0110
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the FS 22/FS 2205 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/20/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.43
Rise (m)	1.55
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	
Fill Depth (m)	2.75
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0125

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31627
Longitude: -123.77931
WA state plane south (NAD 27, feet)
East: 1,187,098
North: 740,099

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles south of the FS 22/FS 2205 junction.

Site Comments:

OHW >0.60m. Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron:
Fill Depth (m): 0.80
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0126

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31465
Longitude: -123.77676
WA state plane south (NAD 27, feet)
East: 1,187,706
North: 739,482

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles southeast of the FS 22/FS 2204 junction.

Site Comments:

OHW <0.60m. Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.11
WDIC (m): 0.01
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0127

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31409
Longitude: -123.77627
WA state plane south (NAD 27, feet)
East: 1,187,818
North: 739,272

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles southeast of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.67
OHW (m): 4.15
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 1.13

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.00
Rise (m): 1.10
Length (m): 16.96
Slope (%): 5.60
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0128

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31123
Longitude: -123.77392
WA state plane south (NAD 27, feet)
East: 1,188,357
North: 738,206

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Widow Cr 22.0087
WRIA: 22.0088
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles southeast of the FS 22/FS 2205 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/20/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.35
OHW (m): 1.64
Max Depth (m): 0.37

CHANNEL DESCRIPTION

Toe Width (m): 0.72
Span/Toe Ratio: 1.08

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.78
Rise (m): 0.78
Length (m): 17.98
Slope (%): 5.70
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0129

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31034
Longitude:	-123.77330
WA state plane south (NAD 27, feet)	
East:	1,188,497
North:	737,873

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0088
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 mile southeast of the FS 22/FS 2204 junction.

Site Comments:

OHW > 0.6 meters. Additional PVC culvert 2 meters downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/21/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	1.50
OHW (m)	1.13
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	0.68
Span/Toe Ratio	0.90

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	19.54
Slope (%)	3.27
Bed Material	No
Outfall Drop (m)	0.29
WDIC (m)	0.02
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0130

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	DC-400
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31016
Longitude:	-123.77340
WA state plane south (NAD 27, feet)	
East:	1,188,469
North:	737,808

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0088
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the DC-400/FS 22 junction, 2 meters downstream of 127H0129.

Site Comments:

Mapped as non fish bearing, however OHW > 0.6 meters. Wetland downstream with some spring influence.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/20/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.65
OHW (m)	1.97
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.68
Span/Toe Ratio	0.68

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.46
Length (m)	8.95
Slope (%)	5.10
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0131

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31343
Longitude:	-123.76415
WA state plane south (NAD 27, feet)	
East:	1,190,812
North:	738,905

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.55 miles southwest of the FS 22/FS 2200.015 junction.

Site Comments:

Stream gradient > 20% upstream and downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/25/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.42
Rise (m)	0.35
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	0.00
Apron	
Fill Depth (m)	3.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0132

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31483
Longitude:	-123.76357
WA state plane south (NAD 27, feet)	
East:	1,190,976
North:	739,409

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles southwest of the FS 22/FS 2200.015 junction.

Site Comments:

Gradient downstream of culvert > 20%.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/25/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.78
Rise (m)	0.78
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.03
Apron	
Fill Depth (m)	2.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0133

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31519
Longitude: -123.76205
WA state plane south (NAD 27, feet)
East: 1,191,359
North: 739,527

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles southwest of the FS 22/FS 2200.015 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

Possible gradient barrier downstream, limited habitat gain upstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.40
OHW (m): 1.10
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.65
Rise (m): 0.65
Length (m): 23.63
Slope (%): 26.15
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.02
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0134

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31591
Longitude: -123.76112
WA state plane south (NAD 27, feet)
East: 1,191,600
North: 739,779

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles southwest of the FS 22/FS 2200.015 junction.

Site Comments:

No defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.63
Rise (m): 0.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:

Downstream end of culvert has an extension 15 meters in length.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0135

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32039
Longitude: -123.75243
WA state plane south (NAD 27, feet)
East: 1,193,822
North: 741,323

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0089
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southwest of the FS 22/FS 22000.017 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 10.50
OHW (m): 9.50
Max Depth (m): 1.90

CHANNEL DESCRIPTION

Toe Width (m): 2.40
Span/Toe Ratio: 0.64

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.53
Rise (m): 1.53
Length (m): 15.98
Slope (%): 2.50
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Stream width measurements taken upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0136

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32079
Longitude: -123.75210
WA state plane south (NAD 27, feet)
East: 1,193,908
North: 741,464

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0089
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters southwest of the FS 22/FS 2200.017 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.50
OHW (m): 1.40
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 0.84

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.63
Length (m): 12.45
Slope (%): 3.94
Bed Material: No
Outfall Drop (m): 0.32
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0137

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32399
Longitude: -123.74868
WA state plane south (NAD 27, feet)
East: 1,194,806
North: 742,598

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the FS 22/FS 2200.018 junction.

Site Comments:

Gradient of stream > 20% upstream and downstream. Natural point barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.78
Rise (m): 0.78
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron:
Fill Depth (m): 4.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0138

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32517
Longitude: -123.74552
WA state plane south (NAD 27, feet)
East: 1,195,606
North: 742,996

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles northeast of the FS 22/FS 2200.018 junction.

Site Comments:

Gradient of stream downstream of culvert > 20%. Upstream of culvert is a natural point barrier.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.28
Rise (m): 1.29
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m): 0.04
Apron:
Fill Depth (m): 10.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0139

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32586
Longitude: -123.74068
WA state plane south (NAD 27, feet)
East: 1,196,814
North: 743,195

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is immediately west of the FS 22/FS 2200.020 junction.

Site Comments:

No defined stream channel upstream or downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.55
Rise (m): 0.55
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0140

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32691
Longitude: -123.73418
WA state plane south (NAD 27, feet)
East: 1,198,441
North: 743,514

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles west of the FS 22/FS 2206 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

OHW > 0.6 meters. Stream channel has good mix of substrate.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.60
OHW (m): 2.50
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 1.30
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m): 14.21
Slope (%): 6.76
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Confluence with the EF Humptulips River is approximately 15m downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0141

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33246
Longitude: -123.71903
WA state plane south (NAD 27, feet)
East: 1,202,279
North: 745,382

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles northeast of the FS 22/FS 2200.025 junction.

Site Comments:

Possible no gain for habitat. Stream gradient increases at upstream end of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 1.60
OHW (m): 0.70
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.41
Rise (m): 0.41
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.00
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:

Upstream end of culvert is buried, unable to obtain slope/length of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0142

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2281
County:	Grays Harbor
1/4 Section:	SE
Section:	33
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.35132
Longitude:	-123.70294
WA state plane south (NAD 27, feet)	
East:	1,206,544
North:	752,095

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0094
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the FS 22/FS 2281 junction.

Site Comments:

Good mix of cobble and gravel in the stream channel.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/25/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	7.40
OHW (m)	5.10
Max Depth (m)	1.50

CHANNEL DESCRIPTION

Toe Width (m)	1.70
Span/Toe Ratio	0.91

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.54
Rise (m)	1.54
Length (m)	32.74
Slope (%)	3.73
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.06
Apron	No
Fill Depth (m)	9.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0143

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35445
Longitude: -123.70424
WA state plane south (NAD 27, feet)
East: 1,206,268
North: 753,248

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2281/FS 2281.020 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.80
OHW (m): 0.80
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.95
Rise (m): 0.95
Length (m): 30.41
Slope (%): 4.24
Bed Material: No
Outfall Drop (m): 0.38
WDIC (m): 0.04
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0144

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35666
Longitude: -123.70712
WA state plane south (NAD 27, feet)
East: 1,205,587
North: 754,081

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is immediately north of the FS 2281/FS 2281.030 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.37
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m):
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:

Upstream end of culvert is buried under soil.
Top 1/3 of culvert is visible.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0145

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: SW
Section: 28
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36012
Longitude: -123.70915
WA state plane south (NAD 27, feet)
East: 1,205,137
North: 755,364

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Flatbottom Cr
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0095
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles north of the FS 2281/FS 2281.030 junction.

Site Comments:

Stream has good mix of substrate.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.10
OHW (m): 2.40
Max Depth (m): 1.70

CHANNEL DESCRIPTION

Toe Width (m): 3.10
Span/Toe Ratio: 0.88

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.74
Rise (m): 2.74
Length (m): 13.82
Slope (%): 1.45
Bed Material: No
Outfall Drop (m): 1.70
WDIC (m): 0.09
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Overflow culvert approximately 1 meter above surveyed culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0146

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: SW
Section: 28
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36161
Longitude: -123.71314
WA state plane south (NAD 27, feet)
East: 1,204,170
North: 755,946

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Flatbottom Cr 22.0095
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles north of the FS 2281/FS 2281.030 junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.80
OHW (m): 1.80
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 0.58

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.64
Rise (m): 0.62
Length (m): 17.76
Slope (%): 5.69
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0147

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NW
Section: 28
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36878
Longitude: -123.71640
WA state plane south (NAD 27, feet)
East: 1,203,469
North: 758,593

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles north of the FS 2281/FS2281.030 junction.

Site Comments:

Stream runs through a very steep ravine. OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 1.60
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 0.72

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.30
Rise (m): 1.15
Length (m): 37.86
Slope (%): 6.21
Bed Material: No
Outfall Drop (m): 0.18
WDIC (m): 0.04
Apron: No
Fill Depth (m): 11.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0148

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NW
Section: 28
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37329
Longitude: -123.71520
WA state plane south (NAD 27, feet)
East: 1,203,835
North: 760,225

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.8 miles north of the FS 2281/FS 2281.030 junction.

Site Comments:

No stream channel downstream of culvert.
OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.40
Rise (m): 0.40
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.60
WDIC (m): 0.00
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0149

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: SW
Section: 21
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37677
Longitude: -123.71115
WA state plane south (NAD 27, feet)
East: 1,204,889
North: 761,451

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.30 miles north of the FS 2281/FS 2281.030 junction.

Site Comments:

Possible gradient barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.80
OHW (m): 1.10
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.65
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.79
Rise (m): 0.82
Length (m): 20.15
Slope (%): 10.27
Bed Material: No
Outfall Drop (m): 0.90
WDIC (m): 0.02
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0150

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NE
Section: 21
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38441
Longitude: -123.70530
WA state plane south (NAD 27, feet)
East: 1,206,451
North: 764,178

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0096
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.75 miles north of the FS 2281/FS 2281.030 junction.

Site Comments:

Natural point barrier 20 meters downstream of site.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/25/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.00
OHW (m): 4.40
Max Depth (m): 1.05

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.81
Rise (m): 1.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.40
WDIC (m): 0.80
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0151

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2203.050
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34744
Longitude: -123.81118
WA state plane south (NAD 27, feet)
East: 1,179,677
North: 751,786

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the FS 2203.05/FS 2203 junction.

Site Comments:

Stream flows 20 meters downstream of culvert, then fans out and begins to flow subsurface. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.80
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0152

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2203
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34195
Longitude: -123.81750
WA state plane south (NAD 27, feet)
East: 1,178,027
North: 749,852

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles north of the FS 2203/FS 2203.030 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 0.77

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m): 10.29
Slope (%): 5.60
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is 1/2 buried. No defined plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0153

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33097
Longitude: -123.80731
WA state plane south (NAD 27, feet)
East: 1,180,383
North: 745,746

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the FS 2203 on unnamed spur, spur is approximately 0.15 miles west of the FS 2203/FS 22 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0154

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 2
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33031
Longitude: -123.79178
WA state plane south (NAD 27, feet)
East: 1,184,221
North: 745,342

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Donkey Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0108
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 22/FS 2204 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CAL
Span (m): 3.75
Rise (m): 2.44
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.16
WDIC (m): 0.16
Apron:
Fill Depth (m): 4.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0155

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34168
Longitude: -123.78528
WA state plane south (NAD 27, feet)
East: 1,186,004
North: 749,421

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2204/FS 2207 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

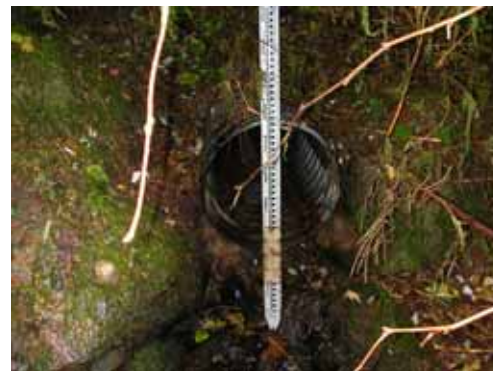
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.27
WDIC (m): 0.01
Apron:
Fill Depth (m): 2.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0156

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 35
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34509
Longitude: -123.78466
WA state plane south (NAD 27, feet)
East: 1,186,210
North: 750,655

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles north of the FS 2204/FS 2207 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.30
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0157

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 35
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35693
Longitude: -123.78379
WA state plane south (NAD 27, feet)
East: 1,186,605
North: 754,960

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Rainbow Cr 22.0112
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the FS 2204/FS 2204.030 junction.

Site Comments:

Perennial vegetation growing throughout stream channel. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:

Excavated channel on downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0158

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 26
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36548
Longitude: -123.78344
WA state plane south (NAD 27, feet)
East: 1,186,820
North: 758,073

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the FS 2204/FS 2204.039 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.80
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 2.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0158

Fish Use:

No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.79
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	
Fill Depth (m)	2.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0159

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37228
Longitude: -123.78372
WA state plane south (NAD 27, feet)
East: 1,186,854
North: 760,557

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Elk Cr 22.0115
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2204/FS 2208 junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.96
OHW (m): 1.30
Max Depth (m): 0.44

CHANNEL DESCRIPTION

Toe Width (m): 0.82
Span/Toe Ratio: 0.61

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.50
Rise (m): 0.50
Length (m): 13.37
Slope (%): 4.80
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0160

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34046
Longitude: -123.78592
WA state plane south (NAD 27, feet)
East: 1,185,826
North: 748,980

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the FS 2204/FS 2207 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.89
Rise (m): 0.95
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.51
WDIC (m): 0.01
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0161

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2205
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32353
Longitude: -123.77587
WA state plane south (NAD 27, feet)
East: 1,188,059
North: 742,707

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles north of the FS 22/FS 2205 junction.

Site Comments:

Natural point barrier upstream of culvert.
Gradient barrier downstream of culvert, possible natural point barrier.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:

Downstream end of culvert has an extension.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0162

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2205
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32517
Longitude: -123.77074
WA state plane south (NAD 27, feet)
East: 1,189,357
North: 743,254

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles north of the FS 2205/FS 22 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.02
WDIC (m): 0.01
Apron:
Fill Depth (m): 1.75
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0163

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2205
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32756
Longitude: -123.77118
WA state plane south (NAD 27, feet)
East: 1,189,284
North: 744,129

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles north of the FS 2205/FS 22 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek. OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.76
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.38
WDIC (m): 0.03
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0164

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2205
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32759
Longitude: -123.77036
WA state plane south (NAD 27, feet)
East: 1,189,487
North: 744,130

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile east of the FS 2205/FS 22 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek. OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.54
Rise (m): 0.54
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.60
WDIC (m): 0.04
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0165

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2203
County: Grays Harbor
1/4 Section: SE
Section: 4
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33629
Longitude: -123.82427
WA state plane south (NAD 27, feet)
East: 1,176,262
North: 747,860

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles north of the FS 2203/FS 2203.030 junction.

Site Comments:

OHW < 0.6 meters. No defined stream channel. Seasonal wetland downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:

Downstream end of culvert is smashed from the top down.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0166

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204.018
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34086
Longitude: -123.79114
WA state plane south (NAD 27, feet)
East: 1,184,539
North: 749,181

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles southwest of the FS 2204.018/FS 2204 junction.

Site Comments:

No defined stream channel. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.60
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0167

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204
County:	Grays Harbor
1/4 Section:	SE
Section:	35
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.35074
Longitude:	-123.78435
WA state plane south (NAD 27, feet)	
East:	1,186,372
North:	752,712

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Donkey Cr 22.0108
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters north of the FS 2204/FS 2204.023 junction.

Site Comments:

No defined stream channel downstream of culvert. OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/27/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	
Fill Depth (m)	1.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0168

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	DC-530
County:	Grays Harbor
1/4 Section:	SW
Section:	26
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.36094
Longitude:	-123.78859
WA state plane south (NAD 27, feet)	
East:	1,185,477
North:	756,472

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the DC-530/DC-500 junction.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	en Diamond Resource Comp
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/27/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.80
OHW (m)	1.70
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	1.89

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.80
Rise (m)	1.85
Length (m)	12.91
Slope (%)	1.08
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.70
Tidegate	No

Culvert Comments:

1.60 meter high partial barrier waterfall about 20 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0169

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-530
County: Grays Harbor
1/4 Section: SW
Section: 26
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36077
Longitude: -123.79543
WA state plane south (NAD 27, feet)
East: 1,183,781
North: 756,480

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles west of the DC-500/DC-530 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.10
OHW (m): 1.70
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 1.50
Span/Toe Ratio: 0.81

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.21
Rise (m): 1.24
Length (m): 11.83
Slope (%): 3.55
Bed Material: No
Outfall Drop (m): 0.01
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0170

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-540
County: Grays Harbor
1/4 Section: NW
Section: 35
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35722
Longitude: -123.78965
WA state plane south (NAD 27, feet)
East: 1,185,158
North: 755,128

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Rainbow Cr 22.0112
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the DC-500/DC-540 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

Wetlands upstream and downstream of culvert not allowing for stream width measurements.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 1.10
Max Depth (m): 0.20

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m): 9.55
Slope (%): 3.04
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:

Upstream channel appears to be excavated. Unable to measure stream width due to wetland. Culvert 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0170

Fish Use:

Unk

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	9.31
Slope (%)	2.36
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0171

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-540
County: Grays Harbor
1/4 Section: NW
Section: 35
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35572
Longitude: -123.78935
WA state plane south (NAD 27, feet)
East: 1,185,209
North: 754,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Rainbow Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0112
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles south of the DC-500/DC-540 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.50
OHW (m): 3.10
Max Depth (m): 0.85

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 0.76

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.93
Length (m): 9.99
Slope (%): -5.31
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.09
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:

Culvert is sloped inversely



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0172

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	DC-540
County:	Grays Harbor
1/4 Section:	NW
Section:	35
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.35661
Longitude:	-123.78917
WA state plane south (NAD 27, feet)	
East:	1,185,268
North:	754,899

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Rainbow Cr 22.0112
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the DC-500/DC-540 junction.

Site Comments:

Wetlands upstream and downstream of culvert, unable to obtain stream width measurements.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/27/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	5.90
OHW (m)	2.80
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.46
Length (m)	8.33
Slope (%)	-0.96
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Wetlands upstream and downstream of culvert, unable to obtain stream width measurement. Culvert sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0173

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 26
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36172
Longitude: -123.78339
WA state plane south (NAD 27, feet)
East: 1,186,776
North: 756,702

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the FS 2204/FS 2204.039 junction.

Site Comments:

Ditch drainage upstream. No defined stream channel. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:

Upstream end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0174

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 35
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35359
Longitude: -123.78405
WA state plane south (NAD 27, feet)
East: 1,186,489
North: 753,749

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters south of the FS 2204/2204.030 junction.

Site Comments:

Ditch drainage upstream of culvert. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0175

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34342
Longitude: -123.77560
WA state plane south (NAD 27, feet)
East: 1,188,429
North: 749,955

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles northeast of the FS 2204/FS 2207 junction.

Site Comments:

OHW < 0.6 meters. Main stem of stream 15 meters downstream. Spring influence upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.04
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0176

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34708
Longitude: -123.76982
WA state plane south (NAD 27, feet)
East: 1,189,916
North: 751,227

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles southwest of the FS 2207/FS 2207.013 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.42
Rise (m): 0.42
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0177

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34790
Longitude: -123.76832
WA state plane south (NAD 27, feet)
East: 1,190,299
North: 751,513

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles southwest of the FS 2207/FS 2207.013 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:

Stream flows through a small ravine.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0178

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34992
Longitude: -123.76614
WA state plane south (NAD 27, feet)
East: 1,190,870
North: 752,227

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles southwest of the FS 2207/FS 2207.013 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.90
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0179

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35084
Longitude: -123.76466
WA state plane south (NAD 27, feet)
East: 1,191,251
North: 752,547

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the FS 2207/FS 2207.013 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.33
Rise (m): 0.33
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.90
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0180

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35152
Longitude: -123.76355
WA state plane south (NAD 27, feet)
East: 1,191,536
North: 752,781

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of the FS 2207/FS 2207.013 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/27/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.79
Rise (m): 0.79
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.03
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0181

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2207
County:	Grays Harbor
1/4 Section:	NE
Section:	36
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.35554
Longitude:	-123.76104
WA state plane south (NAD 27, feet)	
East:	1,192,218
North:	754,220

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Donkey Cr 22.0108
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the FS 2207/FS 2207.013 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/27/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.31
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.00
WDIC (m)	0.03
Apron	
Fill Depth (m)	8.00
Tidegate	

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0182

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36209
Longitude: -123.75193
WA state plane south (NAD 27, feet)
East: 1,194,573
North: 756,514

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Goforth Cr 22.0092
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the FS 2207.03/FS 2207 junction.

Site Comments:

Gradient barrier upstream and downstream of culvert. No defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.05
WDIC (m): 0.00
Apron:
Fill Depth (m): 15.00
Tidegate:

Culvert Comments:

Culvert has an extension on downstream end. Upstream end of culvert is buried.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0183

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2207
County:	Grays Harbor
1/4 Section:	SW
Section:	30
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.36271
Longitude:	-123.75184
WA state plane south (NAD 27, feet)	
East:	1,194,605
North:	756,740

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Goforth Cr 22.0092
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the FS 2207/FS 2207.030 junction.

Site Comments:

Mapped as non fish bearing stream, however OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/28/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.36
OHW (m)	2.03
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.69

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.76
Length (m)	29.81
Slope (%)	16.84
Bed Material	No
Outfall Drop (m)	0.14
WDIC (m)	0.03
Apron	No
Fill Depth (m)	11.00
Tidegate	No

Culvert Comments:

Small cascade downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0184

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36661
Longitude: -123.75323
WA state plane south (NAD 27, feet)
East: 1,194,318
North: 758,177

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Goforth Cr 22.0092
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the FS 2207/FS 2207.040 junction.

Site Comments:

Gradient barrier upstream and downstream. No defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.39
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.93
WDIC (m): 0.00
Apron:
Fill Depth (m): 8.00
Tidegate:

Culvert Comments:

Culvert has an extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0185

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36684
Longitude: -123.75301
WA state plane south (NAD 27, feet)
East: 1,194,376
North: 758,259

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Goforth Cr 22.0092
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles south of the FS 2207/FS 2207.040 junction.

Site Comments:

Gradient barrier upstream and downstream. Stream channel is excavated at upstream end of the culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.37
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 3.50
Apron:
Fill Depth (m): 5.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0186

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38019
Longitude: -123.75797
WA state plane south (NAD 27, feet)
East: 1,193,350
North: 763,172

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Goforth Cr 22.0092
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the FS 2207/FS 2207.060 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.57
Rise (m): 0.54
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0187

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SE
Section: 7
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40475
Longitude: -123.74086
WA state plane south (NAD 27, feet)
East: 1,197,954
North: 771,950

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0097
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the FS 2207/FS 2207.130 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.43
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.50
Tidegate:

Culvert Comments:

Series of small cascades upstream of culvert.
Upstream channel appears to be excavated.
Culvert is slightly deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0188

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SE
Section: 7
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40678
Longitude: -123.73978
WA state plane south (NAD 27, feet)
East: 1,198,250
North: 772,680

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0123
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters north of the FS 2207/FS 2207.130 junction.

Site Comments:

Gradient barrier upstream and downstream.
Bedrock slide upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.52
Rise (m): 0.54
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 2.30
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0189

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: SW
Section: 8
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40911
Longitude: -123.73217
WA state plane south (NAD 27, feet)
East: 1,200,168
North: 773,449

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0123
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of the FS 2207/FS 2207.150 junction.

Site Comments:

Stream is mapped as Non fish bearing, however OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 2.30
Span/Toe Ratio: 0.50

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.16
Rise (m): 1.25
Length (m): 24.68
Slope (%): 15.20
Bed Material: No
Outfall Drop (m): 0.93
WDIC (m): 0.03
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Water flows from culvert onto rip-rap, no plunge pool formed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0190

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2207.150
County:	Grays Harbor
1/4 Section:	NE
Section:	8
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.41210
Longitude:	-123.72796
WA state plane south (NAD 27, feet)	
East:	1,201,254
North:	774,499

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0122
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the FS 2207/FS 2207.150 junction.

Site Comments:

Mapped as non-fish bearing, however OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/28/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	2.10
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	1.04
Span/Toe Ratio	0.73

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.76
Rise (m)	0.77
Length (m)	17.12
Slope (%)	9.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.25
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0191

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41284
Longitude: -123.72848
WA state plane south (NAD 27, feet)
East: 1,201,138
North: 774,774

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0122
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters east of the FS 2207/FS 2207.150 junction.

Site Comments:

Mapped as non-fish bearing, however OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.04
Span/Toe Ratio: 1.26

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CAL
Span (m): 1.31
Rise (m): 0.76
Length (m): 12.81
Slope (%): 13.19
Bed Material: No
Outfall Drop (m): 0.38
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is deformed. Gradient and bedrock of stream hinders formation of plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0192

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2207
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42957
Longitude: -123.73046
WA state plane south (NAD 27, feet)
East: 1,200,897
North: 780,889

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0122
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of the FS 2207/FS 2206 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.17
WDIC (m): 0.00
Apron:
Fill Depth (m): 3.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0193

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: NE
Section: 5
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42819
Longitude: -123.72544
WA state plane south (NAD 27, feet)
East: 1,202,118
North: 780,335

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0099
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles south of the FS 2207/FS 2206 junction.

Site Comments:

Mapped as non-fish bearing. Gradient barrier upstream and downstream. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.78
Rise (m): 0.75
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.60
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0194

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: NE
Section: 5
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42469
Longitude: -123.72438
WA state plane south (NAD 27, feet)
East: 1,202,328
North: 779,050

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0099
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles south of the FS 2207/FS 2206 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.64
Rise (m): 0.64
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:

Upstream end of culvert deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0195

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42329
Longitude: -123.72281
WA state plane south (NAD 27, feet)
East: 1,202,695
North: 778,524

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0099
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the FS 2207/FS 2206 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.93
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron:
Fill Depth (m): 2.60
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0196

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42115
Longitude: -123.72016
WA state plane south (NAD 27, feet)
East: 1,203,319
North: 777,717

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0099
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles south of the FS 2207/FS 2206 junction.

Site Comments:

Gradient barrier upstream and downstream.
Natural point barrier 30 meters upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.40
Rise (m): 1.01
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0197

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41717
Longitude: -123.71650
WA state plane south (NAD 27, feet)
East: 1,204,164
North: 776,229

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0099
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles south of the FS 2206/FS 2207 junction.

Site Comments:

Mapped as non-fish bearing, however, OHW > 0.6 meters. Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.40
Rise (m): 1.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron:
Fill Depth (m): 8.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0198

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29105
Longitude: -123.85573
WA state plane south (NAD 27, feet)
East: 1,167,766
North: 731,704

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: O'Brien Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0104
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the FS 22/FS 2200.110 junction.

Site Comments:

Good mix of cobble and gravel through stream channel. Fishway through culvert. Two culverts at site.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0199

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33458
Longitude: -123.72569
WA state plane south (NAD 27, feet)
East: 1,200,661
North: 746,223

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0091
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the FS 22/FS 2206 junction.

Site Comments:

Natural point barrier approximately 8 meters upstream. OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/2/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: OT
Repair Status: NG
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.10
Rise (m): 2.35
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.05
Apron:
Fill Depth (m): 4.00
Tidegate:

Culvert Comments:

Natural point barrier approximately 8 meters upstream of culvert. No habitat gain for salmon.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0200

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: SE
Section: 32
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34600
Longitude: -123.72357
WA state plane south (NAD 27, feet)
East: 1,201,356
North: 750,364

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Goforth Cr
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0092
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles south of the FS 2206/FS 2206.010 junction.

Site Comments:

Stream channel has good mix of cobbles, gravels and fines.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/2/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 16.00
OHW (m): 22.00
Max Depth (m): 2.50

CHANNEL DESCRIPTION

Toe Width (m): 4.60
Span/Toe Ratio: 0.85

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 3.93
Rise (m): 4.20
Length (m): 38.39
Slope (%): 1.35
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.16
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0201

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: SE
Section: 17
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38853
Longitude: -123.72670
WA state plane south (NAD 27, feet)
East: 1,201,215
North: 765,896

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0097
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.45 miles north of the FS 2206/FS 2206.020 junction.

Site Comments:

Log jam downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/2/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.20
OHW (m): 9.20
Max Depth (m): 1.40

CHANNEL DESCRIPTION

Toe Width (m): 3.80
Span/Toe Ratio: 0.67

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.53
Rise (m): 2.80
Length (m): 26.20
Slope (%): 6.15
Bed Material: No
Outfall Drop (m): 1.30
WDIC (m): 0.13
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Notched log control approximately 10 meters upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0202

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2206
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39483
Longitude:	-123.71872
WA state plane south (NAD 27, feet)	
East:	1,203,283
North:	768,110

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 mile north of the FS 2206/FS 2206.020 junction.

Site Comments:

Steep stream gradient, possible gradient barrier.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.60
OHW (m)	4.90
Max Depth (m)	1.10

CHANNEL DESCRIPTION

Toe Width (m)	2.80
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.43
Rise (m)	1.63
Length (m)	41.35
Slope (%)	9.07
Bed Material	No
Outfall Drop (m)	0.95
WDIC (m)	0.04
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0203

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2206
County:	Grays Harbor
1/4 Section:	NW
Section:	16
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39864
Longitude:	-123.71414
WA state plane south (NAD 27, feet)	
East:	1,204,473
North:	769,454

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.35 miles north of the FS 2206/FS 2206.020 junction.

Site Comments:

Steep stream gradient, possible gradient barrier.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	3.80
Max Depth (m)	1.00

CHANNEL DESCRIPTION

Toe Width (m)	2.50
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.28
Rise (m)	1.46
Length (m)	30.65
Slope (%)	12.04
Bed Material	No
Outfall Drop (m)	1.40
WDIC (m)	0.30
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0204

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2206
County:	Grays Harbor
1/4 Section:	NW
Section:	16
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39911
Longitude:	-123.71293
WA state plane south (NAD 27, feet)	
East:	1,204,781
North:	769,612

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.45 miles north of the FS 2206/FS 2206.020 junction.

Site Comments:

Good mix of cobble, gravel and fines in stream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	3.80
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	2.60
Span/Toe Ratio	0.40

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.14
Length (m)	33.74
Slope (%)	9.04
Bed Material	No
Outfall Drop (m)	1.15
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0205

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36959
Longitude: -123.77704
WA state plane south (NAD 27, feet)
East: 1,188,467
North: 759,507

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Elk Cr 22.0115
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles northwest of the FS 2208/FS 2204 junction.

Site Comments:

Downstream of culvert the stream channel is scoured. High percentage of cobble in substrate.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.20
OHW (m): 6.10
Max Depth (m): 0.33

CHANNEL DESCRIPTION

Toe Width (m): 2.25
Span/Toe Ratio: 0.87

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.96
Rise (m): 1.96
Length (m): 17.07
Slope (%): 3.70
Bed Material: No
Outfall Drop (m): 1.78
WDIC (m): 0.02
Apron: No
Fill Depth (m): 5.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0206

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37472
Longitude: -123.77425
WA state plane south (NAD 27, feet)
East: 1,189,237
North: 761,347

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Elk Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0115
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles northwest of the FS 2208/FS 2204 junction.

Site Comments:

Series of small cascades upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.10
OHW (m): 4.45
Max Depth (m): 0.80

CHANNEL DESCRIPTION

Toe Width (m): 2.40
Span/Toe Ratio: 0.47

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.12
Rise (m): 1.30
Length (m): 14.90
Slope (%): 5.84
Bed Material: No
Outfall Drop (m): 0.57
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusting out on the bottom; water flowing beneath culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0207

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38837
Longitude: -123.76746
WA state plane south (NAD 27, feet)
East: 1,191,123
North: 766,253

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles north of the FS 2208/FS 2208.010 junction.

Site Comments:

Natural point barrier at downstream end of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.84
Rise (m): 1.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 3.60
WDIC (m): 0.04
Apron:
Fill Depth (m): 8.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0208

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39524
Longitude: -123.76432
WA state plane south (NAD 27, feet)
East: 1,192,004
North: 768,725

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0121
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters north of the FS 2208/FS 2208.015 junction.

Site Comments:

Slide downstream of culvert. Probable gradient barrier upstream and downstream..

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.40
Rise (m): 1.56
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.27
WDIC (m): 0.07
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0209

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39521
Longitude: -123.76465
WA state plane south (NAD 27, feet)
East: 1,191,922
North: 768,717

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters north of the FS 2208/FS 2208.015 junction.

Site Comments:

Natural point barrier 10 meters upstream. No habitat gain.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.44
Rise (m): 1.58
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:

Did not survey due to no gain for stream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0210

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: NE
Section: 12
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40863
Longitude: -123.75910
WA state plane south (NAD 27, feet)
East: 1,193,498
North: 773,551

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles north of the FS 2208/FS 2208.015 junction.

Site Comments:

Gradient barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.09
WDIC (m): 0.04
Apron:
Fill Depth (m): 6.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0211

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41518
Longitude: -123.74942
WA state plane south (NAD 27, feet)
East: 1,195,992
North: 775,840

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0123
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the FS 2208/FS 2208.040 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.20
OHW (m): 3.80
Max Depth (m): 0.57

CHANNEL DESCRIPTION

Toe Width (m): 2.10
Span/Toe Ratio: 0.69

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.45
Rise (m): 1.50
Length (m): 24.44
Slope (%): 18.00
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.07
Apron: No
Fill Depth (m): 7.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0212

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208.040
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42200
Longitude: -123.74629
WA state plane south (NAD 27, feet)
East: 1,196,868
North: 778,291

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0122
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is immediately south of the FS 2208.040/FS 2208.043 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.60
OHW (m): 8.00
Max Depth (m): 1.40

CHANNEL DESCRIPTION

Toe Width (m): 4.60
Span/Toe Ratio: 0.53

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.43
Rise (m): 2.70
Length (m): 37.63
Slope (%): 8.66
Bed Material: No
Outfall Drop (m): 1.53
WDIC (m): 0.10
Apron: No
Fill Depth (m): 11.00
Tidegate: No

Culvert Comments:

Culvert is beveled both ends.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0213

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2208
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42183
Longitude: -123.73895
WA state plane south (NAD 27, feet)
East: 1,198,682
North: 778,155

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0122
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the FS 2208/FS 2207 junction.

Site Comments:

Gradient barrier downstream. Natural point barrier 35 meters upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/3/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.90
Rise (m): 2.01
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.05
Apron:
Fill Depth (m): 1.75
Tidegate:

Culvert Comments:

Culvert is beveled on upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0214

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3610.5
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32600
Longitude: -123.79162
WA state plane south (NAD 27, feet)
East: 1,184,195
North: 743,771

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters southwest of the FS 22/3610.5 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0215

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3730 spur
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30359
Longitude: -123.77009
WA state plane south (NAD 27, feet)
East: 1,189,190
North: 735,383

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0088
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southwest of the 3730/spur junction. On fist westbound spur on the 3730, south of FS 22.

Site Comments:

OHW < 0.6 meters. No defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.66
Rise (m): 0.66
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron
Fill Depth (m): 1.80
Tidegate

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0216

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3730 spur
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30594
Longitude: -123.77319
WA state plane south (NAD 27, feet)
East: 1,188,459
North: 736,269

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0088
WRIA: 22.0000
Fish Use: No
FUP Criteria: Mapped

Location / Directions:

Water crossing is located near end of first westbound spur on the 3730, south of FS 22.

Site Comments:

OHW = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.26
WDIC (m): 0.02
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0217

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-400
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30758
Longitude: -123.77477
WA state plane south (NAD 27, feet)
East: 1,188,090
North: 736,883

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0088
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is immediately south of the DC-400/DC-410 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.30
OHW (m): 3.10
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 2.50
Span/Toe Ratio: 0.25

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m): 18.58
Slope (%): 1.94
Bed Material: No
Outfall Drop (m): 0.33
WDIC (m): 0.03
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Downstream side of road is washing out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0218

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-400
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30333
Longitude: -123.77796
WA state plane south (NAD 27, feet)
East: 1,187,237
North: 735,368

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0088
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles south of the DC-400/FS 22 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 2.60
OHW (m): 2.80
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m): 1.30
Span/Toe Ratio: 0.35

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m): 9.47
Slope (%): 5.07
Bed Material: No
Outfall Drop (m): 1.30
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Water flows out of pipe and onto logs.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0219

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-400
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30026
Longitude: -123.78268
WA state plane south (NAD 27, feet)
East: 1,186,019
North: 734,296

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0088
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile south of the FS 22/DC-400 junction.

Site Comments:

Stream channel consists of fine material.
Channel poorly defined. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0220

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-400
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29913
Longitude: -123.78352
WA state plane south (NAD 27, feet)
East: 1,185,794
North: 733,896

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0088
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.10 miles south of the FS 22/DC-400 junction.

Site Comments:

Substrate dominated by fine material with some gravel. OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0221

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29664
Longitude:	-123.78538
WA state plane south (NAD 27, feet)	
East:	1,185,294
North:	733,007

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0088
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is on unnamed road approximately 0.90 miles south of the FS 2269/FS 22 junction. Travel southwest on unnamed road approximately 1.25 miles to

Site Comments:

Substrate is dominated by fine material, with some cobble and gravel downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/4/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	1.30
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.42

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.40
Rise (m)	0.40
Length (m)	6.05
Slope (%)	2.48
Bed Material	No
Outfall Drop (m)	0.60
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0222

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: DC-400
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29626
Longitude: -123.78759
WA state plane south (NAD 27, feet)
East: 1,184,741
North: 732,889

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0088
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.35 miles south of the FS 22/DC-400 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%) 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m) 1.80
OHW (m) 1.40
Max Depth (m) 0.20

CHANNEL DESCRIPTION

Toe Width (m) 1.20
Span/Toe Ratio 0.78

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m) 0.93
Rise (m) 0.93
Length (m) 27.51
Slope (%) 2.80
Bed Material: No
Outfall Drop (m) 2.60
WDIC (m) 0.03
Apron: No
Fill Depth (m) 6.00
Tidegate: No

Culvert Comments:

Stream width was measured upstream. Fish passability is most likely near zero due to outfall.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0223

Fish Use: No

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Bascom Pacific Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28102
Longitude:	-123.77830
WA state plane south (NAD 27, feet)	
East:	1,186,814
North:	727,239

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Rock Cr 22.0086
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is on unnamed road approximately 0.90 miles southeast of the FS 2200/FS 2205 junction. Travel approximately 2.7 miles south down unnamed road to water

Site Comments:

OHW = 0.6 meters. Natural point barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	Bascom Pacific LLC
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/4/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	0.90
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	1.74

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.22
Rise (m)	1.28
Length (m)	17.87
Slope (%)	10.35
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

New culvert. Outfall onto rip-rap downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0224

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Bascom Pacific Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28110
Longitude:	-123.77794
WA state plane south (NAD 27, feet)	
East:	1,186,903
North:	727,266

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Rock Cr 22.0086
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is on unnamed road approximately 0.90 miles southeast of the FS 2200/FS 2205 junction. Travel approximately 2.75 miles south down unnamed road to water

Site Comments:

OHW = 0.6 meters. Natural point barrier downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Bascom Pacific LLC
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/4/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0225

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: R-1300
County: Grays Harbor
1/4 Section: SE
Section: 25
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27038
Longitude: -123.76719
WA state plane south (NAD 27, feet)
East: 1,189,407
North: 723,250

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Webfoot Cr 22..0085
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located near the southeast end of the R-1300. No Bascom Pacific map available.

Site Comments:

No stream channel downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Bascom Pacific LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.44
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0226

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: R-1400
County: Grays Harbor
1/4 Section: SE
Section: 25
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27633
Longitude: -123.76420
WA state plane south (NAD 27, feet)
East: 1,190,240
North: 725,385

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Webfoot Cr 22.0085
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

Site Comments:

OWNER

Name: Bascom Pacific LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.80
OHW (m): 3.70
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 2.14

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.39
Rise (m): 1.39
Length (m): 11.97
Slope (%): 0.25
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.35
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert looks recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0227

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: R-1100
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28424
Longitude: -123.76628
WA state plane south (NAD 27, feet)
East: 1,189,844
North: 728,292

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Rock Cr 22.0086
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: Bascom Pacific LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.20
OHW (m): 1.80
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 1.15

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.84
Rise (m): 1.84
Length (m): 12.00
Slope (%): -0.50
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.50
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Newly replaced culvert. Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0228

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: R-1100
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28398
Longitude: -123.76617
WA state plane south (NAD 27, feet)
East: 1,189,866
North: 728,195

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Rock Cr 22.0086
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Bascom Pacific LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/4/2003
Field Crew: Glore/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.30
OHW (m): 2.80
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 0.87

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.40
Rise (m): 1.40
Length (m): 11.88
Slope (%): 1.26
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.50
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Newly replaced culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0229

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3700.3
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29354
Longitude:	-123.76471
WA state plane south (NAD 27, feet)	
East:	1,190,372
North:	731,662

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.90 miles north of the 3700.3/3700.304 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/4/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.40
OHW (m)	1.30
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.78

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	7.52
Slope (%)	2.26
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0230

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:
County:
1/4 Section:
Section:
Township:
Range:

POSITIONAL DATA

WGS 84, decimal degrees
Latitude:
Longitude:
WA state plane south (NAD 27, feet)
East:
North:

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream:
Tributary To:
WRIA:
Fish Use:
FUP Criteria:

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name:
Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape:
Material:
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material:
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0231

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.020
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32483
Longitude: -123.74492
WA state plane south (NAD 27, feet)
East: 1,195,749
North: 742,863

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of the FS 2200.020/FS 22 junction.

Site Comments:

EF Humptulips River is 20 meters downstream. Debris jam on upstream end of the culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.17
OHW (m): 3.88
Max Depth (m): 0.59

CHANNEL DESCRIPTION

Toe Width (m): 2.14
Span/Toe Ratio: 0.57

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.21
Rise (m): 1.23
Length (m): 13.06
Slope (%): 1.91
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.06
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Barrier culvert #127H0138 is approximately 25m upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0232

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.020
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32456
Longitude: -123.74287
WA state plane south (NAD 27, feet)
East: 1,196,252
North: 742,746

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southwest of the FS 22/FS 2200.020 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron:
Fill Depth (m): 1.40
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0233

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2210
County: Grays Harbor
1/4 Section: NE
Section: 8
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32971
Longitude: -123.72438
WA state plane south (NAD 27, feet)
East: 1,200,911
North: 744,433

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the FS 2210/FS 22 junction.

Site Comments:

Gradient barrier upstream of culvert. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.75
WDIC (m): 0.01
Apron:
Fill Depth (m): 1.20
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0234

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2210
County: Grays Harbor
1/4 Section: NE
Section: 8
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32833
Longitude: -123.72459
WA state plane south (NAD 27, feet)
East: 1,200,840
North: 743,935

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southeast of the FS 2210/FS 22 junction.

Site Comments:

Gradient barrier upstream and downstream of culvert. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.62
Rise (m): 0.59
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0235

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2210
County: Grays Harbor
1/4 Section: NW
Section: 9
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32845
Longitude: -123.71710
WA state plane south (NAD 27, feet)
East: 1,202,696
North: 743,902

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0090
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles southeast of the FS 2210/FS 22 junction.

Site Comments:

Mapped as a type 3 stream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.86
OHW (m): 7.10
Max Depth (m): 1.30

CHANNEL DESCRIPTION

Toe Width (m): 3.16
Span/Toe Ratio: 0.61

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.92
Rise (m): 2.20
Length (m): 15.73
Slope (%): 2.99
Bed Material: No
Outfall Drop (m): 0.42
WDIC (m): 0.11
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Culvert is beveled both ends. Aluminum tag at upstream end of culvert: OSN, 7.17.98, reach #2, unnamed stream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0236

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2210
County: Grays Harbor
1/4 Section: NW
Section: 9
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32803
Longitude: -123.71223
WA state plane south (NAD 27, feet)
East: 1,203,898
North: 743,698

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0090
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the FS 2210/FS 2210.015 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.10
OHW (m): 5.12
Max Depth (m): 0.44

CHANNEL DESCRIPTION

Toe Width (m): 1.15
Span/Toe Ratio: 0.77

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.88
Rise (m): 0.92
Length (m): 18.29
Slope (%): 6.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.23
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0237

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2210
County:	Grays Harbor
1/4 Section:	NW
Section:	9
Township:	21N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32796
Longitude:	-123.71346
WA state plane south (NAD 27, feet)	
East:	1,203,592
North:	743,687

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0090
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the FS 2210/FS 2210.015 junction.

Site Comments:

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/8/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.35
OHW (m)	1.15
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	0.42

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.38
Rise (m)	0.38
Length (m)	28.55
Slope (%)	4.90
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0238

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2210
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32361
Longitude: -123.70471
WA state plane south (NAD 27, feet)
East: 1,205,696
North: 742,013

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0090
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the FS 2210/FS 22 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.64
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0239

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2210
County: Grays Harbor
1/4 Section: NE
Section: 17
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31541
Longitude: -123.71889
WA state plane south (NAD 27, feet)
East: 1,202,060
North: 739,167

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles west of the FS 2210/FS 2210.044 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron:
Fill Depth (m): 3.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0240

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2210
County: Grays Harbor
1/4 Section: NE
Section: 17
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31588
Longitude: -123.72243
WA state plane south (NAD 27, feet)
East: 1,201,188
North: 739,373

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles east of the FS 2210/FS 2210.044 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m): 0.01
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0241

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38102
Longitude: -123.72721
WA state plane south (NAD 27, feet)
East: 1,200,975
North: 763,162

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.90 miles north of the FS 2206/FS 2206.020 junction.

Site Comments:

4 meter high natural point barrier 20 meters downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.51
Rise (m): 1.51
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.54
WDIC (m): 0.06
Apron:
Fill Depth (m): 1.00
Tidegate:

Culvert Comments:

Newly replaced culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0242

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2206
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38327
Longitude: -123.72670
WA state plane south (NAD 27, feet)
East: 1,201,136
North: 763,978

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.05 miles north of the FS 2206/FS 2206.020 junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.16
OHW (m): 3.55
Max Depth (m): 0.42

CHANNEL DESCRIPTION

Toe Width (m): 2.10
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.10
Rise (m): 1.29
Length (m): 15.47
Slope (%): 3.36
Bed Material: No
Outfall Drop (m): 0.53
WDIC (m): 0.04
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0243

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	2281
County:	Grays Harbor
1/4 Section:	SW
Section:	10
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.40639
Longitude:	-123.68810
WA state plane south (NAD 27, feet)	
East:	1,211,032
North:	772,014

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the FS 2281/2281.300 junction.

Site Comments:

Gradient barrier downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/9/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.66
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0244

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39867
Longitude: -123.69414
WA state plane south (NAD 27, feet)
East: 1,209,422
North: 769,263

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles southwest of the FS 2281/FS 2281.300 junction.

Site Comments:

Gradient barrier upstream and downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/9/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.48
Rise (m): 1.56
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0245

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39711
Longitude: -123.69684
WA state plane south (NAD 27, feet)
East: 1,208,732
North: 768,721

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile southwest of the FS 2281/FS 2281.300 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

Gradient barrier upstream and downstream of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/9/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.44
Rise (m): 0.44
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.70
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0246

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: SE
Section: 16
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39425
Longitude: -123.69801
WA state plane south (NAD 27, feet)
East: 1,208,400
North: 767,689

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles southwest of the FS 2281/FS 2281.300 junction.

Site Comments:

Gradient barrier upstream and downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/9/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.04
Rise (m): 0.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.01
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0247

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3000
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24040
Longitude: -123.85071
WA state plane south (NAD 27, feet)
East: 1,168,226
North: 713,193

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles west of the 3000/3250 junction.

Site Comments:

Natural point barrier 30 meters downstream. Wetland upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/9/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.56
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0248

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Bowes Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19782
Longitude:	-123.95387
WA state plane south (NAD 27, feet)	
East:	1,141,945
North:	698,784

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters east of the Bowes Rd/US 101 junction.

Site Comments:

Upstream channel excavated. No gravel in substrate, only fines.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/9/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.80

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.57
Length (m)	13.28
Slope (%)	3.46
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.17
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Approximately 3 meters upstream of site is a second culvert. Downstream channel is scoured.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0249

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Bowes Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19782
Longitude:	-123.95398
WA state plane south (NAD 27, feet)	
East:	1,141,919
North:	698,785

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters east of the Bowes Rd/US 101 junction. Upstream 2 meters of site #127H0248.

Site Comments:

No stream channel upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/9/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.90
OHW (m)	2.50
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	1.18

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.93
Length (m)	11.02
Slope (%)	2.36
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Drains into downstream culvert #127H0248.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0250

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8000
County: Grays Harbor
1/4 Section: SW
Section: 35
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26389
Longitude: -123.92632
WA state plane south (NAD 27, feet)
East: 1,149,836
North: 722,558

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: WF Stevens Cr
Tributary To: Stevens Cr 22.0064
WRIA: 22.0071
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles southwest of the 8000/US 101 junction.

Site Comments:

Wetland habitat upstream. Stream dry at time of sampled.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/10/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 10.20
OHW (m): 10.10
Max Depth (m): 1.02

CHANNEL DESCRIPTION

Toe Width (m): 2.30
Span/Toe Ratio: 1.30

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.48
Rise (m): 1.52
Length (m): 12.23
Slope (%): 1.20
Bed Material: No
Outfall Drop (m): 0.76
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 2.2 is rusted out on the bottom downstream. Culvert is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0250

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.51
Rise (m)	1.49
Length (m)	11.99
Slope (%)	0.58
Bed Material	No
Outfall Drop (m)	0.75
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 1.2 is rusted out on the bottom of the downstream end for 1.70m. Culvert is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0251

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Walker Rd
County: Grays Harbor
1/4 Section: NW
Section: 36
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18659
Longitude: -123.99570
WA state plane south (NAD 27, feet)
East: 1,131,377
North: 695,149

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Mopang Cr 22.0044
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.60 miles west of the Sudderth Rd/Walker Rd junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/10/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.20
OHW (m): 5.20
Max Depth (m): 1.04

CHANNEL DESCRIPTION

Toe Width (m): 2.50
Span/Toe Ratio: 0.50

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PCC
Span (m): 0.62
Rise (m): 0.62
Length (m): 16.27
Slope (%): 1.80
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0251

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.62
Rise (m)	0.62
Length (m)	16.14
Slope (%)	0.19
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 1.2 fails from slope, culvert 2.2 fails for outfall. Culvert 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0252

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5250
County:	Grays Harbor
1/4 Section:	SW
Section:	36
Township:	29N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08442
Longitude:	-123.99247
WA state plane south (NAD 27, feet)	
East:	1,130,529
North:	657,885

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	Chenois Cr
Tributary To:	Grays Harbor
WRIA:	22.0132
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is immediately northwest of the 5250/5250.2 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☒ Chinook
- ☒ Coho
- ☐ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/10/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	2.00
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	0.58

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.94
Length (m)	19.10
Slope (%)	0.37
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.10
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0253

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5257
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07780
Longitude: -123.99804
WA state plane south (NAD 27, feet)
East: 1,129,036
North: 655,533

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Chenois Cr
Tributary To: Grays Harbor
WRIA: 22.0132
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 5257/5250 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/10/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 9.40
OHW (m): 2.50
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 1.06

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.95
Rise (m): 0.95
Length (m): 12.78
Slope (%): 0.47
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 1.2 is on left bank, possibly an overflow culvert. Bottom of culvert 1.2 is on the top of culvert 2.2.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0253

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.95
Rise (m)	0.95
Length (m)	12.95
Slope (%)	2.55
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.16
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0254

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5236
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07716
Longitude: -123.99961
WA state plane south (NAD 27, feet)
East: 1,128,634
North: 655,319

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 100 meters south of the 5236/5257 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/10/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.50
OHW (m): 1.40
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 1.18

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.94
Rise (m): 0.94
Length (m): 14.07
Slope (%): 1.56
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0255

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5250
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.07352
Longitude:	-123.99706
WA state plane south (NAD 27, feet)	
East:	1,129,210
North:	653,964

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Chenois Cr
Tributary To:	Grays Harbor
WRIA:	22.0132
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 5250/5240 junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/10/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	8.74
Slope (%)	1.60
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.05
Apron	
Fill Depth (m)	1.00
Tidegate	

Culvert Comments:

Unable to obtain plunge pool and stream width measurement due to wetland habitat upstream, and tributary influence downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0256

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5250
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07098
Longitude: -123.99868
WA state plane south (NAD 27, feet)
East: 1,128,765
North: 653,056

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters south of the 5250/5240 junction.

Site Comments:

OHW = 0.60 meters upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/10/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.30
OHW (m): 1.20
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.50
Span/Toe Ratio: 1.20

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.65
Length (m): 10.39
Slope (%): 3.40
Bed Material: No
Outfall Drop (m): 0.22
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0257

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5250
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05946
Longitude: -123.99866
WA state plane south (NAD 27, feet)
East: 1,128,585
North: 648,857

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles north of the 5250/Ocean Beach Road junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/10/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0258

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5250
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06169
Longitude:	-123.99847
WA state plane south (NAD 27, feet)	
East:	1,128,667
North:	649,670

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the 5250/Ocean Beach Road junction.

Site Comments:

Perennial plants growing in stream channel.
OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/10/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.33
Rise (m)	0.33
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0259

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5250
County:	Grays Harbor
1/4 Section:	SW
Section:	25
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.10331
Longitude:	-123.99452
WA state plane south (NAD 27, feet)	
East:	1,130,323
North:	664,790

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Deep Cr 22.0021
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 5250/5251 junction.

Site Comments:

Survey stake at site "5250, #5680, 4.163".

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/10/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	0.70
OHW (m)	0.90
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.69

POTENTIAL HABITAT GAIN

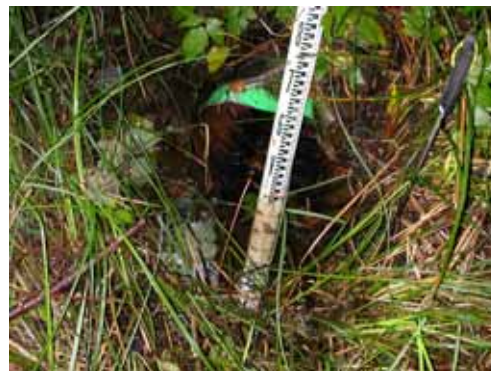
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.48
Length (m)	16.83
Slope (%)	4.46
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Both ends of culvert are deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0260

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: NE
Section: 14
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30702
Longitude: -123.78817
WA state plane south (NAD 27, feet)
East: 1,184,760
North: 736,818

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located on gravel road at mile 9.7 of FS 22, water crossing is approximately 0.90 miles south of unnamed road/FS 22 junction.

Site Comments:

OHW = 0.55 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.36
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert is deformed at upstream end. Some wetland influence upstream of culvert. Downstream of culvert rip rap placed around culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0261

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30968
Longitude:	-123.78481
WA state plane south (NAD 27, feet)	
East:	1,185,634
North:	737,753

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0110
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located on gravel road at mile 9.7 of FS 22, water crossing is approximately 0.55 miles south of unnamed road/FS 22 junction.

Site Comments:

Subsurface flow immediately downstream of plunge pool. Beaver influence creates ponds upstream and downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	FBJ Trust Forests LLC
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/15/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.01
OHW (m)	2.73
Max Depth (m)	0.58

CHANNEL DESCRIPTION

Toe Width (m)	0.67
Span/Toe Ratio	0.84

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.56
Rise (m)	0.63
Length (m)	9.49
Slope (%)	1.75
Bed Material	No
Outfall Drop (m)	0.53
WDIC (m)	0.05
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Upstream end of culvert is bent upwards.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0262

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31174
Longitude: -123.80406
WA state plane south (NAD 27, feet)
East: 1,180,895
North: 738,701

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0106
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 3600/3600.3 junction.

Site Comments:

OHW = 0.3 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.25
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0263

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31206
Longitude: -123.80484
WA state plane south (NAD 27, feet)
East: 1,180,707
North: 738,829

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0106
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 3600/3600.3 junction.

Site Comments:

OHW = 0.25 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.23
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0264

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31465
Longitude: -123.81101
WA state plane south (NAD 27, feet)
East: 1,179,217
North: 739,837

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0110
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 3600/3600.1 junction.

Site Comments:

Beaver dam with pond upstream. Stream drains into the upper reaches of Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.09
OHW (m): 1.81
Max Depth (m): 0.44

CHANNEL DESCRIPTION

Toe Width (m): 1.25
Span/Toe Ratio: 0.73

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m): 10.69
Slope (%): 1.30
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0265

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3602
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31849
Longitude: -123.81055
WA state plane south (NAD 27, feet)
East: 1,179,389
North: 741,230

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 40 meters west of the 3602/3600 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.74
Rise (m): 0.79
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.16
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0266

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3602
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31884
Longitude: -123.81178
WA state plane south (NAD 27, feet)
East: 1,179,089
North: 741,372

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles northwest of the 3600/3602 junction.

Site Comments:

OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.02
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0267

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3602
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31964
Longitude: -123.81252
WA state plane south (NAD 27, feet)
East: 1,178,918
North: 741,669

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Donkey Cr 22.0108
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles northwest of the 3600/3602 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Donkey Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.43
OHW (m): 0.96
Max Depth (m): 0.16

CHANNEL DESCRIPTION

Toe Width (m): 0.82
Span/Toe Ratio: 0.91

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.76
Length (m): 10.47
Slope (%): 2.96
Bed Material: No
Outfall Drop (m): 0.11
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0268

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600.1
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31171
Longitude: -123.81320
WA state plane south (NAD 27, feet)
East: 1,178,629
North: 738,785

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0106
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the 3600/3600.1 junction.

Site Comments:

Poorly defined stream channel. Some wetland plants upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 0.65
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0269

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600.1
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30991
Longitude: -123.81241
WA state plane south (NAD 27, feet)
East: 1,178,798
North: 738,122

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0106
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles south of the 3600/3600.1 junction.

Site Comments:

OHW < 0.6 meters. No discernable stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.55
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0270

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3600.1
County:	Grays Harbor
1/4 Section:	NW
Section:	15
Township:	15N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30828
Longitude:	-123.81108
WA state plane south (NAD 27, feet)	
East:	1,179,101
North:	737,515

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0106
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles south of the 3600/3600.1 junction.

Site Comments:

Wetland habitat downstream of culvert, stream looks undisturbed upstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/15/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	0.85
OHW (m)	1.20
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.61
Span/Toe Ratio	1.02

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.61
Length (m)	9.02
Slope (%)	4.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0271

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600.1
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30769
Longitude: -123.81046
WA state plane south (NAD 27, feet)
East: 1,179,246
North: 737,292

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0106
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles south of the 3600/3600.1 junction.

Site Comments:

Wetland vegetation downstream of culvert. Culvert is primarily ditch drainage upstream of culvert. OHW = 0.35 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

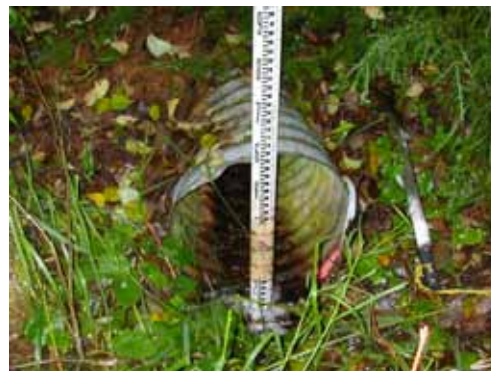
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.44
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.03
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0272

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600.1
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31051
Longitude: -123.81344
WA state plane south (NAD 27, feet)
East: 1,178,550
North: 738,351

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0106
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of the 3600/3600.1 junction.

Site Comments:

Perennials growing throughout channel upstream and downstream. No discernable stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0273

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3600.3
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31444
Longitude: -123.80568
WA state plane south (NAD 27, feet)
East: 1,180,534
North: 739,702

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0110
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the 3600.3/3600.32 junction.

Site Comments:

OHW < 0.6 meters. No discernable channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0274

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26971
Longitude: -123.83678
WA state plane south (NAD 27, feet)
East: 1,172,137
North: 723,728

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Furlough Cr 22.0102
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

Site Comments:

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/16/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 0.90
OHW (m): 2.15
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.55
Span/Toe Ratio: 0.98

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.52
Rise (m): 1.46
Length (m): 28.83
Slope (%): 1.32
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.23
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Culvert recently replaced, recheck for streambed in culvert at later date.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0275

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26951
Longitude: -123.82808
WA state plane south (NAD 27, feet)
East: 1,174,292
North: 723,563

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Furlough Cr 22.0102
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

Site Comments:

OHW < 0.6 meters. Immediately downstream of culvert, the tributary feeds directly into a fish bearing stream. No channel upstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/16/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.35
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0276

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3500
County:	Grays Harbor
1/4 Section:	NE
Section:	33
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.27069
Longitude:	-123.82325
WA state plane south (NAD 27, feet)	
East:	1,175,507
North:	723,942

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Furlough Cr 22.0102
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

Quarry upstream of site on left bank.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☐ Steelhead

OWNER

Name:	FBJ Trust Forests LLC
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/16/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.65
OHW (m)	1.90
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	0.40

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.58
Length (m)	9.10
Slope (%)	1.76
Bed Material	No
Outfall Drop (m)	0.47
WDIC (m)	0.15
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0277

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3500
County:	Grays Harbor
1/4 Section:	NE
Section:	33
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.27038
Longitude:	-123.82304
WA state plane south (NAD 27, feet)	
East:	1,175,555
North:	723,827

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Furlough Cr
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0102
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	FBJ Trust Forests LLC
Type:	Private

Site Comments:

3 meters downstream of culvert, tributary from site #127H0276 enters right bank of stream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/16/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.05
OHW (m)	3.75
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	3.75
Span/Toe Ratio	0.77

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	2.88
Rise (m)	1.91
Length (m)	8.88
Slope (%)	0.11
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.24
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0278

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26941
Longitude: -123.82321
WA state plane south (NAD 27, feet)
East: 1,175,498
North: 723,475

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Furlough Cr 22.0102
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW = 0.3 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/16/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.43
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.03
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0279

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26811
Longitude: -123.82427
WA state plane south (NAD 27, feet)
East: 1,175,214
North: 723,013

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Furlough Cr 22.0102
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

Gradient of stream > 0.25%. No stream channel upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/16/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.31
Rise (m): 0.33
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0280

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27121
Longitude: -123.84022
WA state plane south (NAD 27, feet)
East: 1,171,307
North: 724,310

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Furlough Cr 22.0102
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/16/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.33
Rise (m): 0.33
Length (m):
Slope (%):
Bed Material: Unk
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0281

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27035
Longitude: -123.83801
WA state plane south (NAD 27, feet)
East: 1,171,841
North: 723,972

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Furlough Cr 22.0102
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

Site Comments:

Stream is a ditch drainage that flows into a fish bearing stream. Stream has wetland qualities.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/16/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.05
OHW (m): 0.50
Max Depth (m): 0.21

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.33
Rise (m): 0.33
Length (m): 14.48
Slope (%): 4.97
Bed Material: No
Outfall Drop (m): 0.18
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.10
Tidegate: No

Culvert Comments:

Unable to obtain stream width due to wetland habitat.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0282

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500.2
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27363
Longitude: -123.85023
WA state plane south (NAD 27, feet)
East: 1,168,860
North: 725,299

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles southeast of the 3500.2/3500.202 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Culvert was surveyed during storm event.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/20/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.45
OHW (m): 2.10
Max Depth (m): 0.64

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 1.23

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m): 10.90
Slope (%): 5.96
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.29
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0283

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3500.222
County:	Grays Harbor
1/4 Section:	NW
Section:	32
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.26737
Longitude:	-123.85977
WA state plane south (NAD 27, feet)	
East:	1,166,398
North:	723,116

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Furlough Cr 22.0102
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the 3500.222/3500.22 junction.

Site Comments:

Upstream end of culvert is dugout with rip rap.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/20/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.25
OHW (m)	4.14
Max Depth (m)	0.61

CHANNEL DESCRIPTION

Toe Width (m)	1.13
Span/Toe Ratio	1.38

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.56
Rise (m)	1.46
Length (m)	11.97
Slope (%)	1.34
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.69
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0284

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500.2
County: Grays Harbor
1/4 Section: SW
Section: 29
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27378
Longitude: -123.85494
WA state plane south (NAD 27, feet)
East: 1,167,696
North: 725,401

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is immediately south of the 3500.2/3500.202 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Stream is choked with debris upstream and downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/20/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.70
OHW (m): 4.33
Max Depth (m): 1.60

CHANNEL DESCRIPTION

Toe Width (m): 1.50
Span/Toe Ratio: 0.89

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.33
Rise (m): 1.42
Length (m): 13.16
Slope (%): 1.44
Bed Material: No
Outfall Drop (m): 0.52
WDIC (m): 0.36
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Stream feature measurements taken during storm event.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0285

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500.01
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27680
Longitude: -123.84805
WA state plane south (NAD 27, feet)
East: 1,169,451
North: 726,431

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 3500.01/3500.012 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.91
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m):
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0286

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3500.99
County:	Grays Harbor
1/4 Section:	NW
Section:	28
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28313
Longitude:	-123.84010
WA state plane south (NAD 27, feet)	
East:	1,171,521
North:	728,652

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Jones Cr 22.0105
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☐ Coho
- ☐ Brown Trout
- ☒ Steelhead

OWNER

Name:	FBJ Trust Forests LLC
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/23/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.30
OHW (m)	1.15
Max Depth (m)	0.26

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	1.88

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.22
Rise (m)	1.25
Length (m)	12.00
Slope (%)	0.00
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0287

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3500.99
County:	Grays Harbor
1/4 Section:	NW
Section:	28
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28340
Longitude:	-123.83989
WA state plane south (NAD 27, feet)	
East:	1,171,577
North:	728,748

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	Jones Cr
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0105
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	FBJ Trust Forests LLC
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/23/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	4.10
Max Depth (m)	0.70

CHANNEL DESCRIPTION

Toe Width (m)	3.30
Span/Toe Ratio	0.88

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	2.89
Rise (m)	1.93
Length (m)	12.31
Slope (%)	-0.16
Bed Material	No
Outfall Drop (m)	0.27
WDIC (m)	0.19
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0288

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500.99
County: Grays Harbor
1/4 Section: SW
Section: 21
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28688
Longitude: -123.83934
WA state plane south (NAD 27, feet)
East: 1,171,766
North: 730,013

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.31
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0289

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500.99
County: Grays Harbor
1/4 Section: SW
Section: 21
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28841
Longitude: -123.83907
WA state plane south (NAD 27, feet)
East: 1,171,858
North: 730,567

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

Site Comments:

Gradient barrier downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m):
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0290

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500.99
County: Grays Harbor
1/4 Section: SW
Section: 21
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29162
Longitude: -123.83779
WA state plane south (NAD 27, feet)
East: 1,172,224
North: 731,721

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

Stream flows subsurface then enters a wetland. Unable to obtain OHW measurements.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.40
OHW (m): 1.60
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.48
Length (m): 12.20
Slope (%): 2.95
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0291

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3500.99
County: Grays Harbor
1/4 Section: SW
Section: 21
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29034
Longitude: -123.83869
WA state plane south (NAD 27, feet)
East: 1,171,981
North: 731,265

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW = 0.35 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: FBJ Trust Forests LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.35
Rise (m): 0.26
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.22
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Very little flow upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0292

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1480
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26567
Longitude: -123.81732
WA state plane south (NAD 27, feet)
East: 1,176,901
North: 722,052

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0082
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW < 0.60 meters. No stream channel upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0293

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1480
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26631
Longitude: -123.81661
WA state plane south (NAD 27, feet)
East: 1,177,087
North: 722,278

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0082
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW < 0.60 meters. Poorly defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m):
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0294

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2480
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26672
Longitude: -123.81636
WA state plane south (NAD 27, feet)
East: 1,177,156
North: 722,424

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0082
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW < 0.60 meters. Poorly defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.35
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0295

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2480
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26720
Longitude: -123.81553
WA state plane south (NAD 27, feet)
East: 1,177,369
North: 722,589

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0082
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW = 0.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.94
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0296

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2480
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26732
Longitude: -123.81422
WA state plane south (NAD 27, feet)
East: 1,177,696
North: 722,620

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0082
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW = 0.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.05
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0297

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2480
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26473
Longitude: -123.81155
WA state plane south (NAD 27, feet)
East: 1,178,318
North: 721,648

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0082
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW = 0.30 meters. Stream flows subsurface upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

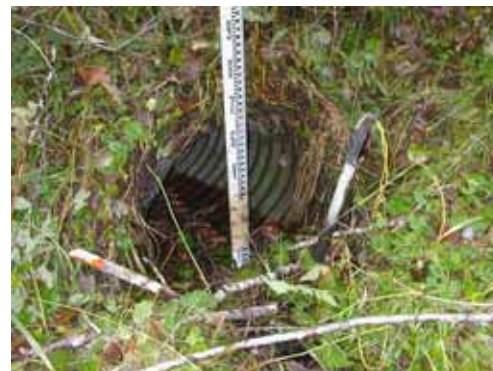
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0298

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2480
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26438
Longitude: -123.81112
WA state plane south (NAD 27, feet)
East: 1,178,420
North: 721,515

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0082
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: Cameron, Richard W ET AL
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.30
OHW (m): 2.85
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 1.30
Span/Toe Ratio: 1.69

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.30
Rise (m): 1.30
Length (m): 21.68
Slope (%): -5.67
Bed Material: No
Outfall Drop (m): 2.20
WDIC (m): 0.07
Apron: No
Fill Depth (m): 6.50
Tidegate: No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0299

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2480
County: Grays Harbor
1/4 Section: NE
Section: 34
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26420
Longitude: -123.80352
WA state plane south (NAD 27, feet)
East: 1,180,303
North: 721,373

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/23/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 1.35
Max Depth (m): 0.22

CHANNEL DESCRIPTION

Toe Width (m): 1.55
Span/Toe Ratio: 0.79

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.23
Rise (m): 1.23
Length (m): 14.89
Slope (%): 11.08
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

2 meter section added on to upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0300

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1000 or 2924
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25220
Longitude: -123.83042
WA state plane south (NAD 27, feet)
East: 1,173,443
North: 717,279

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located 40 meters west of the 2924/3700 junction, beyond locked gate. Junction is 0.75 miles northeast of the EF Humptulips bridge.

Site Comments:

Stream flows down narrow gully with high gradient.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/27/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.32
OHW (m): 3.12
Max Depth (m): 0.54

CHANNEL DESCRIPTION

Toe Width (m): 1.75
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.92
Length (m): 15.57
Slope (%): 5.84
Bed Material: No
Outfall Drop (m): 0.84
WDIC (m): 0.10
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0301

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3250.12
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23285
Longitude: -123.86335
WA state plane south (NAD 27, feet)
East: 1,164,974
North: 710,576

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Brittain Cr 22.0079
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles west of the 3250.12/3250.121 junction.

Site Comments:

Small wetlands upstream and downstream.
Unable to obtain stream width measurements.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/27/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.52
Rise (m): 0.34
Length (m): 7.42
Slope (%): -1.08
Bed Material: No
Outfall Drop (m): 0.17
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.40
Tidegate: No

Culvert Comments:

Wetlands upstream and downstream obscure plunge pool and stream width measurements.
Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0302

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3250
County:	Grays Harbor
1/4 Section:	SW
Section:	7
Township:	20N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23416
Longitude:	-123.84967
WA state plane south (NAD 27, feet)	
East:	1,168,389
North:	710,909

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0076
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.75 miles south of the 3250/3700 junction.

Site Comments:

Wetland influence upstream and downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/27/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.79
OHW (m)	3.26
Max Depth (m)	0.60

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.22
Rise (m)	1.20
Length (m)	14.30
Slope (%)	0.42
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0303

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3250
County:	Grays Harbor
1/4 Section:	SE
Section:	7
Township:	20N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23160
Longitude:	-123.84271
WA state plane south (NAD 27, feet)	
East:	1,170,077
North:	709,903

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0076
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 1.10 miles south of the 3700/3250 junction.

Site Comments:

Wetland upstream of culvert. Site survey stake (3250, #4101, 0.643).

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/27/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	5.00
OHW (m)	1.20
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.13
Span/Toe Ratio	0.93

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.05
Length (m)	14.67
Slope (%)	-0.27
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

Culvert is slope inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0304

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3252.4
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22159
Longitude: -123.85577
WA state plane south (NAD 27, feet)
East: 1,166,679
North: 706,391

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0078
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles southwest of the 3252.4/3252 junction.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.60
WDIC (m):
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0305

Fish Use: Unk

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3200
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22437
Longitude: -123.83783
WA state plane south (NAD 27, feet)
East: 1,171,177
North: 707,215

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0078
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 3200/3250 junction.

Site Comments:

Puncheon with no measurable features.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0306

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3200
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22295
Longitude: -123.83861
WA state plane south (NAD 27, feet)
East: 1,170,960
North: 706,705

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0078
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the 3200/3250 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/28/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 9.15
OHW (m): 3.50
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 0.45

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.25
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Unable to complete Level A sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0307

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3200
County:	Grays Harbor
1/4 Section:	NE
Section:	18
Township:	20N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22127
Longitude:	-123.84030
WA state plane south (NAD 27, feet)	
East:	1,170,516
North:	706,113

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0078
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of the 3200/3250 junction.

Site Comments:

Wetland upstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/28/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	2.40
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.45

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.65
Length (m)	16.32
Slope (%)	4.41
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.14
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0308

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3200
County:	Grays Harbor
1/4 Section:	NE
Section:	18
Township:	20N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22069
Longitude:	-123.84132
WA state plane south (NAD 27, feet)	
East:	1,170,253
North:	705,912

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0078
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles south of the 3200/3250 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/28/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.20
OHW (m)	2.40
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.81

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.65
Rise (m)	0.66
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Upstream end of culvert is buried under sediment, unable to complete Level A sample. Water is flowing through the road fill.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0309

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3200.001
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21714
Longitude: -123.85912
WA state plane south (NAD 27, feet)
East: 1,165,778
North: 704,806

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0078
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles west of the 3200/3200.001 junction.

Site Comments:

No stream channel. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/28/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m):
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0310

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3200
County:	Grays Harbor
1/4 Section:	NE
Section:	35
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18123
Longitude:	-123.88108
WA state plane south (NAD 27, feet)	
East:	1,159,765
North:	691,954

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.55 miles north of the 3200/US 101 junction.

Site Comments:

Ditch drainage. OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/28/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.48
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0311

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Waterhole Rd
County: Grays Harbor
1/4 Section: NE
Section: 35
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17969
Longitude: -123.88116
WA state plane south (NAD 27, feet)
East: 1,159,721
North: 691,394

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the 3200/Waterhole Rd junction.

Site Comments:

Small pond formed upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/28/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.60
OHW (m): 3.70
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 1.75
Span/Toe Ratio: 0.72

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.26
Rise (m): 1.26
Length (m): 11.33
Slope (%): 1.32
Bed Material: No
Outfall Drop (m): 0.08
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:

Debris jam at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0312

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Larson Brothers Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14458
Longitude:	-123.88788
WA state plane south (NAD 27, feet)	
East:	1,157,501
North:	678,671

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	SF Big Cr 22.0058
WRIA:	22.0059
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters east of the Larsen Brothers Rd/US 101 junction.

Site Comments:

Beaver activity present upstream of site.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/28/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	6.80
OHW (m)	5.20
Max Depth (m)	0.70

CHANNEL DESCRIPTION

Toe Width (m)	1.80
Span/Toe Ratio	0.66

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.19
Rise (m)	1.18
Length (m)	12.58
Slope (%)	1.51
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Beaver dam upstream of culvert forms a pond.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0313

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 2921
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14430
Longitude: -123.88828
WA state plane south (NAD 27, feet)
East: 1,157,397
North: 678,572

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr 22.0058
WRIA: 22.0060
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is on the south side of the 2921/Larsen Brothers Rd junction.

Site Comments:

Beaver pond downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/1/2803
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.70
OHW (m): 1.05
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.55
Span/Toe Ratio: 0.73

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.13
Rise (m): 1.17
Length (m): 11.91
Slope (%): -0.92
Bed Material: No
Outfall Drop (m): 0.11
WDIC (m): 0.11
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0314

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Larson Brothers Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14401
Longitude: -123.87164
WA state plane south (NAD 27, feet)
East: 1,161,531
North: 678,289

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr 22.0058
WRIA: 22.0061
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.85 miles east of the US 101/Larsens Brothers Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/28/2003
Field Crew: Gloire/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.80
OHW (m): 2.05
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.90
Span/Toe Ratio: 0.64

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.21
Rise (m): 0.93
Length (m): 15.13
Slope (%): -0.26
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.27
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert is sloped inversely. Level B completed on 2/01/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0315

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Larsen Brothers Rd
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14443
Longitude: -123.87557
WA state plane south (NAD 27, feet)
East: 1,160,560
North: 678,485

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0061
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.70 miles east of the US 101/Larsen Brothers Rd junction.

Site Comments:

Spawning salmon observed downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Gloire/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.51
OHW (m): 3.20
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.52
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.73
Rise (m): 0.76
Length (m): 18.77
Slope (%): 0.96
Bed Material: No
Outfall Drop (m): 0.11
WDIC (m): 0.10
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Level B completed on 2/01/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0316

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5302
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 19N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15030
Longitude: -123.85634
WA state plane south (NAD 27, feet)
East: 1,165,431
North: 680,420

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr 22.0058
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles south of the 5302/Youmans Rd junction.

Site Comments:

OHW < 0.6 meters. Stream drains wetland area.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.30
Rise (m): 0.30
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Culvert is submerged on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0317

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5302
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 19N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14803
Longitude: -123.85489
WA state plane south (NAD 27, feet)
East: 1,165,757
North: 679,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr 22.0058
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles southeast of the 5302/Youmans Rd junction.

Site Comments:

Wetland habitat upstream and downstream of culvert. Intermittent subsurface flow downstream. Undefined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.30
Rise (m): 0.30
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0318

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5302.2
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 19N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14022
Longitude: -123.85283
WA state plane south (NAD 27, feet)
East: 1,166,148
North: 676,708

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr 22.0058
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 5302.2/5302 junction.

Site Comments:

Wetland influence upstream and downstream.
Survey stake at site "5302.2, #4763, 0.056".

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Glore/Lutz
Barrier: No
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

Length (m): 0.85
OHW (m): 0.20
Max Depth (m): 0.95

CHANNEL DESCRIPTION

Toe Width (m): 1.14
Span/Toe Ratio: 0.75

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.86
Rise (m): 0.90
Length (m): 11.87
Slope (%): 0.08
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.26
Apron: No
Fill Depth (m): 0.65
Tidegate: No

Culvert Comments:

Level B completed on 2/01/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0319

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5302
County:	Grays Harbor
1/4 Section:	NW
Section:	18
Township:	19N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13770
Longitude:	-123.85099
WA state plane south (NAD 27, feet)	
East:	1,166,566
North:	675,773

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	SF Big Cr 22.0058
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.60 miles south of the 5302/ Youmans Rd junction.

Site Comments:

Stream channel appears to be excavated.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/29/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.50
OHW (m)	2.60
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.59
Rise (m)	0.60
Length (m)	6.06
Slope (%)	0.66
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0320

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3205.01
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 19N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13656
Longitude: -123.85023
WA state plane south (NAD 27, feet)
East: 1,166,739
North: 675,349

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr 22.0058
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters east of the 3205/3205.01 junction.

Site Comments:

Channel is excavated approximately 20 meters upstream. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0321

Fish Use:

Unk

PI:

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5300.2
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13657
Longitude: -123.86516
WA state plane south (NAD 27, feet)
East: 1,163,025
North: 675,511

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr 22.0058
WRIA: 22.0061
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the 5300/5300.2 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Wetland habitat upstream and downstream.
Unable to obtain stream width measurements.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.56
OHW (m): 1.54
Max Depth (m): 0.55

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.44
Length (m): 12.10
Slope (%): 1.40
Bed Material: No
Outfall Drop (m): 0.04
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out on bottom. Culvert is clogged with debris at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0322

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5300.2
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13736
Longitude: -123.86441
WA state plane south (NAD 27, feet)
East: 1,163,225
North: 675,788

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0061
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the 5300/5300.2 junction.

Site Comments:

OHW < 0.6 meters. Perennials growing throughout channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.60
Tidegate: No

Culvert Comments:

Wetland DS of culvert obscures PP and stream width measurements. US of culvert, stream has been excavated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0323

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5300.1
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13448
Longitude: -123.87170
WA state plane south (NAD 27, feet)
East: 1,161,366
North: 674,816

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0061
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles northeast of the 5300/5300.1 junction.

Site Comments:

Perennial vegetation growing within the stream channel. OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/29/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.32
Rise (m): 0.34
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0324

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5300.11
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13440
Longitude:	-123.87615
WA state plane south (NAD 27, feet)	
East:	1,160,260
North:	674,834

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0061
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northwest of the 5300/5300.11 junction.

Site Comments:

Plunge pool and stream width measurements are unavailable due to wetland habitat upstream and downstream..

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/30/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	9.11
Slope (%)	1.21
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.27
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0325

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5300.11
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13522
Longitude:	-123.87629
WA state plane south (NAD 27, feet)	
East:	1,160,237
North:	675,137

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0061
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the 5300/5300.11 junction.

Site Comments:

Undefined stream channel, vegetation growing throughout. OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/30/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.48
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.80
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0326

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5200
County:	Grays Harbor
1/4 Section:	SE
Section:	21
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11781
Longitude:	-123.93100
WA state plane south (NAD 27, feet)	
East:	1,146,358
North:	669,381

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Deep Cr
Tributary To:	Humptulips R 22.0004
WRIA:	22.0021
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.0 miles west of the 5200/US 101 junction.

Site Comments:

Upstream wetland extends approximately 200 meters. Wetland feeds into Failor Lake.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/24/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	13.50
OHW (m)	1.10
Max Depth (m)	4.72

CHANNEL DESCRIPTION

Toe Width (m)	2.06
Span/Toe Ratio	0.88

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.81
Rise (m)	1.79
Length (m)	17.85
Slope (%)	2.58
Bed Material	No
Outfall Drop (m)	0.60
WDIC (m)	0.29
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Overflow culvert on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0327

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12533
Longitude: -123.93929
WA state plane south (NAD 27, feet)
East: 1,144,415
North: 672,210

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Shaw Cr 22.0030
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.10 miles west of the 5200/US 101 junction.

Site Comments:

OHW = 0.80 meters. Stream feeds into Failor Lake.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/24/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.50
OHW (m): 2.80
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.58
Span/Toe Ratio: 1.81

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.05
Rise (m): 1.06
Length (m): 24.37
Slope (%): 3.16
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.06
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0328

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: SW
Section: 16
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12634
Longitude: -123.93909
WA state plane south (NAD 27, feet)
East: 1,144,481
North: 672,575

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Shaw Cr 22.0030
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.20 miles west of the 5200/US 101 junction.

Site Comments:

OHW = 0.5 meters.. Stream feeds into Failor Lake.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/24/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.17
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0329

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5200
County:	Grays Harbor
1/4 Section:	SW
Section:	16
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.12787
Longitude:	-123.93921
WA state plane south (NAD 27, feet)	
East:	1,144,475
North:	673,133

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Shaw Cr
Tributary To:	Deep Cr 22.0021
WRIA:	22.0030
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 3.30 miles west of the 5200/US 101 junction.

Site Comments:

Well defined channel downstream. Stream feeds into Failor Lake.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/24/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	5.25
OHW (m)	5.45
Max Depth (m)	1.60

CHANNEL DESCRIPTION

Toe Width (m)	4.30
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.14
Rise (m)	2.07
Length (m)	13.90
Slope (%)	-0.29
Bed Material	No
Outfall Drop (m)	0.56
WDIC (m)	0.15
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert is sloped inversely. Large wetland, with a breached beaver dam approximately 5m US of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0330

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: SW
Section: 16
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12870
Longitude: -123.94047
WA state plane south (NAD 27, feet)
East: 1,144,175
North: 673,450

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Shaw Cr 22.0030
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.40 miles west of the 5200/US 101 junction.

Site Comments:

Small stream draining into wetland upstream. OHW = 0.55 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/24/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.74
Rise (m): 0.75
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0331

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5222
County: Grays Harbor
1/4 Section: SE
Section: 17
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12960
Longitude: -123.94392
WA state plane south (NAD 27, feet)
East: 1,143,331
North: 673,816

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Shaw Cr 22.0030
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles west of the 5222/5200 junction.

Site Comments:

Stream feeds into Failor Lake.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/24/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.30
OHW (m): 1.05
Max Depth (m): 0.17

CHANNEL DESCRIPTION

Toe Width (m): 0.85
Span/Toe Ratio: 0.88

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.76
Length (m): 30.50
Slope (%): 5.90
Bed Material: No
Outfall Drop (m): 0.53
WDIC (m): 0.04
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0332

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5221
County: Grays Harbor
1/4 Section: NW
Section: 20
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12589
Longitude: -123.95641
WA state plane south (NAD 27, feet)
East: 1,140,166
North: 672,599

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Nelson Cr 22.0031
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is on unmapped logging spur near the end of the 5221.

Site Comments:

Very steep gradient downstream. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/24/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

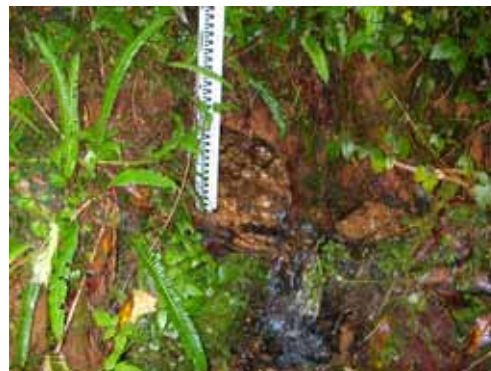
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.43
Rise (m): 0.39
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Logs and debris on downstream end of culvert, spanning stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0333

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5200
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13256
Longitude:	-123.94642
WA state plane south (NAD 27, feet)	
East:	1,142,758
North:	674,922

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Shaw Cr 22.0030
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 3.75 miles west of the 5200/US 101 junction.

Site Comments:

Rock quarry approximately 30 meters southeast of site. Stream feeds into Failor Lake.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/24/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.85
OHW (m)	2.00
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.88

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.23
Rise (m)	1.16
Length (m)	12.06
Slope (%)	4.73
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0334

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5216
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13264
Longitude:	-123.94583
WA state plane south (NAD 27, feet)	
East:	1,142,904
North:	674,945

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Shaw Cr 22.0030
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 10 meters north of the 5216/5200 junction.

Site Comments:

Stream feeds into Failor Lake.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/24/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	2.50
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.44

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.61
Length (m)	7.95
Slope (%)	2.00
Bed Material	No
Outfall Drop (m)	0.27
WDIC (m)	0.08
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0335

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4011
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00819
Longitude: -123.98592
WA state plane south (NAD 27, feet)
East: 1,130,931
North: 630,036

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grass Cr 22.0135
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 4011/A-1800 junction.

Site Comments:

OHW = 0.5 meters. Stream channel is poorly defined.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/10/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.41
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.02
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Possible gradient break within culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0336

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	HQ-2200
County:	Grays Harbor
1/4 Section:	NW
Section:	30
Township:	18N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.02374
Longitude:	-123.97559
WA state plane south (NAD 27, feet)	
East:	1,133,756
North:	635,589

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grass Cr 22.0135
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the HQ-2200/HQ-2250 junction.

Site Comments:

Upstream of culvert, two wetlands converge.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☐ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/17/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.55
OHW (m)	0.85
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.20
Span/Toe Ratio	0.44

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.53
Rise (m)	0.53
Length (m)	17.53
Slope (%)	0.80
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.04
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0337

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	SW
Section:	19
Township:	18N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.02646
Longitude:	-123.97825
WA state plane south (NAD 27, feet)	
East:	1,133,135
North:	636,609

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Grass Cr
Tributary To:	Grays Harbor
WRIA:	22.0135
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters west of the 4013.9/4013.91 junction.

Site Comments:

Wetlands upstream and downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	1.69

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	12.27
Slope (%)	2.53
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.22
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Unable to obtain plunge pool measurements due to wetland habitat. Culvert 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0337

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	12.51
Slope (%)	-0.72
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.31
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank. Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0338

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.28
County:	Grays Harbor
1/4 Section:	NE
Section:	12
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15224
Longitude:	-123.99032
WA state plane south (NAD 27, feet)	
East:	1,132,158
North:	682,572

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0038
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters west of the 5204.28/A-400 junction.

Site Comments:

Beaver dam and pond upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.00
OHW (m)	2.20
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	3.05
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.51
Rise (m)	1.57
Length (m)	17.50
Slope (%)	1.03
Bed Material	No
Outfall Drop (m)	1.75
WDIC (m)	0.07
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0339

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.28
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14788
Longitude: -123.99086
WA state plane south (NAD 27, feet)
East: 1,131,953
North: 680,991

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0038
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the 5204.28/A-400 junction.

Site Comments:

OHW = 0.35 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.60
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Plunge pool is excavated. Stream flows subsurface in intervals DS of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0340

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.28
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14755
Longitude:	-123.99004
WA state plane south (NAD 27, feet)	
East:	1,132,151
North:	680,860

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0038
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.65 miles south of the 5204.28/A-400 junction.

Site Comments:

Intermittent subsurface flow downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.85
Span/Toe Ratio	1.08

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	12.25
Slope (%)	4.49
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert look to be recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0341

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.28
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14670
Longitude:	-123.98663
WA state plane south (NAD 27, feet)	
East:	1,132,986
North:	680,514

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0037
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.85 miles southeast of the 5204.28/A-400 junction.

Site Comments:

Old beaver dam 15 meters upstream, forms a small pond.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	3.45
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	2.40
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.23
Rise (m)	1.22
Length (m)	12.37
Slope (%)	9.54
Bed Material	No
Outfall Drop (m)	3.20
WDIC (m)	0.07
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert looks to be recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0342

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.28
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14513
Longitude:	-123.98599
WA state plane south (NAD 27, feet)	
East:	1,133,120
North:	679,934

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0037
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 mile southeast of the 5204.28/A-400 junction.

Site Comments:

Beaver dam 1.5 meters upstream, forms a small pond.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.85
Span/Toe Ratio	1.08

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	15.78
Slope (%)	0.38
Bed Material	No
Outfall Drop (m)	4.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.10
Tidegate	No

Culvert Comments:

New culvert with large rip-rap downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0343

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.28
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15187
Longitude: -123.99365
WA state plane south (NAD 27, feet)
East: 1,131,324
North: 682,474

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0038
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the 5204.28/A-400 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.25
Tidegate: No

Culvert Comments:

DS end of culvert has a chute attached at a 45 degree angle.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0344

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.28
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15097
Longitude: -123.99544
WA state plane south (NAD 27, feet)
East: 1,130,865
North: 682,167

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0038
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles west of the 5204.28/A-400 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0345

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.28
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15087
Longitude: -123.99693
WA state plane south (NAD 27, feet)
East: 1,130,493
North: 682,148

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0038
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles west of the 5204.28/A-400 junction.

Site Comments:

OHW = 0.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert is very steep, has a gradient of approximately 25%.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0346

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.28
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15100
Longitude:	-123.99895
WA state plane south (NAD 27, feet)	
East:	1,129,992
North:	682,215

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0038
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.55 miles west of the 5204.28/A-400 junction.

Site Comments:

No defined stream channel downstream. OHW < 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/2/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.30
Tidegate	No

Culvert Comments:

Downstream of culvert water flows subsurface, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0347

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.140
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15379
Longitude: -123.99640
WA state plane south (NAD 27, feet)
East: 1,130,671
North: 683,206

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the 5204.110/5204.140 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.60
Length (m): 11.95
Slope (%): 4.85
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Logs and debris over downstream channel. Unable to measure outfall drop, plunge pool, and stream width measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0348

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.170
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14618
Longitude: -124.00077
WA state plane south (NAD 27, feet)
East: 1,129,462
North: 680,478

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0038
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southeast of the 5204.170/5204 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0349

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.180
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	19N
Range:	11W

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Comp
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14523
Longitude:	-124.01061
WA state plane south (NAD 27, feet)	
East:	1,127,000
North:	680,241

Location / Directions:

Water crossing is approximately 150 meters southeast of the 5204.180/5204.182 junction.

Site Comments:

5 meters upstream of culvert, two streams converge. Left bank stream OHW = 0.45 meters. Right bank stream OHW = 0.30 meters.

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☐ Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/2/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.70
OHW (m)	1.90
Max Depth (m)	0.29

CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.46
Length (m)	9.05
Slope (%)	1.88
Bed Material	Unk
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0350

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.180
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14563
Longitude: -124.01114
WA state plane south (NAD 27, feet)
East: 1,126,877
North: 680,395

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters southeast of the 5204.180/5204.182 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.10
OHW (m): 2.45
Max Depth (m): 0.56

CHANNEL DESCRIPTION

Toe Width (m): 1.05
Span/Toe Ratio: 1.20

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.26
Rise (m): 1.20
Length (m): 12.07
Slope (%): 0.33
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.65
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0351

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	SW
Section:	11
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14508
Longitude:	-124.01363
WA state plane south (NAD 27, feet)	
East:	1,126,249
North:	680,222

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the 5204.183/5204.180 junction.

Site Comments:

Wetland habitat upstream. Adult coho salmon carcass in close proximity to culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/2/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.05
OHW (m)	1.95
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	1.90

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.52
Rise (m)	1.54
Length (m)	18.11
Slope (%)	0.39
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.42
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Logs acting as support beams throughout culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0352

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.183
County:	Grays Harbor
1/4 Section:	SW
Section:	11
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14342
Longitude:	-124.01371
WA state plane south (NAD 27, feet)	
East:	1,126,201
North:	679,619

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the 5204.183/5204.180 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2002
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.65
OHW (m)	2.40
Max Depth (m)	0.38

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.83

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.91
Rise (m)	0.91
Length (m)	11.60
Slope (%)	-0.43
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.36
Apron	No
Fill Depth (m)	1.30
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0353

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15613
Longitude: -124.00343
WA state plane south (NAD 27, feet)
East: 1,128,963
North: 684,133

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.60 miles northwest of the 5204/5204.28 junction.

Site Comments:

Stream flows adjacent to road. DNR type 3 stream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.65
OHW (m): 2.35
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 1.15
Span/Toe Ratio: 0.78

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.91
Length (m): 12.33
Slope (%): 8.80
Bed Material: No
Outfall Drop (m): 0.82
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Left bank tributary enters stream approximately 15 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0354

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15634
Longitude:	-124.00401
WA state plane south (NAD 27, feet)	
East:	1,128,821
North:	684,218

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.65 miles northwest of the 5204/5204.28 junction.

Site Comments:

Stream is small downstream tributary to culvert 127H0353. Adult salmon carcass near culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.02

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	24.50
Slope (%)	11.50
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.50
Tidegate	No

Culvert Comments:

Outfall drop onto basalt slide, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0355

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204
County: Grays Harbor
1/4 Section: SE
Section: 2
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15789
Longitude: -124.00513
WA state plane south (NAD 27, feet)
East: 1,128,568
North: 684,793

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters northeast of the 5204/5204-UP junction.

Site Comments:

Subsurface flow for approximately 10 meters downstream of culvert. Confluence with Humptulips River 40 meters downstream. OHW = 0.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Dennis and Naomi Matzke
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Road is beginning to fail on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0356

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204
County:	Grays Harbor
1/4 Section:	SE
Section:	2
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15842
Longitude:	-124.00451
WA state plane south (NAD 27, feet)	
East:	1,128,731
North:	684,982

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the 5204/5204-UP junction.

Site Comments:

Flow is primarily from ditch drainage. OHW = 0.55 meters. Humptulips River is 40 meters downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ohn and Zelar Woloszyb Tru
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.57
Span/Toe Ratio	0.81

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.47
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0357

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204-UP
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15722
Longitude: -124.00619
WA state plane south (NAD 27, feet)
East: 1,128,294
North: 684,563

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 50 meters southwest of the 5204/5204-UP junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

Same stream as site 127H0353 (with salmon carcass). Culvert is approximately 75 meters upstream from Humptulips River confluence.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.15
OHW (m): 4.30
Max Depth (m): 0.80

CHANNEL DESCRIPTION

Toe Width (m): 1.86
Span/Toe Ratio: 0.33

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 12.66
Slope (%): 4.90
Bed Material: No
Outfall Drop (m): 1.06
WDIC (m): 0.10
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Good candidate for replacement along with two culverts upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0358

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204-UP
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15555
Longitude: -124.00938
WA state plane south (NAD 27, feet)
East: 1,127,475
North: 683,988

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles southwest of the 5204/5204-UP junction.

Site Comments:

Wetland habitat upstream and downstream.
Humptulips River 150 meters downstream.
OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m): 9.30
Slope (%): 0.22
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0359

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204
County:	Grays Harbor
1/4 Section:	NE
Section:	7
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15133
Longitude:	-123.96630
WA state plane south (NAD 27, feet)	
East:	1,138,115
North:	681,976

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Cedar Cr 22.0049
WRIA:	22.0050
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles south of the 5204/5204.17 junction.

Site Comments:

Abundance of debris in the downstream channel. OHW = 0.55 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.80
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0360

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15202
Longitude: -123.96584
WA state plane south (NAD 27, feet)
East: 1,138,239
North: 682,225

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0050
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the 5204/5204.17 junction.

Site Comments:

OHW = 0.33 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.31
Rise (m): 0.30
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.14
WDIC (m): 0.04
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0361

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15317
Longitude: -123.96578
WA state plane south (NAD 27, feet)
East: 1,138,274
North: 682,641

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0050
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters south of the 5204/5204.17 junction.

Site Comments:

OHW = 0.33 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.30
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0362

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.72
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15665
Longitude: -123.95269
WA state plane south (NAD 27, feet)
East: 1,141,583
North: 683,768

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0050
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles southeast of the 5204.7/5204.72 junction.

Site Comments:

Stream flow is subsurface 1 meter downstream. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.30
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0363

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204
County:	Grays Harbor
1/4 Section:	SW
Section:	5
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15789
Longitude:	-123.96119
WA state plane south (NAD 27, feet)	
East:	1,139,490
North:	684,311

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0046
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 5204/5204.7 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.80
OHW (m)	4.70
Max Depth (m)	0.95

CHANNEL DESCRIPTION

Toe Width (m)	2.15
Span/Toe Ratio	0.74

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.59
Rise (m)	1.43
Length (m)	18.31
Slope (%)	2.80
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0364

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.232
County: Grays Harbor
1/4 Section: SE
Section: 6
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16207
Longitude: -123.96972
WA state plane south (NAD 27, feet)
East: 1,137,436
North: 685,929

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the 5204.23/5204.232 junction.

Site Comments:

OHW = 0.55 meters. Subsurface flows upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.65
Rise (m): 0.74
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Downstream end of culvert partially buried.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0365

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.234
County:	Grays Harbor
1/4 Section:	NE
Section:	6
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16740
Longitude:	-123.96984
WA state plane south (NAD 27, feet)	
East:	1,137,493
North:	687,873

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 5204.23/5204.234 junction.

Site Comments:

OHW < 0.60 meters. No defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.50
Rise (m)	0.50
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0366

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.23
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16607
Longitude: -123.97105
WA state plane south (NAD 27, feet)
East: 1,137,171
North: 687,401

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles west of the 5204.23/5204.234 junction.

Site Comments:

Beaver dam with pond 8 meters upstream.
Wetland influence upstream and downstream.
OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.50
OHW (m): 2.20
Max Depth (m): 0.52

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.84
Rise (m): 0.84
Length (m): 11.49
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.12
Apron: No
Fill Depth (m): 2.30
Tidegate: No

Culvert Comments:

Stream width measurement obscured by wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0367

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.235
County:	Grays Harbor
1/4 Section:	NW
Section:	6
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16534
Longitude:	-123.97257
WA state plane south (NAD 27, feet)	
East:	1,136,781
North:	687,150

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 5204.235/5204.2351 junction.

Site Comments:

Recently replaced culvert on new road. OHW = 0.85 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.30
OHW (m)	3.20
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	0.84
Span/Toe Ratio	1.37

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.15
Rise (m)	1.18
Length (m)	15.04
Slope (%)	0.07
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	3.70
Tidegate	No

Culvert Comments:

2 meter cascade upstream of culvert is a result of recent excavations during culvert placement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0368

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.23
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16661
Longitude: -123.97203
WA state plane south (NAD 27, feet)
East: 1,136,934
North: 687,608

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 5204.23/5204.235 junction.

Site Comments:

Wetlands upstream and downstream. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/8/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m): 14.93
Slope (%): 3.62
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.23
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Stream width and plunge pool measurements unavailable due to wetland influence upstream and downstream. Beaver debris in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0369

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.23
County:	Grays Harbor
1/4 Section:	NW
Section:	6
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16678
Longitude:	-123.97600
WA state plane south (NAD 27, feet)	
East:	1,135,951
North:	687,714

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 5204.23/5204.236 junction.

Site Comments:

Abundant slash and debris in channel.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	1.90
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	0.73

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.77
Rise (m)	0.78
Length (m)	14.41
Slope (%)	3.68
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.20
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Debris throughout culvert, but no streambed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0370

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.23
County:	Grays Harbor
1/4 Section:	NW
Section:	6
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16692
Longitude:	-123.97646
WA state plane south (NAD 27, feet)	
East:	1,135,839
North:	687,771

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles west of the 5204.23/5204.236 junction.

Site Comments:

Abundant debris in stream channel. OHW = 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	0.70
OHW (m)	0.35
Max Depth (m)	0.10

CHANNEL DESCRIPTION

Toe Width (m)	0.45
Span/Toe Ratio	1.35

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	13.18
Slope (%)	5.40
Bed Material	No
Outfall Drop (m)	0.37
WDIC (m)	0.06
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0371

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.26
County:	Grays Harbor
1/4 Section:	NE
Section:	1
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16535
Longitude:	-123.98393
WA state plane south (NAD 27, feet)	
East:	1,133,957
North:	687,281

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0043
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.90 miles northwest of the 5204/5204.26 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	0.88

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.91
Length (m)	18.69
Slope (%)	2.68
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Stream flows directly into riffle downstream, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0372

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.29
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15899
Longitude: -123.99077
WA state plane south (NAD 27, feet)
East: 1,132,155
North: 685,038

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the 5204.29/5204 junction, on small northbound spur road.

Site Comments:

OHW = 0.55 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/9/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.55
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0373

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5200
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13323
Longitude:	-123.94760
WA state plane south (NAD 27, feet)	
East:	1,142,474
North:	675,177

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Shaw Cr 22.0030
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters west of the 5200/5204 junction.

Site Comments:

OHW = 0.45 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0374

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5200
County:	Grays Harbor
1/4 Section:	NE
Section:	17
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13381
Longitude:	-123.94914
WA state plane south (NAD 27, feet)	
East:	1,142,100
North:	675,407

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Shaw Cr 22.0030
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of the 5200/5204 junction.

Site Comments:

OHW = 1.00 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/8/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.45
OHW (m)	0.90
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	0.76

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.76
Length (m)	16.07
Slope (%)	4.70
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.07
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0375

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: NE
Section: 17
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13357
Longitude: -123.95123
WA state plane south (NAD 27, feet)
East: 1,141,576
North: 675,342

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Shaw Cr 22.0030
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the 5200/5204 junction.

Site Comments:

Stream flows subsurface for approximately 40 meters before entering wetland. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/10/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0376

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5210
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13419
Longitude: -123.99373
WA state plane south (NAD 27, feet)
East: 1,131,019
North: 676,032

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0022
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the 5210/5205 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0377

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216
County: Grays Harbor
1/4 Section: NE
Section: 17
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13360
Longitude: -123.94455
WA state plane south (NAD 27, feet)
East: 1,143,239
North: 675,281

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Shaw Cr 22.0030
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the 5200/5216 junction.

Site Comments:

OHW = 0.50 meters. 2 television sets in channel downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/10/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.90
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0378

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4019.21
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05967
Longitude:	-124.01137
WA state plane south (NAD 27, feet)	
East:	1,125,423
North:	649,076

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0006
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 50 meters west of the 4019.2/4019.21 junction.

Site Comments:

OHW = 0.95 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/9/2005
Field Crew:	Glore/Hamel
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	1.40
OHW (m)	1.10
Max Depth (m)	0.26

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	9.29
Slope (%)	0.61
Bed Material	No
Outfall Drop (m)	0.42
WDIC (m)	0.08
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0379

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05369
Longitude:	-123.99276
WA state plane south (NAD 27, feet)	
East:	1,129,961
North:	646,692

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0.132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters southwest of the eastern Chenois Valley Rd/Ocean Beach Rd junction.

Site Comments:

Beaver activity upstream and downstream, site backwatered.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Tom Wells
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/10/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.80
Span/Toe Ratio	0.79

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.43
Rise (m)	0.92
Length (m)	7.38
Slope (%)	0.23
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

No defined plunge pool due to backwatering. Level B not applicable due to backwatering and wetland influence downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0380

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05391
Longitude:	-123.98769
WA state plane south (NAD 27, feet)	
East:	1,131,227
North:	646,717

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 250 meters northwest of the Lynnwood Lane/Ocean Beach Rd junction, on private wooded lot.

Site Comments:

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	George Steven Teungel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/23/2005
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.80
OHW (m)	3.00
Max Depth (m)	0.32

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	116.00

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	2.40
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Beaver pond downstream backwatering site. Slope shots unavailable due to recessed downstream end, length measured with stadia rod. Visual estimation puts slope near 1%. Level B not applicable due to beaver/wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0380

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	3.08
Slope (%)	0.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Level B not applicable due to beaver/wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0381

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.121
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15447
Longitude: -123.93851
WA state plane south (NAD 27, feet)
East: 1,145,071
North: 682,821

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Cedar Cr 22.0049
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of the 5216.121/5216.1211 junction.

Site Comments:

OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/11/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0382

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.121
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15734
Longitude: -123.93495
WA state plane south (NAD 27, feet)
East: 1,146,002
North: 683,826

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the 5216.121/5216.123 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/11/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.20
OHW (m): 1.50
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 1.32
Span/Toe Ratio: 0.68

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.90
Rise (m): 0.90
Length (m): 12.17
Slope (%): -1.31
Bed Material: No
Outfall Drop (m): 0.31
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0383

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5216.123
County:	Grays Harbor
1/4 Section:	SE
Section:	5
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16183
Longitude:	-123.94373
WA state plane south (NAD 27, feet)	
East:	1,143,891
North:	685,559

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northwest of the 5216.1234/5216.123 junction.

Site Comments:

Some wetland influence upstream and downstream of site not allowing for stream width measurements. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/11/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.55
OHW (m)	2.10
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.59
Length (m)	8.77
Slope (%)	0.46
Bed Material	Unk
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0384

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Humptulips Valley Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	27
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11165
Longitude:	-124.03016
WA state plane south (NAD 27, feet)	
East:	1,121,592
North:	668,224

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters north of the Humptulips Valley Rd/5200 junction.

Site Comments:

OHW = 0.50 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.75
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.07
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0385

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Humptulips Valley Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	22
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11517
Longitude:	-124.02905
WA state plane south (NAD 27, feet)	
East:	1,121,927
North:	669,496

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Deep Cr 22.0021
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the Humptulips Valley Rd/5200 junction.

Site Comments:

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Jim and Betty Wells
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.70
OHW (m)	1.70
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	0.46

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.47
Length (m)	12.70
Slope (%)	2.00
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0386

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown spur
County:	Grays Harbor
1/4 Section:	SE
Section:	22
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11716
Longitude:	-124.02726
WA state plane south (NAD 27, feet)	
East:	1,122,404
North:	670,201

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Deep Cr 22.0021
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters east of the Humpstulips Valley Rd on unnamed spur. Spur road is approximately 0.50 miles north of the Humpstulips Valley Rd/5200 junction.

Site Comments:

OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☐ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	Jim and Betty Wells
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

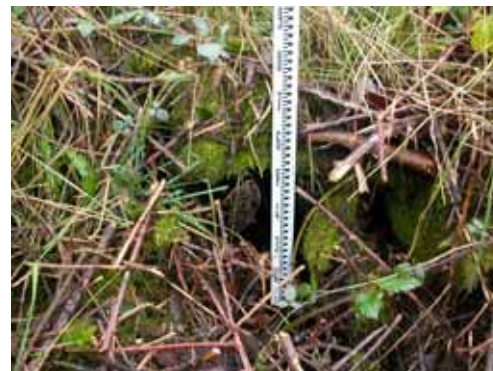
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Downstream end of culvert recessed/buried. Unable to perform Level A analysis.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0387

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: SE
Section: 22
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11756
Longitude: -124.02465
WA state plane south (NAD 27, feet)
East: 1,123,060
North: 670,315

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the Humpstulips Valley Rd on unnamed spur. Spur road is approximately 0.50 miles north of the Humpstulips Valley Rd/5200 junction.

Site Comments:

Wetland influence upstream. Undefined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Jim and Betty Wells
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.70
OHW (m): 1.10
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.50
Span/Toe Ratio: 1.10

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.55
Rise (m): 0.43
Length (m): 12.26
Slope (%): 6.60
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0388

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5200
County:	Grays Harbor
1/4 Section:	NW
Section:	26
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11110
Longitude:	-124.02058
WA state plane south (NAD 27, feet)	
East:	1,123,968
North:	667,916

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0025
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles east of the Humptulips Valley Rd/5200 junction.

Site Comments:

Beaver dam with pond 15 meters upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.25
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	22.16
Slope (%)	4.51
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.07
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

No plunge pool, stream flows into riffle immediately downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0389

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11152
Longitude: -124.01765
WA state plane south (NAD 27, feet)
East: 1,124,702
North: 668,038

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0025
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles east of the 5200/5251 junction.

Site Comments:

Gradient downstream of culvert is very steep.
Ditch delivery for road drainage.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Majority of stream flow is from ditch drainage.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0390

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5250
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11380
Longitude: -123.99798
WA state plane south (NAD 27, feet)
East: 1,129,632
North: 668,649

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the 5250/5200 junction.

Site Comments:

OHW = 0.35 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.33
Rise (m): 0.33
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0391

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5250
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11264
Longitude: -123.99725
WA state plane south (NAD 27, feet)
East: 1,129,795
North: 668,219

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.20 miles south of the 5250/5200 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Coho salmon carcasses observed upstream and downstream of culvert. Hard clay substrate dominates stream channel.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.80
OHW (m): 3.05
Max Depth (m): 0.40

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m): 2.20
Span/Toe Ratio: 0.60

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.32
Rise (m): 1.42
Length (m): 22.97
Slope (%): 4.40
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.11
Apron: No
Fill Depth (m): 6.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0392

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5250
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.10896
Longitude:	-123.99395
WA state plane south (NAD 27, feet)	
East:	1,130,556
North:	666,844

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Deep Cr 22.0021
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the 5200/5250 junction.

Site Comments:

Upstream of site is an old rock quarry with some ponds.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	NG
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.95
OHW (m)	1.05
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.46
Length (m)	22.00
Slope (%)	0.41
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.60
Tidegate	No

Culvert Comments:

Level B not applicable due to no substantial upstream habitat gain.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0393

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5252
County: Grays Harbor
1/4 Section: SE
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11750
Longitude: -123.98682
WA state plane south (NAD 27, feet)
East: 1,132,468
North: 669,875

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles east of the 5200/5252 junction.

Site Comments:

OHW = 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 0.95
OHW (m): 0.85
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.50
Span/Toe Ratio: 0.60

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.30
Rise (m): 0.30
Length (m): 9.59
Slope (%): 7.82
Bed Material: No
Outfall Drop (m): 0.22
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Stream flows in and out of subsurface for 15 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0394

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5252
County:	Grays Harbor
1/4 Section:	SE
Section:	24
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11817
Longitude:	-123.98541
WA state plane south (NAD 27, feet)	
East:	1,132,830
North:	670,104

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Deep Cr 22.0021
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.75 miles east of the 5200/5252 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	1.60
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.63

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.60
Rise (m)	0.60
Length (m)	10.64
Slope (%)	9.30
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Downstream end of culvert is broken off.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0395

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11731
Longitude: -123.99910
WA state plane south (NAD 27, feet)
East: 1,129,411
North: 669,942

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0026
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 5200/5250 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%) 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m) 5.80
OHW (m) 3.20
Max Depth (m) 0.30

CHANNEL DESCRIPTION

Toe Width (m) 0.95
Span/Toe Ratio 0.98

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m) 0.93
Rise (m) 0.92
Length (m) 29.33
Slope (%) 4.33
Bed Material: No
Outfall Drop (m) 1.60
WDIC (m) 0.08
Apron: No
Fill Depth (m) 7.50
Tidegate: No

Culvert Comments:

Channel is incised, rip rap placed at downstream end of culvert. Outfall causing passability to be closer to 0%.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0396

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11932
Longitude: -123.99964
WA state plane south (NAD 27, feet)
East: 1,129,309
North: 670,681

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the 5200/5250 junction.

Site Comments:

OHW = 0.25 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out on the bottom for 2 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0397

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12031
Longitude: -123.99952
WA state plane south (NAD 27, feet)
East: 1,129,354
North: 671,039

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the 5200/5250 junction.

Site Comments:

OHW = 0.45 meters. Stream enters wetland approximately 10 meters downstream, then flow subsurface.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.44
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.90
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0398

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12060
Longitude: -123.99937
WA state plane south (NAD 27, feet)
East: 1,129,396
North: 671,143

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the 5200/5250 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Earthen dam 1 meter upstream of culvert is impounding water above culvert; delivery to culvert is subsurface. Downstream flow is also subsurface.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.74
Length (m): 12.23
Slope (%): 2.60
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Level B not applicable due to subsurface flows DS of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0399

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200
County: Grays Harbor
1/4 Section: NW
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12322
Longitude: -123.99993
WA state plane south (NAD 27, feet)
East: 1,129,300
North: 672,103

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0024
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles north of the 5200/5250 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

Site Comments:

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer:
Shape:
Material:
Span (m):
Rise (m):
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m):
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0400

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5200.13
County: Grays Harbor
1/4 Section: NW
Section: 24
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12611
Longitude: -123.99276
WA state plane south (NAD 27, feet)
East: 1,131,129
North: 673,078

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0024
WRIA: 22.0022
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the 5200/5210 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 0.93
OHW (m): 1.35
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 0.92

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.61
Length (m): 15.77
Slope (%): 7.48
Bed Material: No
Outfall Drop (m): 0.48
WDIC (m): 0.03
Apron: No
Fill Depth (m): 4.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0401

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C-4019
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05448
Longitude:	-124.00394
WA state plane south (NAD 27, feet)	
East:	1,127,189
North:	647,101

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the C-4019/Chenois Valley Rd junction.

Site Comments:

Channel not well defined, toe width difficult to obtain.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/16/2003
Field Crew:	Glore/Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.30
OHW (m)	0.45
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.35
Length (m)	7.41
Slope (%)	1.35
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0402

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C-4019
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05281
Longitude:	-124.00454
WA state plane south (NAD 27, feet)	
East:	1,127,013
North:	646,500

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the C-4019/Chenois Valley Rd junction.

Site Comments:

Wetlands upstream and downstream with evidence of beaver activity. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/16/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	2.35
Max Depth (m)	0.22

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.61
Length (m)	10.65
Slope (%)	0.28
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	1.30
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0403

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C-4019
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05114
Longitude:	-124.00584
WA state plane south (NAD 27, feet)	
East:	1,126,662
North:	645,905

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles southwest of the C-4019/Chenois Valley Rd junction.

Site Comments:

Wetland influence upstream and downstream. Beaver dam at upstream end of culvert. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/16/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.15
OHW (m)	3.00
Max Depth (m)	0.27

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.51
Rise (m)	0.66
Length (m)	11.47
Slope (%)	2.09
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Toe width measurement unavailable due to wetland influence downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0404

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C-4019
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04854
Longitude:	-124.00831
WA state plane south (NAD 27, feet)	
East:	1,126,006
North:	644,988

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the C-4019/Chenois Valley Rd junction.

Site Comments:

OHW > 0.60 meters. Channel is not well defined.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/16/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.38
Rise (m)	0.38
Length (m)	10.83
Slope (%)	0.09
Bed Material	No
Outfall Drop (m)	0.19
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0405

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4019
County: Grays Harbor
1/4 Section: NE
Section: 14
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04874
Longitude: -124.00790
WA state plane south (NAD 27, feet)
East: 1,126,110
North: 645,054

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles south of the C-4019/Chenois Valley Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

Intermittent subsurface flows upstream and downstream. No defined stream channel. OHW < 0.60 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.37
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end is partially buried.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0406

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4019
County: Grays Harbor
1/4 Section: NE
Section: 14
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04765
Longitude: -124.00993
WA state plane south (NAD 27, feet)
East: 1,125,587
North: 644,680

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles southwest of the C-4019/Chenois Valley Rd junction.

Site Comments:

OHW < 0.60 meters. Wetland habitat downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

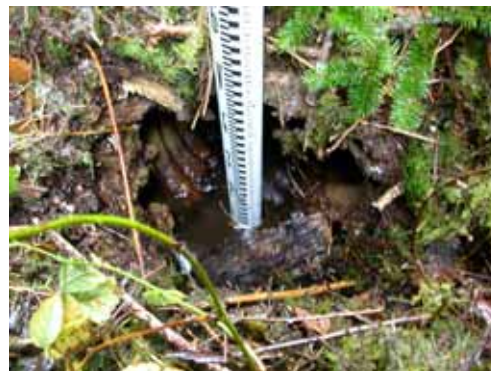
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.38
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.60
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0407

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C-4019
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04767
Longitude:	-124.01018
WA state plane south (NAD 27, feet)	
East:	1,125,525
North:	644,692

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.75 miles southwest of the C-4019/Chenois Valley Rd junction.

Site Comments:

Wetland influence upstream and downstream..

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/16/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.65
OHW (m)	1.55
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.55
Rise (m)	0.49
Length (m)	12.02
Slope (%)	-0.08
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.17
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control. Toe measurement taken upstream of wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0408

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4019
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04542
Longitude: -124.01582
WA state plane south (NAD 27, feet)
East: 1,124,084
North: 643,934

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.10 miles southwest of the C-4019/Chenois Valley Rd junction.

Site Comments:

Wetlands upstream and downstream of culvert. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.40
OHW (m): 2.30
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.65
Rise (m): 0.57
Length (m): 9.31
Slope (%): 5.30
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 1.80
Tidegate: No

Culvert Comments:

Toe width unavailable due to wetland conditions.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0409

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30566
Longitude: -123.90682
WA state plane south (NAD 27, feet)
East: 1,155,329
North: 737,571

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 7950/US 101 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 2.20
OHW (m): 1.65
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m): 15.78
Slope (%): 0.51
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.80
Tidegate: No

Culvert Comments:

Bottom of culvert rusting out downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0410

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30683
Longitude:	-123.90301
WA state plane south (NAD 27, feet)	
East:	1,156,293
North:	737,956

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the 7950/US 101 junction.

Site Comments:

Stream channel not well defined. Stream width measurements unknown.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.65
OHW (m)	0.55
Max Depth (m)	0.10

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	7.43
Slope (%)	1.62
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Toe width measurement unavailable due to wetland influence downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0411

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950.1
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30650
Longitude: -123.90134
WA state plane south (NAD 27, feet)
East: 1,156,702
North: 737,819

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters south of the 7950/7950.1 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Wetland habitat upstream and downstream of culvert. Unable to obtain stream width measurements. OHW > 0.60 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.30
OHW (m): 2.90
Max Depth (m): 0.85

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.96
Length (m): 8.86
Slope (%): 0.11
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.45
Apron: No
Fill Depth (m): 0.40
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0412

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950.1
County:	Grays Harbor
1/4 Section:	NW
Section:	24
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29878
Longitude:	-123.89992
WA state plane south (NAD 27, feet)	
East:	1,156,933
North:	734,989

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the 7950/7950.1 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.90
OHW (m)	2.15
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	2.10
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.23
Rise (m)	1.28
Length (m)	8.74
Slope (%)	3.78
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No vegetation growing on the upstream and downstream slopes of the fill.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0413

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30686
Longitude:	-123.89915
WA state plane south (NAD 27, feet)	
East:	1,157,250
North:	737,926

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.55 miles east of the 7950/US 101 junction.

Site Comments:

Upstream of culvert is a wetland.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

PLUNGE POOL DESCRIPTION

Length (m)	3.75
OHW (m)	2.80
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	1.35
Span/Toe Ratio	0.47

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	7.45
Slope (%)	0.13
Bed Material	No
Outfall Drop (m)	0.15
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Level B completed on 2/22/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0414

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950.201
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30444
Longitude:	-123.89084
WA state plane south (NAD 27, feet)	
East:	1,159,272
North:	736,954

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the 7950.2/7950.201 junction.

Site Comments:

Wetland upstream and downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.20
OHW (m)	1.45
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.75
Length (m)	8.96
Slope (%)	2.01
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	0.70
Tidegate	No

Culvert Comments:

Stream width measurement unavailable due to wetland habitat upstream and downstream of culvert



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0415

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950.201
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30476
Longitude:	-123.88985
WA state plane south (NAD 27, feet)	
East:	1,159,523
North:	737,061

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the 7950.2/7950.201 junction.

Site Comments:

No defined stream channel. OHW < 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.55
Rise (m)	0.25
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	0.25
Tidegate	

Culvert Comments:

Both ends of culvert are deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0416

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950.2
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29784
Longitude: -123.89279
WA state plane south (NAD 27, feet)
East: 1,158,684
North: 734,570

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles south of the 7950/7950.2 junction.

Site Comments:

Wetland habitat upstream and downstream..

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m): 7.07
Slope (%): 0.57
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0417

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30717
Longitude: -123.89015
WA state plane south (NAD 27, feet)
East: 1,159,486
North: 737,942

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile east of the 7950/US 101 junction.

Site Comments:

Wetland habitat upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.80
OHW (m): 1.95
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.35
Span/Toe Ratio: 0.45

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 7.31
Slope (%): 1.92
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.12
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0418

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30817
Longitude:	-123.88705
WA state plane south (NAD 27, feet)	
East:	1,160,269
North:	738,274

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hematite Cr 22.0073
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.10 miles east of the 7950/US 101 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	0.85
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.02

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.60
Length (m)	10.67
Slope (%)	0.84
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Level B analyst completed on 2/22/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0419

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30806
Longitude:	-123.88539
WA state plane south (NAD 27, feet)	
East:	1,160,680
North:	738,216

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hematite Cr 22.0073
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.20 miles east of the 7950/US 101 junction.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☐ Steelhead

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	1.45
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.64

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	11.87
Slope (%)	3.45
Bed Material	No
Outfall Drop (m)	0.75
WDIC (m)	0.06
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0420

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950
County: Grays Harbor
1/4 Section: SW
Section: 18
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30920
Longitude: -123.88110
WA state plane south (NAD 27, feet)
East: 1,161,761
North: 738,586

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0023
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles east of the 7950/US 101 junction.

Site Comments:

OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 3.40
OHW (m): 1.05
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.63
Length (m): 9.04
Slope (%): 0.88
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Wetland habitat upstream of culvert, downstream channel is braided; unable to obtain accurate toe width measurement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0421

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950.8
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30417
Longitude: -123.88550
WA state plane south (NAD 27, feet)
East: 1,160,591
North: 736,800

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles southwest of the 7950/7950.8 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2004
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0422

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950.812
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30181
Longitude:	-123.87558
WA state plane south (NAD 27, feet)	
East:	1,163,013
North:	735,834

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hematite Cr 22.0073
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meter west of the 7950.81/7950.812 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.05
OHW (m)	1.10
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.75
Span/Toe Ratio	1.60

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.25
Length (m)	12.09
Slope (%)	0.74
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0423

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950.812
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30179
Longitude:	-123.87581
WA state plane south (NAD 27, feet)	
East:	1,162,957
North:	735,830

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hematite Cr 22.0073
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meter west of the 7950.81/7950.812 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	0.75

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	9.37
Slope (%)	3.52
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.10
Tidegate	No

Culvert Comments:

No plunge pool measurement available.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0424

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950.812
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30139
Longitude: -123.87796
WA state plane south (NAD 27, feet)
East: 1,162,417
North: 735,707

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of the 7950.81/7950.812 junction.

Site Comments:

Tributary enters larger stream approximately 25 meters downstream. OHW = 0.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.06
Apron: No
Fill Depth (m): 2.10
Tidegate: No

Culvert Comments:

Downstream end of culvert is covered by woody debris and logs.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0425

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950.812
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30140
Longitude: -123.88046
WA state plane south (NAD 27, feet)
East: 1,161,796
North: 735,737

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles west of the 7950.81/7950.812 junction.

Site Comments:

OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0426

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7913
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30149
Longitude:	-123.88150
WA state plane south (NAD 27, feet)	
East:	1,161,540
North:	735,782

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hematite Cr 22.0073
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meter west of the 7950.812/7913 junction.

Site Comments:

OHW > 0.60 meters. Approximately 40 meters downstream of culvert is confluence with larger stream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/17/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	0.40
OHW (m)	0.95
Max Depth (m)	0.26

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.77
Rise (m)	0.76
Length (m)	10.85
Slope (%)	1.57
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Wetland habitat upstream and downstream of culvert, unable to obtain toe width measurement. Beaver activity downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0427

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7913
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30161
Longitude: -123.88299
WA state plane south (NAD 27, feet)
East: 1,161,174
North: 735,842

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles west of the 7950.812/7913 junction.

Site Comments:

OHW < 0.60 meters. Wetland area upstream and downstream of culvert

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0428

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7913
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29710
Longitude: -123.88175
WA state plane south (NAD 27, feet)
East: 1,161,410
North: 734,185

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the 7950.812/7913 junction.

Site Comments:

OHW = 0.65 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2004
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.45
OHW (m): 0.95
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 0.72

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m): 8.38
Slope (%): 9.19
Bed Material: No
Outfall Drop (m): 1.25
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

At downstream end of culvert water is percolating through the soil underneath the culvert, not flowing through it.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0429

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7913
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29341
Longitude: -123.87823
WA state plane south (NAD 27, feet)
East: 1,162,225
North: 732,803

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles south of the 7950.812/7913 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.55
Span/Toe Ratio: 1.18

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.65
Rise (m): 0.64
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.90
Tidegate: No

Culvert Comments:

Downstream end of culvert is recessed and not accessible.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0430

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7913
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29269
Longitude: -123.87720
WA state plane south (NAD 27, feet)
East: 1,162,470
North: 732,530

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Hematite Cr
Tributary To: Stevens Cr 22.0064
WRIA: 22.0073
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile south of the 7950.812/7913 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

Site Comments:

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 1.35
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m): 8.81
Slope (%): 3.06
Bed Material: No
Outfall Drop (m): 0.13
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0431

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7913
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29205
Longitude: -123.87684
WA state plane south (NAD 27, feet)
East: 1,162,549
North: 732,293

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 mile south of the 7950.812/7913 junction.

Site Comments:

OHW = 0.80 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/17/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.35
OHW (m): 0.95
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 0.95

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m): 11.58
Slope (%): 1.04
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0432

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7913
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28878
Longitude: -123.87725
WA state plane south (NAD 27, feet)
East: 1,162,396
North: 731,105

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Unnamed 22.0072
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 7913/7910 junction.

Site Comments:

OHW > 0.60 meters. Road eroding due to water flowing over road.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0433

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7908
County: Grays Harbor
1/4 Section: NW
Section: 24
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30202
Longitude: -123.90558
WA state plane south (NAD 27, feet)
East: 1,155,579
North: 736,232

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the 7908/7950 junction.

Site Comments:

Wetland habitat upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/18/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.35
OHW (m): 2.50
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.50
Span/Toe Ratio: 0.60

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.91
Length (m): 12.14
Slope (%): 3.05
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0434

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7908
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29955
Longitude: -123.90567
WA state plane south (NAD 27, feet)
East: 1,155,518
North: 735,332

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 220064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles south of the 7908/7950 junction.

Site Comments:

Upstream has wetland influence.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/18/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 9.50
OHW (m): 2.70
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 1.35
Span/Toe Ratio: 0.66

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.89
Rise (m): 0.89
Length (m): 12.26
Slope (%): 2.94
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 1.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0435

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NW
Section:	24
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29541
Longitude:	-123.90187
WA state plane south (NAD 27, feet)	
East:	1,156,396
North:	733,784

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 7908/7908.07 junction.

Site Comments:

OHW < 0.60 meters. Wetland habitat and seep influence upstream. Downstream channel is excavated.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.07
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0436

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NE
Section:	26
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28649
Longitude:	-123.90604
WA state plane south (NAD 27, feet)	
East:	1,155,221
North:	730,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.30 miles south of the 7908/7950 junction.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.40
OHW (m)	1.25
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	7.50
Slope (%)	2.40
Bed Material	No
Outfall Drop (m)	0.03
WDIC (m)	0.07
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Stream channel has vegetation growing throughout. Toe width measurements unavailable due to stream conditions.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0437

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7908
County:	Grays Harbor
1/4 Section:	NE
Section:	26
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28575
Longitude:	-123.90601
WA state plane south (NAD 27, feet)	
East:	1,155,216
North:	730,308

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.35 miles south of the 7908/7950 junction.

Site Comments:

Downstream channel is excavated for 15 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.55
OHW (m)	1.95
Max Depth (m)	0.10

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	0.98

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.03
Rise (m)	0.74
Length (m)	9.01
Slope (%)	0.89
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0438

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7908
County:	Grays Harbor
1/4 Section:	NE
Section:	26
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28485
Longitude:	-123.90596
WA state plane south (NAD 27, feet)	
East:	1,155,215
North:	729,977

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.40 miles south of the 7908/7950 junction.

Site Comments:

Upstream of culvert is fed from ditch that drains wetland.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.60
OHW (m)	1.90
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.58
Rise (m)	0.63
Length (m)	7.21
Slope (%)	6.24
Bed Material	No
Outfall Drop (m)	0.70
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Unable to obtain toe width measurement due to wetland downstream and excavated channel upstream. The plunge pool is 1.5 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0439

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7908
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28462
Longitude: -123.90597
WA state plane south (NAD 27, feet)
East: 1,155,210
North: 729,895

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles south of the 7908/7950 junction.

Site Comments:

Wetland downstream of culvert. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/18/2003
Field Crew: Glore/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.60
OHW (m): 1.05
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.46
Length (m): 7.47
Slope (%): 2.28
Bed Material: No
Outfall Drop (m): 0.55
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Toe width measurement unavailable due to wetland habitat downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0440

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7908
County:	Grays Harbor
1/4 Section:	NE
Section:	26
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28224
Longitude:	-123.90661
WA state plane south (NAD 27, feet)	
East:	1,155,012
North:	729,036

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 7908/7908.01 junction.

Site Comments:

Road is failing, culvert is exposed for last half of length.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☒ Steelhead

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	2.65
OHW (m)	1.55
Max Depth (m)	0.60

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	0.62

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.65
Rise (m)	0.57
Length (m)	6.02
Slope (%)	-0.66
Bed Material	No
Outfall Drop (m)	0.59
WDIC (m)	0.09
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Large hole approximately 3 meters in length running along top of culvert at downstream end. Upstream end of culvert is severely deformed with approximately 1 meter torn off. Culvert is failing and needs replacement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0441

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7908
County:	Grays Harbor
1/4 Section:	NE
Section:	26
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28296
Longitude:	-123.90723
WA state plane south (NAD 27, feet)	
East:	1,154,871
North:	729,304

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the 7908/US 101 junction.

Site Comments:

Wetland upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	2.30
Max Depth (m)	0.50

CHANNEL DESCRIPTION

Toe Width (m)	1.25
Span/Toe Ratio	0.49

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	7.07
Slope (%)	3.11
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Log lodged in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0442

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7910
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28461
Longitude: -123.89037
WA state plane south (NAD 27, feet)
East: 1,159,077
North: 729,724

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hematite Cr 22.0073
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles northeast of the 7910/Donkey Cr Rd junction.

Site Comments:

Wetlands upstream and downstream. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/18/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m): 7.36
Slope (%): 0.82
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0443

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7910
County:	Grays Harbor
1/4 Section:	NE
Section:	25
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28237
Longitude:	-123.89237
WA state plane south (NAD 27, feet)	
East:	1,158,546
North:	728,930

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hematite Cr 22.0073
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles northeast of the 7910/Donkey Cr Rd junction.

Site Comments:

OHW > 0.60 meters. Wetlands upstream and downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	3.65
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.90
Rise (m)	0.90
Length (m)	9.41
Slope (%)	0.21
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.32
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0444

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7910.115
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28151
Longitude:	-123.90111
WA state plane south (NAD 27, feet)	
East:	1,156,365
North:	728,711

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hematite Cr 22.0073
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters southwest of the 7910/7910.115 junction.

Site Comments:

Survey stations (hub & tack) on road.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.70
OHW (m)	1.90
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.80

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.75
Length (m)	10.92
Slope (%)	3.94
Bed Material	No
Outfall Drop (m)	0.19
WDIC (m)	0.09
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Gradient break at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0445

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7910.0112
County:	Grays Harbor
1/4 Section:	NE
Section:	30
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28203
Longitude:	-123.87570
WA state plane south (NAD 27, feet)	
East:	1,162,676
North:	728,629

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0072
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters southeast of the 7910.011/7910.0112 junction.

Site Comments:

Wetland influence upstream and downstream, Toe/OHW measurements unavailable.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/18/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.40
OHW (m)	1.50
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.60
Length (m)	7.19
Slope (%)	0.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0446

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7910
County:	Grays Harbor
1/4 Section:	SE
Section:	19
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28859
Longitude:	-123.87083
WA state plane south (NAD 27, feet)	
East:	1,163,984
North:	730,967

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.65 miles northeast of the 7910/Donkey Cr Rd junction.

Site Comments:

Wetland habitat upstream and downstream. Downstream of wetland channel is braided.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/29/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.62
Length (m)	10.02
Slope (%)	0.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0447

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7910.09
County:	Grays Harbor
1/4 Section:	SE
Section:	19
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28820
Longitude:	-123.86902
WA state plane south (NAD 27, feet)	
East:	1,164,427
North:	730,805

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters south of the 7910/7910.09 junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/29/2004
Field Crew:	Glore/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	1.07

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.75
Rise (m)	0.75
Length (m)	9.21
Slope (%)	1.95
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Downstream of culvert, wetland with channel braiding. No definable plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0448

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7910
County: Grays Harbor
1/4 Section: SE
Section: 19
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28910
Longitude: -123.86630
WA state plane south (NAD 27, feet)
East: 1,165,115
North: 731,104

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 7910/7910.09 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Stream enters main stem approximately 15 meters downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/29/2003
Field Crew: Glore/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.01
Rise (m): 0.00
Length (m): 13.65
Slope (%): 0.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 13.65
Apron: No
Fill Depth (m): 1.70
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0449

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950.8104
County: Grays Harbor
1/4 Section: SE
Section: 18
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30231
Longitude: -123.87308
WA state plane south (NAD 27, feet)
East: 1,163,640
North: 735,989

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: O'Brien Cr 22.0104
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7950.8104/7950.811 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/29/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.35
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.15
Tidegate: No

Culvert Comments:

Upstream end of culvert deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0450

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950.8
County: Grays Harbor
1/4 Section: SW
Section: 18
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30731
Longitude: -123.87516
WA state plane south (NAD 27, feet)
East: 1,163,202
North: 737,835

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: O'Brien Cr 22.0104
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the 7950/7950.8 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/29/2003
Field Crew: Glore/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.66
OHW (m): 0.95
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.42
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.25
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

OHW measurement taken upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0451

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950
County:	Grays Harbor
1/4 Section:	NE
Section:	18
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31073
Longitude:	-123.87252
WA state plane south (NAD 27, feet)	
East:	1,163,910
North:	739,054

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	O'Brien Cr 22.0104
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 1.80 miles East of the 7950/US 101 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/29/2003
Field Crew:	Glore/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.05
OHW (m)	1.70
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.86

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.62
Length (m)	18.35
Slope (%)	0.22
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	1.40
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0452

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950
County: Grays Harbor
1/4 Section: NE
Section: 18
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31198
Longitude: -123.87076
WA state plane south (NAD 27, feet)
East: 1,164,367
North: 739,491

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: O'Brien Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0104
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.45 miles west of the 7950/7930 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/29/2003
Field Crew: Glore/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.45
OHW (m): 2.20
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.15
Span/Toe Ratio: 0.91

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.05
Rise (m): 1.10
Length (m): 11.95
Slope (%): 0.17
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.25
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:

Five structural support logs through length of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0453

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7950
County: Grays Harbor
1/4 Section: NE
Section: 18
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31225
Longitude: -123.87011
WA state plane south (NAD 27, feet)
East: 1,164,533
North: 739,582

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: O'Brien Cr 22.0104
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.0 miles east of the 7950/US 101 junction.

Site Comments:

Wetland upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/29/2003
Field Crew: Glore/Blatt/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.58

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.44
Length (m): 10.98
Slope (%): 0.91
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:

Culvert is above and off to right bank of main stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0454

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7950
County:	Grays Harbor
1/4 Section:	NE
Section:	18
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31231
Longitude:	-123.86390
WA state plane south (NAD 27, feet)	
East:	1,166,071
North:	739,536

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	O'Brien Cr 22.0104
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 7950/7930 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/29/2003
Field Crew:	Ricklefs/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	8.50
OHW (m)	4.50
Max Depth (m)	1.10

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	1.07

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.18
Rise (m)	1.24
Length (m)	18.45
Slope (%)	4.44
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.25
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0455

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30951
Longitude: -123.85806
WA state plane south (NAD 27, feet)
East: 1,167,475
North: 738,454

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: O'Brien Cr 22.0104
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the 7950/7930 junction.

Site Comments:

Abundant wind throw over stream channel.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/30/2003
Field Crew: Ricklefs/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.62
OHW (m): 1.32
Max Depth (m): 0.42

CHANNEL DESCRIPTION

Toe Width (m): 0.77
Span/Toe Ratio: 0.77

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.59
Rise (m): 0.61
Length (m): 10.99
Slope (%): 4.09
Bed Material: No
Outfall Drop (m): 0.29
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0456

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30485
Longitude: -123.85313
WA state plane south (NAD 27, feet)
East: 1,168,625
North: 736,707

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: O'Brien Cr 22.0104
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 7930/7930.5 junction.

Site Comments:

Marginal stream habitat upstream and downstream. OHW = 0.7 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/30/2003
Field Crew: Ricklefs/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.74
OHW (m): 1.09
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 0.58
Span/Toe Ratio: 0.78

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.46
Length (m): 9.11
Slope (%): 5.38
Bed Material: No
Outfall Drop (m): 0.22
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Logs impound plunge pool. Subsurface flow downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0457

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7931
County:	Grays Harbor
1/4 Section:	NW
Section:	20
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29761
Longitude:	-123.85372
WA state plane south (NAD 27, feet)	
East:	1,168,368
North:	734,072

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters northeast of the 7930/7931 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

Stream width measurements vary downstream due braiding.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/30/2003
Field Crew:	Ricklefs/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.85
OHW (m)	0.90
Max Depth (m)	0.17

CHANNEL DESCRIPTION

Toe Width (m)	0.53
Span/Toe Ratio	0.87

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.41
Length (m)	10.91
Slope (%)	1.83
Bed Material	No
Outfall Drop (m)	0.02
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.85
Tidegate	

Culvert Comments:

Upstream end of pipe deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0458

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7931
County:	Grays Harbor
1/4 Section:	NW
Section:	20
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29799
Longitude:	-123.85258
WA state plane south (NAD 27, feet)	
East:	1,168,656
North:	734,201

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the 7930/7931 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

Two streams converge immediately upstream of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/30/2003
Field Crew:	Ricklefs/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.71
OHW (m)	1.58
Max Depth (m)	0.36

CHANNEL DESCRIPTION

Toe Width (m)	1.07
Span/Toe Ratio	0.88

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.92
Length (m)	11.99
Slope (%)	4.25
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.07
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Downstream end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0459

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7931
County:	Grays Harbor
1/4 Section:	NE
Section:	20
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29909
Longitude:	-123.84976
WA state plane south (NAD 27, feet)	
East:	1,169,371
North:	734,570

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles northeast of the 7930/7931 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/30/2003
Field Crew:	Ricklefs/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.72
OHW (m)	1.92
Max Depth (m)	0.80

CHANNEL DESCRIPTION

Toe Width (m)	0.98
Span/Toe Ratio	0.77

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.75
Length (m)	10.77
Slope (%)	3.16
Bed Material	No
Outfall Drop (m)	1.08
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0460

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31363
Longitude: -123.86142
WA state plane south (NAD 27, feet)
East: 1,166,707
North: 739,994

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0107
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 7950/7930 junction.

Site Comments:

No stream channel upstream. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/30/2003
Field Crew: Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.20
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:

Downstream end of culvert is filled with woody debris and deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0461

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31552
Longitude: -123.85955
WA state plane south (NAD 27, feet)
East: 1,167,200
North: 740,663

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0107
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the 7950/7930 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/30/2003
Field Crew: Ricklefs/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.05
OHW (m): 2.82
Max Depth (m): 0.59

CHANNEL DESCRIPTION

Toe Width (m): 1.24
Span/Toe Ratio: 0.97

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.19
Length (m): 21.83
Slope (%): 4.17
Bed Material: No
Outfall Drop (m): 0.76
WDIC (m): 0.09
Apron: No
Fill Depth (m): 6.50
Tidegate: No

Culvert Comments:

7 log controls placed in stream channel perpendicular to flow, immediately downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0462

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: SW
Section: 8
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31738
Longitude: -123.85729
WA state plane south (NAD 27, feet)
East: 1,167,789
North: 741,315

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0107
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the 7930/7950 junction.

Site Comments:

Small basin upstream, braiding downstream.
OHW = 0.50 meters where braids converge.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew: Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.58
Rise (m): 0.59
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.11
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0463

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: SW
Section: 8
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31950
Longitude: -123.85630
WA state plane south (NAD 27, feet)
East: 1,168,068
North: 742,077

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0107
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles north of the 7930/7950 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Two small stream converge upstream of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/30/2003
Field Crew: Ricklefs/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.39
OHW (m): 1.91
Max Depth (m): 0.64

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m): 0.78
Span/Toe Ratio: 0.77

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.59
Length (m): 22.79
Slope (%): 2.46
Bed Material: No
Outfall Drop (m): 0.62
WDIC (m): 0.07
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0464

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32523
Longitude: -123.85280
WA state plane south (NAD 27, feet)
East: 1,169,023
North: 744,128

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters north of the 7930/7930.9 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Pond/wetland impounded upstream. Unable to measure OHW due to subsurface flow downstream which enters wetlands.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/30/2003
Field Crew: Ricklefs/Lutz
Barrier: Yes
Passability (%): 33
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.60
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.11
WDIC (m): 0.13
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:

Upstream end of culvert has a 3 meter vertical overflow intake with chain link debris guard. Unable to complete level A.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0465

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7930
County:	Grays Harbor
1/4 Section:	NW
Section:	8
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32634
Longitude:	-123.85341
WA state plane south (NAD 27, feet)	
East:	1,168,889
North:	744,541

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Newbury Cr 22.0111
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 7930/7930.9 junction.

Site Comments:

Pond/wetland impounded upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/30/2003
Field Crew:	Ricklefs/Lutz
Barrier	Yes
Passability (%)	33
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.93
OHW (m)	2.31
Max Depth (m)	0.52

CHANNEL DESCRIPTION

Toe Width (m)	1.22
Span/Toe Ratio	0.73

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.89
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.17
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Upstream end of culvert has a 3 meter vertical overflow intake with chain link debris guard. Unable to complete level A.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0466

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7930
County: Grays Harbor
1/4 Section: NE
Section: 8
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32932
Longitude: -123.84854
WA state plane south (NAD 27, feet)
East: 1,170,141
North: 745,575

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles north of the 7930/7930.9 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/30/2003
Field Crew: Ricklefs/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.84
Span/Toe Ratio: 1.83

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.54
Rise (m): 1.57
Length (m): 15.08
Slope (%): 0.80
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.16
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0467

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7951
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31378
Longitude:	-123.90735
WA state plane south (NAD 27, feet)	
East:	1,155,326
North:	740,536

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters southeast of the 7951/US 101 junction.

Site Comments:

Stream features are highly modified.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/8/2004
Field Crew:	Glore/Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	6.30
OHW (m)	2.45
Max Depth (m)	0.38

CHANNEL DESCRIPTION

Toe Width (m)	1.45
Span/Toe Ratio	0.42

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	12.12
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.37
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0468

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7960.001
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31918
Longitude: -123.90314
WA state plane south (NAD 27, feet)
East: 1,156,454
North: 742,459

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of the 7960/7960.001 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/8/2004
Field Crew: Glore/Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0469

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7960.001
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31835
Longitude: -123.90283
WA state plane south (NAD 27, feet)
East: 1,156,519
North: 742,153

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles south of the 7960/7960.001 junction.

Site Comments:

No well defined stream channel, unable to obtain OHW.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/8/2004
Field Crew: Glore/Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m):
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0470

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7960
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32311
Longitude:	-123.90610
WA state plane south (NAD 27, feet)	
East:	1,155,783
North:	743,922

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7960/US 101 junction.

Site Comments:

OHW = 3.05 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/8/2004
Field Crew:	Glore/Ricklefs/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	9.80
OHW (m)	5.40
Max Depth (m)	0.10

CHANNEL DESCRIPTION

Toe Width (m)	2.50
Span/Toe Ratio	0.99

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	SQSH
Material	CST
Span (m)	1.24
Rise (m)	0.85
Length (m)	7.67
Slope (%)	1.65
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	0.10
Tidegate	No

Culvert Comments:

Measurements may be effected by high flows. Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0470

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.23
Rise (m)	0.85
Length (m)	6.93
Slope (%)	-1.69
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	0.10
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank. Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0471

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7960
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32306
Longitude:	-123.90475
WA state plane south (NAD 27, feet)	
East:	1,156,117
North:	743,890

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 7960/US 101 junction.

Site Comments:

OHW = 3.10 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/8/2004
Field Crew:	Glore/Ricklefs/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.85
OHW (m)	1.80
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.58

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.46
Length (m)	15.12
Slope (%)	1.26
Bed Material	No
Outfall Drop (m)	0.03
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Channel is excavated downstream of culvert for approximately 150 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0472

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970.21
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33071
Longitude:	-123.89813
WA state plane south (NAD 27, feet)	
East:	1,157,878
North:	746,605

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7970.2/7970.21 junction.

Site Comments:

Unable to obtain accurate OHW measurement due to wetland habitat. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☒ Steelhead

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/8/2004
Field Crew:	Glore/Ricklefs/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	7.80
OHW (m)	3.05
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	7.18
Slope (%)	0.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert 1.2 is on left bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0472

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	7.27
Slope (%)	0.83
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0473

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970.21
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33029
Longitude:	-123.89904
WA state plane south (NAD 27, feet)	
East:	1,157,646
North:	746,464

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 7970.2/7970.21 junction.

Site Comments:

No well defined channel downstream, unable to obtain OHW measurement. Wetlands upstream and downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/8/2004
Field Crew:	Glore/Ricklefs/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.45
OHW (m)	1.35
Max Depth (m)	0.11

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.46
Length (m)	7.37
Slope (%)	-0.14
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.16
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Culvert 1.2 is on left bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0473

Fish Use:

Unk

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	7.33
Slope (%)	0.27
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0474

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7961.03
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31901
Longitude: -123.88982
WA state plane south (NAD 27, feet)
East: 1,159,754
North: 742,253

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0074
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 25 meters east of the 7961/7961.03 junction.

Site Comments:

OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/8/2004
Field Crew: Glore/Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0475

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7961.03
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31890
Longitude: -123.88979
WA state plane south (NAD 27, feet)
East: 1,159,759
North: 742,213

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0074
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters east of the 7961/7961.03 junction.

Site Comments:

OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/8/2004
Field Crew: Glore/Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0476

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7961.03
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31883
Longitude:	-123.88917
WA state plane south (NAD 27, feet)	
East:	1,159,912
North:	742,181

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0074
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters east of the 7961/7961.03 junction.

Site Comments:

OHW = 0.14 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/8/2004
Field Crew:	Glore/Ricklefs/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0477

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7961.03
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31880
Longitude: -123.88877
WA state plane south (NAD 27, feet)
East: 1,160,009
North: 742,167

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0074
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7961/7961.03 junction.

Site Comments:

OHW = 0.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/8/2004
Field Crew: Glore/Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.60
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0478

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7961.03
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31914
Longitude: -123.88754
WA state plane south (NAD 27, feet)
East: 1,160,320
North: 742,279

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0074
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east 7961/7961.03 junction.

Site Comments:

No well defined stream channel, unable to obtain OHW measurement.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/8/2004
Field Crew: Glore/Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0479

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7960
County:	Grays Harbor
1/4 Section:	NE
Section:	7
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32841
Longitude:	-123.87113
WA state plane south (NAD 27, feet)	
East:	1,164,530
North:	745,481

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the 7960/7965 junction.

Site Comments:

No stream channel upstream of culvert. OHW < 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/8/2004
Field Crew:	Glore/Ricklefs/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.42
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.38
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Slash and debris cluttering downstream channel. Dislodged chute at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0480

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7960
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32916
Longitude: -123.86930
WA state plane south (NAD 27, feet)
East: 1,164,995
North: 745,737

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles west of the 7960/7965 junction.

Site Comments:

No well defined stream channel, unable to measure OHW.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/8/2004
Field Crew: Glore/Ricklefs/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0481

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7960.43
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33068
Longitude: -123.87674
WA state plane south (NAD 27, feet)
East: 1,163,176
North: 746,369

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters east of the 7960.04/7960.043 junction.

Site Comments:

OHW > 0.60 meters. Site is a puncheon.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0482

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33160
Longitude:	-123.90598
WA state plane south (NAD 27, feet)	
East:	1,155,947
North:	747,015

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters east of the 7970/US 101 junction.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☒ Steelhead

OWNER

Name:	US Forest Service
Type:	Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/13/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.40
OHW (m)	1.96
Max Depth (m)	0.16

CHANNEL DESCRIPTION

Toe Width (m)	1.80
Span/Toe Ratio	0.61

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.10
Rise (m)	0.71
Length (m)	16.39
Slope (%)	1.53
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.10
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0483

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33138
Longitude:	-123.90219
WA state plane south (NAD 27, feet)	
East:	1,156,881
North:	746,895

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 7970/US 101 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/13/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.98
OHW (m)	3.34
Max Depth (m)	0.32

CHANNEL DESCRIPTION

Toe Width (m)	1.65
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.47
Length (m)	11.64
Slope (%)	2.58
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	No
Fill Depth (m)	0.35
Tidegate	No

Culvert Comments:

Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0483

Fish Use:

Unk

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.46
Length (m)	11.63
Slope (%)	1.03
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	0.35
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0484

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33208
Longitude:	-123.89892
WA state plane south (NAD 27, feet)	
East:	1,157,703
North:	747,116

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles east of the 7970/US 101 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

Site Comments:

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/13/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.93
OHW (m)	3.72
Max Depth (m)	0.49

CHANNEL DESCRIPTION

Toe Width (m)	3.86
Span/Toe Ratio	0.24

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	9.23
Slope (%)	2.28
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	0.85
Tidegate	No

Culvert Comments:

Wetland habitat upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0485

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971.01
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33389
Longitude:	-123.90235
WA state plane south (NAD 27, feet)	
East:	1,156,882
North:	747,811

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters east of the 7971/7971.01 junction.

Site Comments:

No well defined channel. Stream is formed by pools connected by surface flow.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.20
OHW (m)	3.60
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.62
Rise (m)	0.62
Length (m)	7.34
Slope (%)	1.09
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0486

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7971.1
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33612
Longitude: -123.89982
WA state plane south (NAD 27, feet)
East: 1,157,544
North: 748,597

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters west of the 7971/7971.1 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Unable to obtain OHW due to wetland habitat and stream channel braiding.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.53
OHW (m): 1.31
Max Depth (m): 0.35

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m): 6.99
Slope (%): 0.72
Bed Material: No
Outfall Drop (m): 0.14
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert 1.2 is on right bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0486

Fish Use:

Unk

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.51
Rise (m)	0.38
Length (m)	7.28
Slope (%)	0.55
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	0.65
Tidegate	No

Culvert Comments:

Culvert 2.2 is on left bank. Downstream end is deformed. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0487

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7971.1
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33607
Longitude: -123.89757
WA state plane south (NAD 27, feet)
East: 1,158,101
North: 748,554

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 7971/7971.1 junction.

Site Comments:

Unable to obtain OHW due to wetland.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.44
Length (m): 7.04
Slope (%): 0.71
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 0.65
Tidegate: No

Culvert Comments:

Stream flows subsurface for 7 meters downstream of culvert then enters wetland. Level B not applicable due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0488

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971.1
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33609
Longitude:	-123.89618
WA state plane south (NAD 27, feet)	
East:	1,158,446
North:	748,545

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 7971/7971.1 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

Unable to obtain OHW measurement due to poorly defined channel. Additional culvert 75 meters downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.31
OHW (m)	2.41
Max Depth (m)	0.20

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.31
Rise (m)	0.29
Length (m)	7.21
Slope (%)	0.14
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0489

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971.12
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33577
Longitude:	-123.89569
WA state plane south (NAD 27, feet)	
East:	1,158,562
North:	748,426

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters south of the 7971.1/7971.12 junction.

Site Comments:

Unable to obtain OHW measurement due to wetland habitat.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	3.05
Max Depth (m)	0.36

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.41
Length (m)	7.40
Slope (%)	1.35
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Downstream end of culvert is slightly deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0490

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7971.1
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33612
Longitude: -123.89501
WA state plane south (NAD 27, feet)
East: 1,158,735
North: 748,546

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters east of the 7971.1/7971.12 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Unable to obtain OHW due to wetland habitat. Abundance of large woody debris in wetland.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

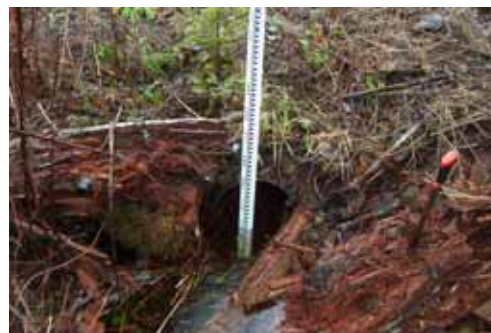
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.43
Length (m): 7.14
Slope (%): 3.36
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.22
Apron: No
Fill Depth (m): 0.90
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0491

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971.1
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33611
Longitude:	-123.89344
WA state plane south (NAD 27, feet)	
East:	1,159,123
North:	748,523

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7971.1/7971.12 junction.

Site Comments:

OHW measurements unobtainable due to wetland habitat.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.46
Length (m)	7.15
Slope (%)	0.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0492

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971.2
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33784
Longitude:	-123.90497
WA state plane south (NAD 27, feet)	
East:	1,156,294
North:	749,278

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles northwest of the 7971/7971.2 junction.

Site Comments:

Unable to obtain OHW due to wetland habitat. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.76
Length (m)	8.48
Slope (%)	2.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	0.65
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0493

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7971
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33981
Longitude: -123.89836
WA state plane south (NAD 27, feet)
East: 1,157,964
North: 749,927

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles north of the 7970/7971 junction.

Site Comments:

OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Glore/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.24
OHW (m): 1.64
Max Depth (m): 0.28

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.41
Length (m): 7.02
Slope (%): 0.14
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted and deformed. Stream channel braids DS of culvert. Level B completed on 2/23/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0494

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7971
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33983
Longitude: -123.89759
WA state plane south (NAD 27, feet)
East: 1,158,155
North: 749,926

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters east of the 7971/7971.3 junction.

Site Comments:

No defined stream channel, unable to obtain OHW.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.32
Rise (m): 0.32
Length (m): 7.20
Slope (%): 1.53
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.26
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:

Wetland pools, and braiding upstream and downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0495

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971.41
County:	Grays Harbor
1/4 Section:	NE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.34147
Longitude:	-123.89346
WA state plane south (NAD 27, feet)	
East:	1,159,203
North:	750,477

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters east of the 7971.4/7971.41 junction.

Site Comments:

OHW = 0.5 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.11
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0496

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971
County:	Grays Harbor
1/4 Section:	NE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33993
Longitude:	-123.89182
WA state plane south (NAD 27, feet)	
East:	1,159,585
North:	749,900

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7971/7971.4 junction.

Site Comments:

Unable to obtain OHW due to wetland habitat.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.66
OHW (m)	1.68
Max Depth (m)	0.43

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	7.02
Slope (%)	1.99
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.12
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Wetland habitat upstream and downstream of site.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0497

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7971
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33992
Longitude: -123.89119
WA state plane south (NAD 27, feet)
East: 1,159,742
North: 749,889

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 7971/7971.4 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.73
Span/Toe Ratio: 0.60

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.44
Rise (m): 0.45
Length (m): 7.11
Slope (%): 2.67
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.18
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:

Wetland downstream of culvert. Toe width measurement is estimated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0498

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971
County:	Grays Harbor
1/4 Section:	NE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.34019
Longitude:	-123.89019
WA state plane south (NAD 27, feet)	
East:	1,159,992
North:	749,978

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 7971/7971.4 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.77
OHW (m)	0.77
Max Depth (m)	0.29

CHANNEL DESCRIPTION

Toe Width (m)	0.68
Span/Toe Ratio	0.66

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	7.23
Slope (%)	1.58
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	0.70
Tidegate	No

Culvert Comments:

Substantial ditch delivery upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0499

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7971
County:	Grays Harbor
1/4 Section:	NE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.34095
Longitude:	-123.88803
WA state plane south (NAD 27, feet)	
East:	1,160,541
North:	750,231

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles east of the 7971/7971.4 junction.

Site Comments:

Wetlands upstream and downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	0.88
OHW (m)	0.56
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	7.11
Slope (%)	2.53
Bed Material	No
Outfall Drop (m)	0.08
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

Stream channel braiding and wetland habitat downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0500

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7971
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34154
Longitude: -123.88681
WA state plane south (NAD 27, feet)
East: 1,160,852
North: 750,433

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the 7971/7971.4 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.65
Tidegate: No

Culvert Comments:

No defined channel upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0501

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33307
Longitude:	-123.89663
WA state plane south (NAD 27, feet)	
East:	1,158,287
North:	747,451

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles east of the 7970/US 101 junction.

Site Comments:

Very large amount of windfall downstream of culvert. Wetland upstream of culvert with pooling and subsurface flow downstream. Unable to measure OHW.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.50
OHW (m)	4.58
Max Depth (m)	0.58

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.59
Length (m)	12.22
Slope (%)	1.31
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	0.85
Tidegate	No

Culvert Comments:

Abundance of debris in plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0502

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33336
Longitude:	-123.89598
WA state plane south (NAD 27, feet)	
East:	1,158,451
North:	747,548

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.55 miles east of the 7970/US 101 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

Site Comments:

Unable to obtain OHW measurement due to subsurface flows and scattered pools.

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/14/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.65
OHW (m)	1.95
Max Depth (m)	0.24

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	9.30
Slope (%)	1.61
Bed Material	No
Outfall Drop (m)	0.06
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.85
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0503

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7970
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33376
Longitude: -123.89381
WA state plane south (NAD 27, feet)
East: 1,158,995
North: 747,673

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles east of the US 101/7970 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Pooled water upstream with wetland qualities. Stream fans out downstream, then flows subsurface.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/14/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.60
Length (m): 9.93
Slope (%): 1.51
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.07
Apron: No
Fill Depth (m): 0.88
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0504

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4012
County: Grays Harbor
1/4 Section: SE
Section: 24
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.03076
Longitude: -123.99227
WA state plane south (NAD 27, feet)
East: 1,129,713
North: 638,331

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grass Cr 22.0135
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 4012/4012.3 junction.

Site Comments:

OHW = 0.70 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Jean Bolton ET AL
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/13/2004
Field Crew: Glore/McCaffree
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 0.90
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.64

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.48
Length (m): 18.63
Slope (%): 3.20
Bed Material: No
Outfall Drop (m): 1.40
WDIC (m): 0.04
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0505

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4012
County:	Grays Harbor
1/4 Section:	SE
Section:	24
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.02923
Longitude:	-123.99086
WA state plane south (NAD 27, feet)	
East:	1,130,039
North:	637,759

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Grass Cr 22.0135
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 25 meters north of the 4012/4012.3 junction.

Site Comments:

OHW = 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/13/2003
Field Crew:	Glore/McCaffree
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.00
OHW (m)	2.70
Max Depth (m)	0.85

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	0.65

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.39
Rise (m)	0.40
Length (m)	12.36
Slope (%)	2.51
Bed Material	No
Outfall Drop (m)	0.41
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Confluence with larger stream approximately 15 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0506

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33395
Longitude:	-123.88806
WA state plane south (NAD 27, feet)	
East:	1,160,422
North:	747,680

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.95 miles east of the 7970/US 101 junction.

Site Comments:

Additional culvert 15 meters west. OHW = 1.35 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2004
Field Crew:	Ricklefs/Job
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	1.80
Max Depth (m)	0.60

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	1.38

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.10
Rise (m)	0.65
Length (m)	9.70
Slope (%)	2.27
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Stream flows for 25 meters then converges with larger stream flowing from culvert 127H0507.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0507

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33398
Longitude:	-123.88828
WA state plane south (NAD 27, feet)	
East:	1,160,370
North:	747,694

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.95 miles east of the 7970/US 101 junction.

Site Comments:

OHW = 1.50 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2004
Field Crew:	Ricklefs/Job
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	2.20
Max Depth (m)	0.28

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	1.00

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.10
Rise (m)	0.66
Length (m)	9.68
Slope (%)	1.86
Bed Material	No
Outfall Drop (m)	0.44
WDIC (m)	0.10
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

Culvert 127H0506 is 15 meters west.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0508

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7970
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33348
Longitude:	-123.88621
WA state plane south (NAD 27, feet)	
East:	1,160,874
North:	747,488

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Steven's Cr 22.0064
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 30 meters west of the 7970/7970.08 junction.

Site Comments:

No defined stream channel. Excavated downstream for 25 meters with no outlet.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2004
Field Crew:	Ricklefs/Job
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.44
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0509

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7970
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33229
Longitude: -123.88371
WA state plane south (NAD 27, feet)
East: 1,161,474
North: 747,030

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Steven's Cr
Tributary To: Humptulips R 22.0004
WRIA: 22.0064
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is immediately west of the 7970/FS 2220 junction.

Site Comments:

OHW =7.20 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 20.00
OHW (m): 6.30
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m): 5.20
Span/Toe Ratio: 0.93

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 4.85
Rise (m): 2.90
Length (m): 17.38
Slope (%): 1.67
Bed Material: No
Outfall Drop (m): 0.27
WDIC (m): 0.13
Apron: No
Fill Depth (m): 1.70
Tidegate: No

Culvert Comments:

Backwatered, side channel on right bank, upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0510

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7960.042
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33138
Longitude: -123.88032
WA state plane south (NAD 27, feet)
East: 1,162,300
North: 746,660

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 7970/7960.042 junction.

Site Comments:

Site is a puncheon. OHW =2.10 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0511

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33507
Longitude: -123.87616
WA state plane south (NAD 27, feet)
East: 1,163,389
North: 747,960

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles northeast of the 7960.042/FS 2220 junction.

Site Comments:

OHW difficult to measure. Wetted width is = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.52
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m):
Apron: No
Fill Depth (m): 1.70
Tidegate: No

Culvert Comments:

Stream flows subsurface, approximately 10m downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0512

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33557
Longitude: -123.87466
WA state plane south (NAD 27, feet)
East: 1,163,768
North: 748,128

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles northeast of the FS 2220/7960.042 junction.

Site Comments:

Subsurface flow begins 7 meters downstream of culvert. Stevens Creek is 50 meters downstream. OHW = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0513

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33612
Longitude: -123.87363
WA state plane south (NAD 27, feet)
East: 1,164,032
North: 748,317

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northeast of the FS 2220/7960.042 junction.

Site Comments:

OHW = 0.70 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.30
OHW (m): 0.70
Max Depth (m): 0.18

CHANNEL DESCRIPTION

Toe Width (m): 0.45
Span/Toe Ratio: 1.22

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.55
Rise (m): 0.59
Length (m): 12.02
Slope (%): 3.60
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.25
Tidegate: No

Culvert Comments:

Stream converges with larger stream 25 meters downstream. Small series of cascades 2 meters upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0514

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33660
Longitude: -123.87272
WA state plane south (NAD 27, feet)
East: 1,164,264
North: 748,483

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles northeast of the 7960.042/FS 2220 junction.

Site Comments:

OHW = 0.60 meters. Stream width close to non-fish use.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.00
OHW (m): 0.80
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m): 0.35
Span/Toe Ratio: 1.66

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.58
Rise (m): 0.55
Length (m): 11.08
Slope (%): 3.30
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0515

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SE
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33732
Longitude: -123.87046
WA state plane south (NAD 27, feet)
East: 1,164,836
North: 748,723

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Steven's Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles northeast of the 7960.042/FS 2220 junction.

Site Comments:

OHW = 1.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.50
OHW (m): 1.90
Max Depth (m): 0.36

CHANNEL DESCRIPTION

Toe Width (m): 0.90
Span/Toe Ratio: 1.00

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.92
Length (m): 13.39
Slope (%): 4.90
Bed Material: No
Outfall Drop (m): 0.08
WDIC (m): 0.08
Apron: No
Fill Depth (m): 0.90
Tidegate: No

Culvert Comments:

Scattered large woody debris in channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0516

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33871
Longitude: -123.86724
WA state plane south (NAD 27, feet)
East: 1,165,656
North: 749,193

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is immediately west of the FS 2220/FS 2220.020 junction.

Site Comments:

OHW > 0.60 meters. Stream channel braided downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 1.35
Max Depth (m): 0.28

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.63
Length (m): 12.64
Slope (%): 5.46
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.40
Tidegate: No

Culvert Comments:

Toe width measurement no available due to DS braiding.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0517

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34042
Longitude: -123.86390
WA state plane south (NAD 27, feet)
East: 1,166,508
North: 749,783

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the FS 2220/FS 2220.031 junction.

Site Comments:

OHW = 0.70 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.50

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m): 12.46
Slope (%): 6.30
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0518

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34343
Longitude: -123.86289
WA state plane south (NAD 27, feet)
East: 1,166,807
North: 750,867

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles northeast of the FS 2220/FS 2220.031 junction.

Site Comments:

OHW = 1.00 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.80
OHW (m): 2.00
Max Depth (m): 0.37

CHANNEL DESCRIPTION

Toe Width (m): 0.90
Span/Toe Ratio: 1.00

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.80
Length (m): 12.32
Slope (%): 3.70
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.08
Apron: No
Fill Depth (m): 0.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0519

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34379
Longitude: -123.86060
WA state plane south (NAD 27, feet)
East: 1,167,380
North: 750,976

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Newbury Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0111
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northeast of the FS 2220/FS 2220.031 junction.

Site Comments:

OHW = 5.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.00
OHW (m): 8.00
Max Depth (m): 1.50

CHANNEL DESCRIPTION

Toe Width (m): 3.20
Span/Toe Ratio: 0.94

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 3.00
Rise (m): 3.00
Length (m): 21.76
Slope (%): -1.01
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.28
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Streambed material through approximately 75% of pipe. Culvert is sloped inversely. Good candidate for replacement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0520

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34158
Longitude: -123.85968
WA state plane south (NAD 27, feet)
East: 1,167,573
North: 750,159

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles east of the FS 2220/FS 2220.031 junction.

Site Comments:

OHW =1.05 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.20
OHW (m): 1.50
Max Depth (m): 0.85

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 1.07

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.75
Rise (m): 0.75
Length (m): 19.47
Slope (%): 4.01
Bed Material: No
Outfall Drop (m): 1.30
WDIC (m): 0.05
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Gradient break in culvert where precast concrete segments are joined. Moderate gradient upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0521

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34120
Longitude: -123.85262
WA state plane south (NAD 27, feet)
East: 1,169,316
North: 749,948

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of the FS 2220/FS 2220.039 junction.

Site Comments:

OHW = 0.70 meters. Possible gradient barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.00
OHW (m): 0.55
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.55

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m): 10.94
Slope (%): 4.80
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Small seep joins channel 10 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0522

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 5
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34172
Longitude: -123.84813
WA state plane south (NAD 27, feet)
East: 1,170,436
North: 750,088

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the FS 2220/Fs 2220.040 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

OHW = 1.90 meters. Series of small cascades with good gravel and scattered boulders in channel.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.60
OHW (m): 1.25
Max Depth (m): 0.33

CHANNEL DESCRIPTION

Toe Width (m): 1.00
Span/Toe Ratio: 1.20

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 1.20
Rise (m): 1.20
Length (m): 19.65
Slope (%): 1.40
Bed Material: No
Outfall Drop (m): 1.32
WDIC (m): 0.12
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Good candidate for replacement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0523

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 5
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34094
Longitude: -123.84569
WA state plane south (NAD 27, feet)
East: 1,171,029
North: 749,779

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Newbury Cr 22.0111
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the FS 2220/FS 2220.040 junction.

Site Comments:

OHW = 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.40
OHW (m): 0.95
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.35
Span/Toe Ratio: 1.77

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.58
Length (m): 19.51
Slope (%): 7.89
Bed Material: No
Outfall Drop (m): 0.09
WDIC (m): 0.01
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is slightly deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0524

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NW
Section: 4
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34106
Longitude: -123.83969
WA state plane south (NAD 27, feet)
East: 1,172,515
North: 749,761

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters east of the FS 2220/FS 2220.059 junction.

Site Comments:

OHW = 1.20 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2004
Field Crew: Ricklefs/Job
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 1.86

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.30
Rise (m): 1.20
Length (m): 28.99
Slope (%): 5.48
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m):
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0525

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 33
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34802
Longitude: -123.83193
WA state plane south (NAD 27, feet)
East: 1,174,546
North: 752,215

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the FS 2220/FS 2220.070 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

Site Comments:

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.50
Span/Toe Ratio: 0.65

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.97
Rise (m): 1.15
Length (m): 28.50
Slope (%): 22.28
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 9.50
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0526

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 33
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35142
Longitude: -123.83015
WA state plane south (NAD 27, feet)
East: 1,175,038
North: 753,434

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of the FS 2220/FS 2220.0.80 junction.

Site Comments:

Stream flows into larger creek 20 meters downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.90
Span/Toe Ratio: 1.82

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.64
Rise (m): 0.98
Length (m): 14.82
Slope (%): 13.83
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0527

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 33
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35164
Longitude: -123.83002
WA state plane south (NAD 27, feet)
East: 1,175,075
North: 753,515

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the FS 2220/FS 2220.080 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.20
OHW (m): 1.20
Max Depth (m): 0.32

CHANNEL DESCRIPTION

Toe Width (m): 1.05
Span/Toe Ratio: 1.27

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.33
Rise (m): 1.40
Length (m): 18.78
Slope (%): 4.63
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.10
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Upstream of culvert stream channel braids and gradient increasers.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0528

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36111
Longitude: -123.82340
WA state plane south (NAD 27, feet)
East: 1,176,859
North: 756,896

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grouse Cr 22.0113
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles north of the FS 2220/FS 2220.080 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.00
OHW (m): 3.80
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 2.20
Span/Toe Ratio: 0.75

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.64
Rise (m): 1.70
Length (m): 23.93
Slope (%): 9.20
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.20
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0529

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36164
Longitude: -123.82331
WA state plane south (NAD 27, feet)
East: 1,176,889
North: 757,087

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grouse Cr. 22.0113
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles north of the FS 2220/FS 2220.080 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.40
OHW (m): 0.80
Max Depth (m): 0.38

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.76

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 18.74
Slope (%): 9.45
Bed Material: No
Outfall Drop (m): 1.20
WDIC (m): 0.05
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0530

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36520
Longitude: -123.82067
WA state plane south (NAD 27, feet)
East: 1,177,599
North: 758,359

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grouse Cr. 22.0113
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile north of the FS 2220/FS 2220.080 junction.

Site Comments:

OHW = 0.20 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.10
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0531

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36679
Longitude: -123.82080
WA state plane south (NAD 27, feet)
East: 1,177,590
North: 758,939

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grouse Cr. 22.0113
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.10 miles north of the FS 2220/FS 2220.080 junction.

Site Comments:

OHW = 0.90 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.87
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.48
Length (m): 10.28
Slope (%): 4.67
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.20
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0532

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36855
Longitude: -123.82073
WA state plane south (NAD 27, feet)
East: 1,177,634
North: 759,580

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Grouse Cr
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0113
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles north of the FS 2220/FS 2220.080 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 12.00
OHW (m): 7.00
Max Depth (m): 3.50

CHANNEL DESCRIPTION

Toe Width (m): 4.70
Span/Toe Ratio: 0.49

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 3.30
Rise (m): 3.50
Length (m): 28.83
Slope (%): 8.90
Bed Material: No
Outfall Drop (m): 1.20
WDIC (m): 0.30
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert outfall is onto basalt bedrock, forms a slide into the plunge pool. Culvert is beveled on both ends.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0533

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37194
Longitude: -123.81619
WA state plane south (NAD 27, feet)
East: 1,178,810
North: 760,768

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grouse Cr 22.0113
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 30 meters southwest of the FS 2220/FS 2220.090 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.50

POTENTIAL HABITAT GAIN

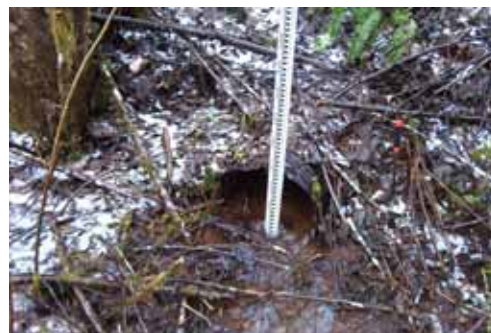
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.40
Rise (m): 0.32
Length (m): 13.66
Slope (%): 4.17
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0534

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 22
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37567
Longitude: -123.81362
WA state plane south (NAD 27, feet)
East: 1,179,505
North: 762,102

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Grouse Cr 22.0113
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the FS 2220/FS 2220.083 junction.

Site Comments:

Unable to measure OHW due to poor channel morphology.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.44
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0535

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SW
Section: 22
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37834
Longitude: -123.81180
WA state plane south (NAD 27, feet)
East: 1,179,996
North: 763,053

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters north of the FS 2220/FS 2220.083 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.36
OHW (m): 3.18
Max Depth (m): 0.98

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 0.81

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.30
Rise (m): 1.44
Length (m): 27.17
Slope (%): 8.39
Bed Material: No
Outfall Drop (m): 1.50
WDIC (m): 0.10
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0536

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NW
Section: 22
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38004
Longitude: -123.81147
WA state plane south (NAD 27, feet)
East: 1,180,104
North: 763,669

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the FS 2220/FS 2220.083 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/22/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 1.55

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.70
Rise (m): 1.42
Length (m): 13.74
Slope (%): 5.70
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop. New culvert, need to recheck for substrate transport.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0537

Fish Use: No

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 22
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38401
Longitude: -123.80561
WA state plane south (NAD 27, feet)
East: 1,181,614
North: 765,057

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☐ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Phillip's Cr.
Tributary To: Chester Cr 22.0116
WRIA: 22.0117
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the FS 2220/FS 2220.088 junction.

Site Comments:

Natural point barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/23/2004
Field Crew: Glore/McCaffree/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 10.75
OHW (m): 5.60
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m): 7.80
Span/Toe Ratio: 0.47

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 3.63
Rise (m): 3.38
Length (m): 23.55
Slope (%): 2.17
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.47
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Upstream of culvert, rip-rap placed on both banks of stream as well as over the culvert. Exposed bedrock downstream



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0538

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 22
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38515
Longitude: -123.80378
WA state plane south (NAD 27, feet)
East: 1,182,085
North: 765,454

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Phillips Cr 22.0117
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2220/FS 2220.089 junction.

Site Comments:

No defined stream channel. Water collecting at upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/23/2004
Field Crew: Glore/McCaffree/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.53
Rise (m): 0.53
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.92
WDIC (m): 0.03
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0539

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2280
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39058
Longitude:	-123.80103
WA state plane south (NAD 27, feet)	
East:	1,182,849
North:	767,404

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chester Cr 22.0116
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2280/FS 2220 junction.

Site Comments:

Gradient increases upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/23/2004
Field Crew:	Glore/McCaffree/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	0.65
OHW (m)	0.60
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	2.05
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.21
Length (m)	13.95
Slope (%)	10.59
Bed Material	No
Outfall Drop (m)	0.15
WDIC (m)	0.07
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0540

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2280
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39204
Longitude:	-123.80223
WA state plane south (NAD 27, feet)	
East:	1,182,573
North:	767,949

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chester Cr 22.0116
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the FS 2280/FS 2220 junction.

Site Comments:

Gradient barrier upstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/23/2004
Field Crew:	Glore/McCaffree/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.64
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.60
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0541

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2280
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39320
Longitude:	-123.80286
WA state plane south (NAD 27, feet)	
East:	1,182,436
North:	768,379

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chester Cr 22.0116
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the FS 2220/ FS 2280 junction.

Site Comments:

Possible gradient barrier upstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/23/2004
Field Crew:	Glore/McCaffree/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.03

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.63
Length (m)	11.95
Slope (%)	12.30
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop. Upstream end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0542

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2280
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39309
Longitude: -123.80459
WA state plane south (NAD 27, feet)
East: 1,182,005
North: 768,356

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles north of the FS 2280/FS 2220 junction.

Site Comments:

Gradient barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/23/2004
Field Crew: Glore/McCaffree/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.87

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.59
Length (m): 18.39
Slope (%): 17.94
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Downstream end of culvert is broken off, remainder of culvert is recessed into the hillside. No plunge pool riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0543

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2280
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39111
Longitude: -123.80503
WA state plane south (NAD 27, feet)
East: 1,181,867
North: 767,639

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.90 miles north of the FS 2280/FS 2220 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/23/2004
Field Crew: Glore/McCaffree/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.22
Rise (m): 1.18
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 25.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0544

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2280
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38926
Longitude: -123.80856
WA state plane south (NAD 27, feet)
East: 1,180,965
North: 767,002

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Phillips Cr 22.0117
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles north of the FS 2280/FS 2220 junction.

Site Comments:

OHW = 0.30 meters. Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/23/2004
Field Crew: Glore/McCaffree/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.45
WDIC (m):
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0545

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2280
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39694
Longitude: -123.81697
WA state plane south (NAD 27, feet)
East: 1,179,001
North: 769,887

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the FS 2280/FS 2280.050 junction.

Site Comments:

Gradient barrier upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/23/2004
Field Crew: Glore/McCaffree/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.75
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m):
Apron: No
Fill Depth (m): 0.10
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0546

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	33
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08509
Longitude:	-124.05242
WA state plane south (NAD 27, feet)	
East:	1,115,620
North:	658,796

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Burg Sl
Tributary To:	Humptulips R 22.0004
WRIA:	22.0006
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is on private access road @ 1314 Ocean Beach Rd, approximately 0.10 miles east of the private access road/Robertson Schoolhouse Rd junction.

Site Comments:

OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	William T Dineen
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/26/2004
Field Crew:	Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	13.35
OHW (m)	5.54
Max Depth (m)	1.46

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.90
Rise (m)	0.90
Length (m)	11.98
Slope (%)	-0.83
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.55
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0547

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	33
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08492
Longitude:	-124.05124
WA state plane south (NAD 27, feet)	
East:	1,115,912
North:	658,720

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Burg SI 22.0006
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is on private access road @ 1314 Ocean Beach Rd, approximately 0.15 miles east of the private access road/Robertson Schoolhouse Rd junction.

Site Comments:

Stream flows for approximately 40 meters into Burg Slough. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	William T Dineer
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/26/2004
Field Crew:	Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.34
OHW (m)	2.17
Max Depth (m)	0.54

CHANNEL DESCRIPTION

Toe Width (m)	2.08
Span/Toe Ratio	0.19

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.39
Rise (m)	0.40
Length (m)	6.58
Slope (%)	-0.15
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.57
Apron	No
Fill Depth (m)	1.30
Tidegate	No

Culvert Comments:

Culvert is submerged under water. Debris in upstream end of culvert which is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0548

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09034
Longitude: -124.03661
WA state plane south (NAD 27, feet)
East: 1,119,641
North: 660,531

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Burg SI 22.0006
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

From the northeast corner of Robertson Schoolhouse road, head east across pasture. Turn northeast at "Y" at 0.50 miles down the road, culvert is approximately 0.6 miles further.

Site Comments:

Wetland upstream of culvert due to beaver activity, culvert is clogged with debris. OHW = 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: PB Lumber LLP
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/6/2004
Field Crew: Glore/McCaffree
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.64

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m): 5.86
Slope (%): 4.78
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:

Clogged culvert causing water to flow over road. No plunge pool as stream riffle at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0549

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	34
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08937
Longitude:	-124.02670
WA state plane south (NAD 27, feet)	
East:	1,122,090
North:	660,067

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Burg SI 22.0006
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

From the northeast corner of Robertson Schoolhouse road, head east across pasture. Turn northeast at "Y" at 0.50 miles down the road, culvert is approximately 1.40 miles further.

Site Comments:

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	PB Lumber LLP
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/26/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	0.79

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.19
Rise (m)	1.19
Length (m)	11.45
Slope (%)	1.90
Bed Material	No
Outfall Drop (m)	0.11
WDIC (m)	0.15
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Outfall is onto clay substrate with no plunge pool formed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0550

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SE
Section: 34
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08649
Longitude: -124.03451
WA state plane south (NAD 27, feet)
East: 1,120,100
North: 659,104

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0011
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

From the northeast corner of Robertson Schoolhouse road, head east across pasture. Turn northeast at "Y" at 0.50 miles down the road, culvert is approximately 0.65 miles further.

Site Comments:

Site is puncheon.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: PB Lumber LLP
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0551

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	34
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.09062
Longitude:	-124.02645
WA state plane south (NAD 27, feet)	
East:	1,122,174
North:	660,519

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0011
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

From the northeast corner of Robertson Schoolhouse road, head east across pasture. Turn northeast at "Y" approximately 0.5 miles down the road, culvert is approximately 1.3

Site Comments:

Beaver dam approximately 5 meters upstream.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☐ Steelhead

OWNER

Name:	PB Lumber LLP
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/27/2004
Field Crew:	Glore/Ricklefs
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.65
OHW (m)	1.20
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	0.63

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.62
Length (m)	11.36
Slope (%)	1.23
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.65
Tidegate	No

Culvert Comments:

Culvert flows at an angle to the road, not perpendicular.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0552

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 22
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38699
Longitude: -123.80085
WA state plane south (NAD 27, feet)
East: 1,182,838
North: 766,093

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters east of the FS 2280/FS 2220 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.42
OHW (m): 1.40
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.50
Span/Toe Ratio: 0.31

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.45
Length (m): 15.67
Slope (%): 10.00
Bed Material: No
Outfall Drop (m): 0.32
WDIC (m): 0.09
Apron: No
Fill Depth (m): 1.90
Tidegate: No

Culvert Comments:

Approximately 8 meters downstream of culvert stream becomes wider.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0553

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38938
Longitude: -123.79832
WA state plane south (NAD 27, feet)
East: 1,183,501
North: 766,938

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the FS 2280/FS 2220 junction.

Site Comments:

Gradient increases upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.77
OHW (m): 2.62
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 1.55
Span/Toe Ratio: 0.76

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.18
Rise (m): 1.20
Length (m): 15.82
Slope (%): 7.60
Bed Material: No
Outfall Drop (m): 1.02
WDIC (m): 0.12
Apron: No
Fill Depth (m): 1.70
Tidegate: No

Culvert Comments:

Stream converges with larger stream approximately 40 meters downstream of site.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0554

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NW
Section: 23
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38549
Longitude: -123.79689
WA state plane south (NAD 27, feet)
East: 1,183,796
North: 765,506

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the FS 2220/FS 2220.110 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.31
OHW (m): 3.75
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m): 1.89
Span/Toe Ratio: 0.40

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.76
Rise (m): 0.76
Length (m): 12.93
Slope (%): 2.40
Bed Material: No
Outfall Drop (m): 0.31
WDIC (m): 0.19
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:

Good candidate for replacement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0555

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2220
County: Grays Harbor
1/4 Section: NE
Section: 22
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38237
Longitude: -123.79744
WA state plane south (NAD 27, feet)
East: 1,183,611
North: 764,374

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of the FS 2220.110/FS 2220 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 3.74
OHW (m): 2.08
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.62
Rise (m): 0.62
Length (m): 11.60
Slope (%):
Bed Material: No
Outfall Drop (m): 3.85
WDIC (m): 0.17
Apron: No
Fill Depth (m): 1.60
Tidegate: No

Culvert Comments:

Estimated length measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0556

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37756
Longitude: -123.79452
WA state plane south (NAD 27, feet)
East: 1,184,261
North: 762,590

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the FS 2220/FS 2204 junction.

Site Comments:

Possible natural point barrier downstream of culvert. Stream flows into WF Humptulips Gorge.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.94
OHW (m): 2.79
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 0.93
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.45
Rise (m): 0.45
Length (m): 11.09
Slope (%): 2.20
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.29
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0557

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 23
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38658
Longitude: -123.79161
WA state plane south (NAD 27, feet)
East: 1,185,118
North: 765,848

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles north of the FS 2220/FS 2204 junction.

Site Comments:

Stream flows subsurface downstream of culvert. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.21
OHW (m): 2.71
Max Depth (m): 0.49

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.41
Rise (m): 0.40
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.80
Tidegate: No

Culvert Comments:

Culvert is rusted out at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0558

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 23
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38724
Longitude: -123.79121
WA state plane south (NAD 27, feet)
East: 1,185,228
North: 766,083

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles north of the FS 2220/FS 2204 junction.

Site Comments:

No well defined stream channel, toe width and OHW variable due to fanning out of channel.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.46
Rise (m): 0.47
Length (m): 9.04
Slope (%): 1.66
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 0.45
Tidegate: No

Culvert Comments:

Discarded culvert pieces downstream of culvert in stream channel. Riffle at downstream end of culvert, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0559

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38858
Longitude: -123.79165
WA state plane south (NAD 27, feet)
East: 1,185,139
North: 766,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles north of the FS 2220/FS 2204 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.24
OHW (m): 2.24
Max Depth (m): 0.73

CHANNEL DESCRIPTION

Toe Width (m): 0.85
Span/Toe Ratio: 0.45

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.43
Length (m): 15.46
Slope (%): 4.92
Bed Material: No
Outfall Drop (m): 0.94
WDIC (m): 0.08
Apron: No
Fill Depth (m): 2.90
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0560

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39094
Longitude: -123.79155
WA state plane south (NAD 27, feet)
East: 1,185,200
North: 767,437

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.90 miles north of the FS 2204/2220 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 2.38
Span/Toe Ratio: 0.26

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.62
Rise (m): 0.62
Length (m): 17.00
Slope (%): 4.00
Bed Material: No
Outfall Drop (m): 0.18
WDIC (m): 0.15
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Outfall drop is onto rock substrate, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0561

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39438
Longitude: -123.79386
WA state plane south (NAD 27, feet)
East: 1,184,681
North: 768,716

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles north of the FS 2204/FS 2220 junction.

Site Comments:

OHW = 0.47 meters. Gradient barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.90
OHW (m): 1.64
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.39
Rise (m): 0.39
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0562

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39589
Longitude: -123.79385
WA state plane south (NAD 27, feet)
East: 1,184,706
North: 769,266

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles north of the FS 2204/FS 2220 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.61
OHW (m): 1.70
Max Depth (m): 0.18

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.39
Rise (m): 0.40
Length (m): 13.47
Slope (%): 15.90
Bed Material: No
Outfall Drop (m): 0.83
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Upstream end of culvert is separated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0563

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39720
Longitude: -123.79496
WA state plane south (NAD 27, feet)
East: 1,184,453
North: 769,752

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.35 miles north of the FS 2204/FS 2220 junction.

Site Comments:

Possible gradient barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.30
OHW (m): 1.15
Max Depth (m): 0.12

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.64

POTENTIAL HABITAT GAIN

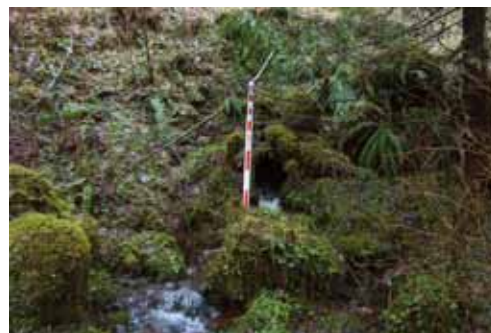
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.45
Rise (m): 0.41
Length (m): 14.76
Slope (%): 16.50
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.08
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

downstream end of culvert, top half torn off.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0564

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39832
Longitude: -123.79532
WA state plane south (NAD 27, feet)
East: 1,184,381
North: 770,164

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles north of the FS 2204/FS 2220 junction.

Site Comments:

Gradient barrier downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.40
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.85
WDIC (m): 0.09
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0565

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40071
Longitude: -123.79334
WA state plane south (NAD 27, feet)
East: 1,184,907
North: 771,014

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.65 miles north of the FS 2204/FS 2220 junction.

Site Comments:

Natural point barrier downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.02
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0566

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40138
Longitude: -123.79236
WA state plane south (NAD 27, feet)
East: 1,185,158
North: 771,250

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.70 miles north of the FS 2204/FS 2220 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.40
Rise (m): 0.36
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.40
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Outfall drop is onto debris pile.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0567

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40193
Longitude: -123.79175
WA state plane south (NAD 27, feet)
East: 1,185,319
North: 771,445

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles north of the FS 2204/FS 2220 junction.

Site Comments:

Gradient barrier downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.41
Rise (m): 0.38
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.10
WDIC (m): 0.18
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Outfall drop is onto steep slope, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0568

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40427
Longitude: -123.78861
WA state plane south (NAD 27, feet)
East: 1,186,131
North: 772,263

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 10 meters south of the FS 2204/FS 2204.068 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

Gradient barrier upstream of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.72
OHW (m): 2.03
Max Depth (m): 0.38

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 0.52

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.38
Length (m): 22.35
Slope (%): 11.81
Bed Material: No
Outfall Drop (m): 1.05
WDIC (m): 0.07
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0569

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40518
Longitude: -123.78757
WA state plane south (NAD 27, feet)
East: 1,186,401
North: 772,587

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the FS 2204/FS 2204.068 junction.

Site Comments:

Downstream of culvert stream forms an incised channel with intermittent subsurface flow.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 1.05
Max Depth (m): 0.24

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.70

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.48
Length (m): 14.33
Slope (%): 10.61
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.70
Tidegate: No

Culvert Comments:

Bottom of culvert is rusted out at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0570

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40904
Longitude: -123.78387
WA state plane south (NAD 27, feet)
East: 1,187,376
North: 773,954

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chester Cr 22.0116
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the FS 2204/FS 2204.068 junction.

Site Comments:

Stream channel braids downstream, unable to obtain stream width measurements.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.80
OHW (m): 1.10
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.36
Rise (m): 0.36
Length (m): 12.10
Slope (%): 4.71
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out on the bottom.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0571

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.41156
Longitude:	-123.77892
WA state plane south (NAD 27, feet)	
East:	1,188,638
North:	774,822

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chester Cr 22.0116
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located at the FS 2204/FS 2204.060 junction.

Site Comments:

Very nice stream channel upstream of culvert with an abundance of gravel.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☐ Coho
- ☐ Brown Trout
- ☒ Steelhead

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/28/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	0.74
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.65

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	12.10
Slope (%)	5.95
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.07
Apron	No
Fill Depth (m)	0.90
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0572

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41561
Longitude: -123.77392
WA state plane south (NAD 27, feet)
East: 1,189,936
North: 776,245

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the FS 2204/FS 2204.060 junction.

Site Comments:

Ditch drainage upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/28/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.60
OHW (m): 1.20
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 0.60
Span/Toe Ratio: 0.75

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m): 9.43
Slope (%): 5.83
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.07
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Bottom of culvert at downstream end is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0573

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41942
Longitude: -123.77060
WA state plane south (NAD 27, feet)
East: 1,190,817
North: 777,601

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles north of the FS 2204/FS 2204.060 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 0.75
OHW (m): 0.85
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m): 1.07
Span/Toe Ratio: 0.40

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.43
Rise (m): 0.46
Length (m): 14.83
Slope (%): 5.12
Bed Material: No
Outfall Drop (m): 0.59
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.90
Tidegate: No

Culvert Comments:

Stream channel is excavated at the plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0574

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42431
Longitude: -123.76670
WA state plane south (NAD 27, feet)
East: 1,191,854
North: 779,342

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream.
OHW = 0.49 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.03
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Outfall drop is onto basalt slide that is 3.95m long.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0575

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42597
Longitude: -123.76609
WA state plane south (NAD 27, feet)
East: 1,192,030
North: 779,940

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters south of the FS 2204/FS 2204.080 junction.

Site Comments:

OHW = 0.80 meters. Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.21
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0576

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204.080
County:	Grays Harbor
1/4 Section:	NW
Section:	1
Township:	22N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.42578
Longitude:	-123.76521
WA state plane south (NAD 27, feet)	
East:	1,192,245
North:	779,862

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters east of the FS 2204.080/FS 2204 junction.

Site Comments:

OHW = 0.80 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/29/2004
Field Crew:	Ricklefs/Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.06
OHW (m)	0.84
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	0.64
Span/Toe Ratio	0.69

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.44
Rise (m)	0.44
Length (m)	8.40
Slope (%)	5.95
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0577

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204.080
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42404
Longitude: -123.76573
WA state plane south (NAD 27, feet)
East: 1,192,090
North: 779,236

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the FS 2204.080/FS 2204 junction.

Site Comments:

OHW = 0.54 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.04
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0578

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42683
Longitude: -123.76572
WA state plane south (NAD 27, feet)
East: 1,192,135
North: 780,251

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters north of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream. Half of the upstream flow is ditch drainage.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.36
WDIC (m): 0.05
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Outfall drop is onto basalt.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0579

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42777
Longitude: -123.76525
WA state plane south (NAD 27, feet)
East: 1,192,266
North: 780,588

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.29
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Culvert bends down at a 45 degree angle at downstream end of culvert, chute attached. Chute is 2.5 meters in length. Stream flows through series of cascades downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0580

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42870
Longitude: -123.76483
WA state plane south (NAD 27, feet)
East: 1,192,383
North: 780,922

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream of culvert; no habitat gain. Stream enters WF Humptulips 50 meters downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.79
OHW (m): 1.18
Max Depth (m): 0.27

CHANNEL DESCRIPTION

Toe Width (m): 0.81
Span/Toe Ratio: 0.91

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.74
Rise (m): 0.75
Length (m): 14.89
Slope (%): 16.86
Bed Material: No
Outfall Drop (m): 1.25
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0581

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42915
Longitude: -123.76468
WA state plane south (NAD 27, feet)
East: 1,192,427
North: 781,085

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.38
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.28
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0582

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42983
Longitude: -123.76406
WA state plane south (NAD 27, feet)
East: 1,192,590
North: 781,327

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

Upstream of culvert is a gradient barrier; no habitat gain.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 2.29
OHW (m): 1.68
Max Depth (m): 0.46

CHANNEL DESCRIPTION

Toe Width (m): 1.38
Span/Toe Ratio: 0.32

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.44
Rise (m): 0.43
Length (m): 9.12
Slope (%): 6.03
Bed Material: No
Outfall Drop (m): 1.15
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0583

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43165
Longitude: -123.76340
WA state plane south (NAD 27, feet)
East: 1,192,782
North: 781,983

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/29/2004
Field Crew: Ricklefs/Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.11
OHW (m): 1.31
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m): 0.98
Span/Toe Ratio: 0.83

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.46
Length (m): 9.51
Slope (%): 3.89
Bed Material: No
Outfall Drop (m): 1.07
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 1.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0583

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.36
Rise (m)	0.37
Length (m)	11.39
Slope (%)	2.11
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0584

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43335
Longitude: -123.76326
WA state plane south (NAD 27, feet)
East: 1,192,842
North: 782,601

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/30/2004
Field Crew: McCaffree/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.83
OHW (m): 0.73
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.46
Rise (m): 0.46
Length (m): 12.03
Slope (%): 4.07
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.22
Apron: No
Fill Depth (m): 1.10
Tidegate: No

Culvert Comments:

10 meters downstream of culvert stream fans out, unable to measure stream width.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0585

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43398
Longitude: -123.76272
WA state plane south (NAD 27, feet)
East: 1,192,984
North: 782,828

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

OHW = 0.5 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/30/2004
Field Crew: McCaffree/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.34
Rise (m): 0.35
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.42
WDIC (m): 0.06
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0586

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43507
Longitude: -123.76241
WA state plane south (NAD 27, feet)
East: 1,193,079
North: 783,222

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

Upstream of culvert the majority of flow is ditch drainage.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/30/2004
Field Crew: McCaffree/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.82
OHW (m): 1.49
Max Depth (m): 0.34

CHANNEL DESCRIPTION

Toe Width (m): 0.71
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.36
Length (m): 11.82
Slope (%): 3.60
Bed Material: No
Outfall Drop (m): 0.22
WDIC (m): 0.08
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0587

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43543
Longitude: -123.76225
WA state plane south (NAD 27, feet)
East: 1,193,123
North: 783,349

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

No stream width measurements due to undefined downstream channel and upstream ditch delivery.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/30/2004
Field Crew: McCaffree/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.17
OHW (m): 1.13
Max Depth (m): 0.37

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.46
Length (m): 9.20
Slope (%): 4.00
Bed Material: No
Outfall Drop (m): 0.37
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0588

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43657
Longitude: -123.76166
WA state plane south (NAD 27, feet)
East: 1,193,285
North: 783,758

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles north of the FS 2204/FS 2204.080 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/30/2004
Field Crew: McCaffree/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.56
OHW (m): 4.14
Max Depth (m): 0.52

CHANNEL DESCRIPTION

Toe Width (m): 1.45
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.76
Length (m): 9.83
Slope (%): 5.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.28
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0589

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43785
Longitude: -123.76061
WA state plane south (NAD 27, feet)
East: 1,193,565
North: 784,216

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/30/2004
Field Crew: McCaffree/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.31
OHW (m): 2.58
Max Depth (m): 0.33

CHANNEL DESCRIPTION

Toe Width (m): 1.73
Span/Toe Ratio: 0.35

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.60
Length (m): 11.68
Slope (%): 5.80
Bed Material: No
Outfall Drop (m): 0.13
WDIC (m): 0.13
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0590

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43850
Longitude: -123.75995
WA state plane south (NAD 27, feet)
East: 1,193,737
North: 784,444

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.90 miles north of the FS 2204/FS 2204.080 junction.

Site Comments:

OHW = 0.49 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/30/2004
Field Crew: McCaffree/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.46
Rise (m): 0.38
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.09
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.90
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0591

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44028
Longitude: -123.75846
WA state plane south (NAD 27, feet)
East: 1,194,133
North: 785,080

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

OHW = 0.55 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.35
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.03
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0592

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44093
Longitude: -123.75818
WA state plane south (NAD 27, feet)
East: 1,194,213
North: 785,312

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.10 miles northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.88
OHW (m): 1.88
Max Depth (m): 0.31

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.56

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.39
Length (m): 11.56
Slope (%): 7.70
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No habitat gain upstream due to stream braiding and subsurface flow.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0593

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204
County:	Grays Harbor
1/4 Section:	NE
Section:	36
Township:	23N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.44122
Longitude:	-123.75788
WA state plane south (NAD 27, feet)	
East:	1,194,290
North:	785,416

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0124
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.15 miles northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

Downstream channel possibly excavated.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/3/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.22
OHW (m)	1.50
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.57

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.40
Rise (m)	0.30
Length (m)	10.80
Slope (%)	1.94
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Corrugated aluminum sleeve at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0594

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44168
Longitude: -123.75724
WA state plane south (NAD 27, feet)
East: 1,194,455
North: 785,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

Possible gradient barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.30
Span/Toe Ratio: 0.92

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.25
Length (m): 11.97
Slope (%): 8.60
Bed Material: No
Outfall Drop (m): 2.60
WDIC (m): 0.21
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:

Outfall drop onto basalt rock and debris, no plunge pool. Passability most likely closer to zero.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0595

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 23N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44219
Longitude: -123.75658
WA state plane south (NAD 27, feet)
East: 1,194,626
North: 785,757

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0596

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 31
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44310
Longitude: -123.75398
WA state plane south (NAD 27, feet)
East: 1,195,283
North: 786,061

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.30 miles northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.76
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0597

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 31
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44323
Longitude: -123.75364
WA state plane south (NAD 27, feet)
East: 1,195,370
North: 786,106

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.35 miles northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.60
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0598

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44758
Longitude: -123.74871
WA state plane south (NAD 27, feet)
East: 1,196,655
North: 787,639

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream of culvert. OHW = 0.58 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.40
Tidegate: No

Culvert Comments:

Ditch drainage influence upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0599

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44787
Longitude: -123.74879
WA state plane south (NAD 27, feet)
East: 1,196,639
North: 787,746

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the FS 2204/FS 2204.080 junction.

Site Comments:

Gradient barrier upstream and downstream of culvert. Ditch drainage influence at upstream end of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0600

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44832
Longitude: -123.74850
WA state plane south (NAD 27, feet)
East: 1,196,718
North: 787,909

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Possible gradient barrier downstream of site.
OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.30
OHW (m): 3.40
Max Depth (m): 1.00

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.85
Rise (m): 1.86
Length (m): 15.99
Slope (%): -4.40
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.20
Apron: No
Fill Depth (m): 1.60
Tidegate: No

Culvert Comments:

Unable to obtain toe width measurement due to channel structure. Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0601

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44976
Longitude: -123.74425
WA state plane south (NAD 27, feet)
East: 1,197,790
North: 788,390

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0124
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 6.60
OHW (m): 7.00
Max Depth (m): 1.70

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.76
Rise (m): 1.90
Length (m): 18.37
Slope (%): 10.30
Bed Material: No
Outfall Drop (m): 1.60
WDIC (m): 0.17
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Unable to obtain toe width due to boulders in substrate and channel braiding.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0602

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45036
Longitude: -123.74368
WA state plane south (NAD 27, feet)
East: 1,197,939
North: 788,601

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

OHW = 0.49 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.55
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0603

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45055
Longitude: -123.74339
WA state plane south (NAD 27, feet)
East: 1,198,014
North: 788,668

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.42 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

OHW = 0.48 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.44
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0604

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45092
Longitude: -123.74313
WA state plane south (NAD 27, feet)
East: 1,198,084
North: 788,799

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

OHW < 0.60 meters. Gradient barrier upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.38
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0605

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45105
Longitude: -123.74275
WA state plane south (NAD 27, feet)
East: 1,198,179
North: 788,842

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

OHW < 0.60 meters. Gradient barrier upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0606

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45110
Longitude: -123.74225
WA state plane south (NAD 27, feet)
East: 1,198,305
North: 788,858

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream and downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.44
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.65
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0607

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45165
Longitude: -123.74012
WA state plane south (NAD 27, feet)
East: 1,198,838
North: 789,034

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0124
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles northeast of the FS 2204/FS 2204.090 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

Gradient barrier upstream of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.30
OHW (m): 1.80
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 1.70
Span/Toe Ratio: 0.72

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.23
Rise (m): 1.21
Length (m): 11.96
Slope (%): 12.90
Bed Material: No
Outfall Drop (m): 0.60
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0608

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45271
Longitude: -123.73879
WA state plane south (NAD 27, feet)
East: 1,199,183
North: 789,410

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

OHW = 0.68 meters. Fish bearing up to culvert, gradient barrier upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 1.50
Max Depth (m): 0.17

CHANNEL DESCRIPTION

Toe Width (m): 0.68
Span/Toe Ratio: 0.56

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.39
Length (m): 13.06
Slope (%): 5.30
Bed Material: No
Outfall Drop (m): 0.93
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0609

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45439
Longitude: -123.73528
WA state plane south (NAD 27, feet)
East: 1,200,075
North: 789,986

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.00
OHW (m): 3.60
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 0.98

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 11.97
Slope (%): 9.70
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert 1.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0609

Fish Use: Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.57
Rise (m)	0.60
Length (m)	11.21
Slope (%)	12.20
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.60
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0610

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45618
Longitude: -123.73357
WA state plane south (NAD 27, feet)
East: 1,200,526
North: 790,621

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.10 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.40
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0611

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45710
Longitude: -123.73217
WA state plane south (NAD 27, feet)
East: 1,200,885
North: 790,940

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.60
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0612

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45732
Longitude: -123.73165
WA state plane south (NAD 27, feet)
East: 1,201,017
North: 791,018

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Subsurface flows downstream. Gradient barrier upstream. 40 meters downstream is confluence with Pete's Creek.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.60
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.24
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0613

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45794
Longitude: -123.72863
WA state plane south (NAD 27, feet)
East: 1,201,774
North: 791,211

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.35 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream. Subsurface flows downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.44
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:

Downstream end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0614

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45806
Longitude: -123.72821
WA state plane south (NAD 27, feet)
East: 1,201,879
North: 791,253

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.38
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.24
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0615

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45805
Longitude: -123.72735
WA state plane south (NAD 27, feet)
East: 1,202,091
North: 791,239

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

OHW = 0.48 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.39
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.39
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0616

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45812
Longitude: -123.72681
WA state plane south (NAD 27, feet)
East: 1,202,226
North: 791,259

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles northeast of the FS 2204/FS 2204.090 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.49
OHW (m): 1.20
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.78
Span/Toe Ratio: 0.50

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.38
Length (m): 10.37
Slope (%): 3.90
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.54
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0617

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45833
Longitude: -123.72661
WA state plane south (NAD 27, feet)
East: 1,202,277
North: 791,335

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Abundance of gravel in stream channel.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.36
OHW (m): 1.75
Max Depth (m): 0.32

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 0.43

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m): 9.11
Slope (%): 5.10
Bed Material: No
Outfall Drop (m): 0.19
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0618

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45855
Longitude: -123.72502
WA state plane south (NAD 27, feet)
East: 1,202,675
North: 791,399

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Pete's Cr 22.0125
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.50 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.90
Span/Toe Ratio: 0.42

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.38
Length (m): 10.62
Slope (%): 5.50
Bed Material: No
Outfall Drop (m): 0.29
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.35
Tidegate: No

Culvert Comments:

Outfall drop is onto cobble, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0619

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45845
Longitude: -123.72426
WA state plane south (NAD 27, feet)
East: 1,202,860
North: 791,354

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.55 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Possible gradient barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.20
OHW (m): 1.60
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 2.50
Span/Toe Ratio: 0.40

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.64
Length (m): 11.78
Slope (%): 9.50
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 1.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0619

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.38
Rise (m)	0.39
Length (m)	8.19
Slope (%)	3.90
Bed Material	No
Outfall Drop (m)	0.90
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.35
Tidegate	No

Culvert Comments:

Culvert 1.1 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0620

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45871
Longitude: -123.72017
WA state plane south (NAD 27, feet)
East: 1,203,875
North: 791,407

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.40
OHW (m): 2.90
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 2.40
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.15
Rise (m): 1.25
Length (m): 24.59
Slope (%): 12.00
Bed Material: No
Outfall Drop (m): 0.32
WDIC (m): 0.10
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0621

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 21
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46481
Longitude: -123.71168
WA state plane south (NAD 27, feet)
East: 1,206,065
North: 793,544

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.35 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream of culvert. OHW = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.38
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.68
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0622

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204
County:	Grays Harbor
1/4 Section:	SW
Section:	21
Township:	23N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.46589
Longitude:	-123.71028
WA state plane south (NAD 27, feet)	
East:	1,206,426
North:	793,923

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.45 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Stream braids upstream and downstream of culvert. Possible gradient barrier downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/4/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	1.55
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	0.69

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.63
Length (m)	9.12
Slope (%)	10.20
Bed Material	No
Outfall Drop (m)	0.25
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.10
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0623

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 21
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46633
Longitude: -123.70967
WA state plane south (NAD 27, feet)
East: 1,206,583
North: 794,077

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.50 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Possible gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/4/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.63
OHW (m): 0.72
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.69

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.40
Length (m): 7.85
Slope (%): 10.80
Bed Material: No
Outfall Drop (m): 0.18
WDIC (m): 0.07
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0624

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 21
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47339
Longitude: -123.70402
WA state plane south (NAD 27, feet)
East: 1,208,085
North: 796,594

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0127
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.1 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.60
WDIC (m): 0.01
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0625

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 16
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47628
Longitude: -123.70192
WA state plane south (NAD 27, feet)
East: 1,208,646
North: 797,626

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gibson Cr 22.0128
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.3 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream of culvert.
Downstream of culvert stream begins to fan out and flow subsurface. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.47
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0626

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 16
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47726
Longitude: -123.69979
WA state plane south (NAD 27, feet)
East: 1,209,187
North: 797,963

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gibson Cr 22.0128
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.4 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Possible gradient barrier upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.00
OHW (m): 9.00
Max Depth (m): 2.00

CHANNEL DESCRIPTION

Toe Width (m): 4.00
Span/Toe Ratio: 0.73

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.90
Rise (m): 1.96
Length (m): 22.07
Slope (%): 4.12
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.30
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0627

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 16
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47764
Longitude: -123.69880
WA state plane south (NAD 27, feet)
East: 1,209,438
North: 798,090

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gibson Cr 22.0128
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.45 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.50
OHW (m): 2.15
Max Depth (m): 0.44

CHANNEL DESCRIPTION

Toe Width (m): 2.80
Span/Toe Ratio: 0.43

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.25
Length (m): 12.16
Slope (%): 4.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0628

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 16
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47796
Longitude: -123.69822
WA state plane south (NAD 27, feet)
East: 1,209,586
North: 798,201

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gibson Cr 22.0128
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.5 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 1.64
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.21
Span/Toe Ratio: 0.50

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.62
Length (m): 9.09
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.12
Apron: No
Fill Depth (m): 0.65
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0629

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 16
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47834
Longitude: -123.69759
WA state plane south (NAD 27, feet)
East: 1,209,747
North: 798,336

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gibson Cr 22.0128
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.55 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Downstream of culvert, stream pools up and seeps into the ground. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.39
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0630

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47909
Longitude: -123.69543
WA state plane south (NAD 27, feet)
East: 1,210,292
North: 798,586

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.65 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Downstream of culvert, stream pools up then seeps into the ground. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.39
Rise (m): 0.40
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0631

Fish Use:

Unk

PI:

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47997
Longitude: -123.69358
WA state plane south (NAD 27, feet)
East: 1,210,762
North: 798,890

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.75 miles northeast of the FS 2204/FS 2204.090 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

Site Comments:

Gradient barrier upstream, possible gradient barrier downstream. Stream flows into a wetland.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.70
OHW (m): 2.15
Max Depth (m): 0.70

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

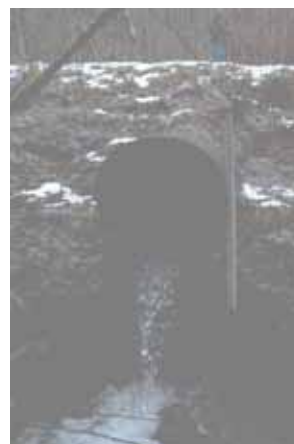
Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.94
Rise (m): 0.88
Length (m): 11.77
Slope (%): 7.20
Bed Material: No
Outfall Drop (m): 0.90
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No stream width obtainable due to wetland downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0632

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204
County:	Grays Harbor
1/4 Section:	SW
Section:	15
Township:	23N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.48012
Longitude:	-123.69319
WA state plane south (NAD 27, feet)	
East:	1,210,860
North:	798,939

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 3.75 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream, possible gradient barrier downstream. Stream flows for 15 meters then enters the same wetland as culvert 127H0631.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/5/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	NG
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	3.20
Max Depth (m)	0.70

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.66

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	12.04
Slope (%)	7.90
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.10
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0633

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48012
Longitude: -123.69155
WA state plane south (NAD 27, feet)
East: 1,211,265
North: 798,924

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.85 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream. OHW = 2.0 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.81

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.65
Rise (m): 0.55
Length (m): 11.93
Slope (%): 13.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0634

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204
County:	Grays Harbor
1/4 Section:	SW
Section:	15
Township:	23N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.48040
Longitude:	-123.69026
WA state plane south (NAD 27, feet)	
East:	1,211,590
North:	799,013

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 3.9 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

Gradient barrier upstream, no water in system. OHW = 3.30 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/5/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	OT
Repair Status	NG
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	1.28
Rise (m)	1.31
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.07
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

Culvert 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0634

Fish Use:

Unk

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.67
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.90
Tidegate	No

Culvert Comments:

Culvert 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0635

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48391
Longitude: -123.68276
WA state plane south (NAD 27, feet)
East: 1,213,495
North: 800,217

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 70 meters northeast of the FS 2204/FS 2204.111 junction.

Site Comments:

OHW = 0.95 meters. Possible gradient barrier.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.20
OHW (m): 0.80
Max Depth (m): 0.17

CHANNEL DESCRIPTION

Toe Width (m): 0.95
Span/Toe Ratio: 0.49

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.45
Length (m): 10.23
Slope (%): 12.30
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0636

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48492
Longitude: -123.68068
WA state plane south (NAD 27, feet)
East: 1,214,023
North: 800,562

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barrier upstream of culvert. System dry at time of sample. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0637

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48578
Longitude: -123.67503
WA state plane south (NAD 27, feet)
East: 1,215,430
North: 800,820

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northeast of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barrier upstream and downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.32
Rise (m): 1.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.18
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:

Culvert is beveled on both ends. Outfall drop is onto cobble.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0638

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48512
Longitude: -123.67243
WA state plane south (NAD 27, feet)
East: 1,216,064
North: 800,554

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

OHW =1.15 meters. Possible gradient barrier.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 1.32
Max Depth (m): 0.22

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 0.89

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.61
Length (m): 13.39
Slope (%): 12.50
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0639

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48557
Longitude: -123.67000
WA state plane south (NAD 27, feet)
East: 1,216,672
North: 800,694

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barrier upstream. Possible gradient barrier downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.60
OHW (m): 1.90
Max Depth (m): 0.38

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 1.55

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.24
Rise (m): 1.24
Length (m): 17.03
Slope (%): 11.30
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0640

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48576
Longitude: -123.66910
WA state plane south (NAD 27, feet)
East: 1,216,897
North: 800,753

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.17
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0641

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48643
Longitude: -123.66778
WA state plane south (NAD 27, feet)
East: 1,217,232
North: 800,985

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0642

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48696
Longitude: -123.66702
WA state plane south (NAD 27, feet)
East: 1,217,427
North: 801,173

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.90 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barrier downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.25
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0643

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48719
Longitude: -123.66644
WA state plane south (NAD 27, feet)
East: 1,217,574
North: 801,251

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.90 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.30
Rise (m): 0.80
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.20
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Large culvert with abundance of substrate at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0644

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48731
Longitude: -123.66569
WA state plane south (NAD 27, feet)
East: 1,217,762
North: 801,285

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barrier downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/5/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.90
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0645

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08261
Longitude:	-124.03623
WA state plane south (NAD 27, feet)	
East:	1,119,608
North:	657,712

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Burg SI 22.0006
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles southeast of the PB Lumber access road/private Cottonwood Ranch Rd junction.

Site Comments:

Road impounded wetland upstream, two small channels flow through road fill. Site is a puncheon.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Cottonwood Ranch
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	
Field Crew:	
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	
Shape	
Material	
Span (m)	
Rise (m)	
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0646

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08173
Longitude:	-124.04587
WA state plane south (NAD 27, feet)	
East:	1,117,195
North:	657,499

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Burg SI 22.0006
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles southeast of the PB Lumber access road/private Cottonwood Ranch Rd junction.

Site Comments:

Perennial grasses through channel. OHW < 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Cottonwood Ranch
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/6/2004
Field Crew:	Glore/McCaffree
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.20
OHW (m)	0.35
Max Depth (m)	0.50

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.63
Rise (m)	0.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.05
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No well defined stream channel, unable to obtain toe width measurement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0647

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48087
Longitude: -123.68861
WA state plane south (NAD 27, feet)
East: 1,212,004
North: 799,165

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 4.0 miles northeast of the FS 2204/FS 2204.090 junction.

Site Comments:

System dry at time of sample. Downstream of culvert tributary flows subsurface. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.74
Rise (m): 0.75
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:

No water in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0648

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48901
Longitude: -123.66225
WA state plane south (NAD 27, feet)
East: 1,218,635
North: 801,870

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.04
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.90
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0649

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48945
Longitude: -123.66154
WA state plane south (NAD 27, feet)
East: 1,218,817
North: 802,024

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barrier upstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.20
OHW (m): 2.55
Max Depth (m): 0.47

CHANNEL DESCRIPTION

Toe Width (m): 2.30
Span/Toe Ratio: 0.33

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.75
Length (m): 17.22
Slope (%): 23.52
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.05
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Gradient barrier upstream of culvert, no gain.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0650

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.49010
Longitude: -123.66046
WA state plane south (NAD 27, feet)
East: 1,219,095
North: 802,251

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.03
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Outfall drop is onto cobble then another 1 meter drop to the stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0651

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.49091
Longitude: -123.65773
WA state plane south (NAD 27, feet)
East: 1,219,780
North: 802,520

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream. System dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0652

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.49151
Longitude: -123.65454
WA state plane south (NAD 27, feet)
East: 1,220,576
North: 802,705

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.50 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.
System dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

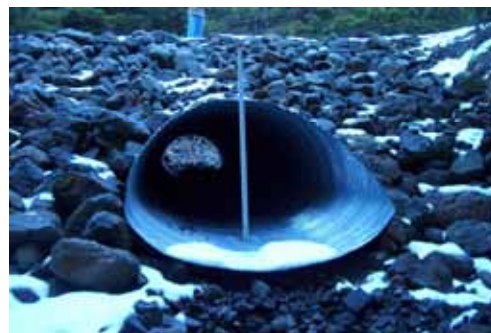
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 2.44
Rise (m): 1.70
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0653

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.49151
Longitude: -123.64809
WA state plane south (NAD 27, feet)
East: 1,222,170
North: 802,643

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.90 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

System dry at time of sample. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0654

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.49103
Longitude: -123.64657
WA state plane south (NAD 27, feet)
East: 1,222,540
North: 802,454

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.90 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Possible gradient barrier. Abundance of LWD is stream channel.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.23
OHW (m): 1.35
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 1.36
Span/Toe Ratio: 1.21

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.65
Rise (m): 2.00
Length (m): 21.32
Slope (%): 15.24
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.05
Apron: No
Fill Depth (m): 5.50
Tidegate: No

Culvert Comments:

Downstream of culvert, channel braids and width fluctuates, toe width measured upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0655

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48926
Longitude: -123.64004
WA state plane south (NAD 27, feet)
East: 1,224,126
North: 801,745

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.25 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.45
Rise (m): 1.68
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0656

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48895
Longitude: -123.63897
WA state plane south (NAD 27, feet)
East: 1,224,386
North: 801,621

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.30 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.69
Rise (m): 1.81
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.20
WDIC (m): 0.07
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0657

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2204
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	23N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.48858
Longitude:	-123.63884
WA state plane south (NAD 27, feet)	
East:	1,224,414
North:	801,483

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.35 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream. System dry at time of sample.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/10/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.56
Rise (m)	0.53
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.25
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.40
Tidegate	No

Culvert Comments:

Abundance of woody debris in channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0658

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48826
Longitude: -123.63875
WA state plane south (NAD 27, feet)
East: 1,224,430
North: 801,367

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.50 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.19
Rise (m): 1.22
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.04
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Rip-rap emplaced at both ends of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0659

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48740
Longitude: -123.63795
WA state plane south (NAD 27, feet)
East: 1,224,615
North: 801,044

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.60 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 0.61
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.09
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:

All measurements taken from upstream end of culvert; gradient downstream of culvert is too steep.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0660

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48649
Longitude: -123.63705
WA state plane south (NAD 27, feet)
East: 1,224,826
North: 800,703

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.65 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.96
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m)
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Measurements taken from upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0661

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48618
Longitude: -123.63681
WA state plane south (NAD 27, feet)
East: 1,224,879
North: 800,589

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.65 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.07
Rise (m): 1.04
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Measurements taken from upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0662

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48580
Longitude: -123.63678
WA state plane south (NAD 27, feet)
East: 1,224,881
North: 800,450

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.70 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.94
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Measurements taken from upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0663

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48223
Longitude: -123.63411
WA state plane south (NAD 27, feet)
East: 1,225,491
North: 799,123

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.80 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.93
Rise (m): 0.93
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0664

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48119
Longitude: -123.63353
WA state plane south (NAD 27, feet)
East: 1,225,619
North: 798,736

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.85 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0665

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2204
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48076
Longitude: -123.63309
WA state plane south (NAD 27, feet)
East: 1,225,720
North: 798,576

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.90 miles east of the FS 2204/FS 2204.111 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/10/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.57
Rise (m): 0.58
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Measurements taken at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0666

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8001.7
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30380
Longitude:	-123.91273
WA state plane south (NAD 27, feet)	
East:	1,153,835
North:	736,956

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Stevens Cr 22.0071
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles west of the US 101/8001.7 junction.

Site Comments:

Wetland habitat upstream and downstream of culvert. Culvert is located on old skid road.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/12/2004
Field Crew:	Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

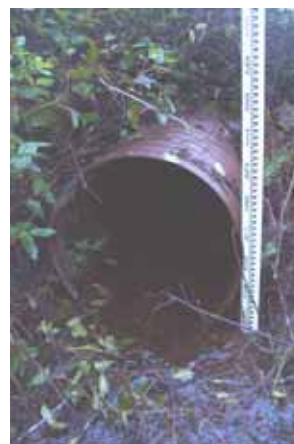
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.66
Rise (m)	0.64
Length (m)	6.03
Slope (%)	0.83
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:

Riffle at downstream end, no plunge pool.
Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0667

Fish Use: Unk

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8001.7
County: Grays Harbor
1/4 Section: NW
Section: 23
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29972
Longitude: -123.92378
WA state plane south (NAD 27, feet)
East: 1,151,033
North: 735,587

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the 8001/8001.7 junction.

Site Comments:

Wetland habitat upstream and downstream of culvert. Site is a cut and fill.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0668

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8071.7
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30705
Longitude: -123.91212
WA state plane south (NAD 27, feet)
East: 1,154,038
North: 738,136

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Stevens Cr 22.0071
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles northeast of the 8001.71/8001.7 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/12/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.45
Length (m): 5.90
Slope (%): 0.33
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 0.23
Tidegate: No

Culvert Comments:

Land is severely disturbed around culvert, no toe width or plunge pool measurements available.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0669

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8001.71
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30736
Longitude:	-123.91248
WA state plane south (NAD 27, feet)	
East:	1,153,954
North:	738,251

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Stevens Cr 22.0071
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the 8001.7/8001.71 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/12/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	NG
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.42
Length (m)	5.99
Slope (%)	5.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:

Plunge pool and stream width measurements not obtainable due to wood debris and fanning of channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0670

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8002.021
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32874
Longitude:	-123.91487
WA state plane south (NAD 27, feet)	
East:	1,153,699
North:	746,069

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Stevens Cr 22.0071
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 8002.021/8002 junction.

Site Comments:

No well defined stream channel. Seasonal flows.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/12/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0671

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8002
County:	Grays Harbor
1/4 Section:	SE
Section:	2
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33284
Longitude:	-123.91486
WA state plane south (NAD 27, feet)	
East:	1,153,767
North:	747,562

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Stevens Cr 22.0071
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 8002/8003 junction.

Site Comments:

No defined stream channel.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/12/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.48
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.70
Tidegate	No

Culvert Comments:

Upstream end of culvert is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0672

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8002
County:	Grays Harbor
1/4 Section:	SE
Section:	2
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33554
Longitude:	-123.91409
WA state plane south (NAD 27, feet)	
East:	1,153,999
North:	748,537

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Stevens Cr 22.0071
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the 8002/8003 junction.

Site Comments:

Perennial vegetation surrounding water retention area. No defined channel downstream of retention area.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/12/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.58
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Upstream end of culvert is elevated above water.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0673

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8002.2
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32016
Longitude: -123.92563
WA state plane south (NAD 27, feet)
East: 1,150,897
North: 743,057

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 8002.2/8002.25 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/17/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.60
Rise (m): 0.61
Length (m): 7.10
Slope (%): 1.97
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.23
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:

No stream width or plunge pool measurements obtainable due to excavated channel downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0674

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8002.2
County:	Grays Harbor
1/4 Section:	SW
Section:	11
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32026
Longitude:	-123.92654
WA state plane south (NAD 27, feet)	
East:	1,150,674
North:	743,105

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is immediately west of the 8002/8002.2 junction.

Site Comments:

Stream channel appears to have been excavated, acting as a water retention area upstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/17/2004
Field Crew:	Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	2.35
Max Depth (m)	0.26

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.34

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.46
Length (m)	7.19
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:

Level B not applicable due to heavy downstream modification, stream ditch and straightened.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0675

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8002.2
County:	Grays Harbor
1/4 Section:	SW
Section:	11
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32035
Longitude:	-123.92684
WA state plane south (NAD 27, feet)	
East:	1,150,601
North:	743,140

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 8002.25/8002.2 junction.

Site Comments:

Channel downstream of culvert is excavated.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/17/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.70
OHW (m)	1.80
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.46
Length (m)	7.21
Slope (%)	2.08
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:

No stream width measurement due to excavated channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0676

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8002.2
County:	Grays Harbor
1/4 Section:	SE
Section:	10
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32057
Longitude:	-123.92863
WA state plane south (NAD 27, feet)	
East:	1,150,160
North:	743,239

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 8002.25/8002.2 junction.

Site Comments:

Channel downstream of culvert is excavated.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/17/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	1.70
Max Depth (m)	0.26

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.46
Rise (m)	0.45
Length (m)	7.70
Slope (%)	1.17
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

No stream width measurement due to excavated channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0677

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8300.05
County:	Grays Harbor
1/4 Section:	SE
Section:	10
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32231
Longitude:	-123.93358
WA state plane south (NAD 27, feet)	
East:	1,148,961
North:	743,928

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters north of the 8302.05/8002.2 junction.

Site Comments:

OHW > 0.60 meters, but stream measurements unobtainable due to wetland influences.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/18/2004
Field Crew:	Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.40
OHW (m)	2.00
Max Depth (m)	0.33

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.77
Rise (m)	0.77
Length (m)	8.97
Slope (%)	0.30
Bed Material	No
Outfall Drop (m)	0.12
WDIC (m)	0.16
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0678

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8002.2
County:	Grays Harbor
1/4 Section:	SE
Section:	10
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32204
Longitude:	-123.93410
WA state plane south (NAD 27, feet)	
East:	1,148,828
North:	743,834

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters west of the 8300.27/8002.2 junction.

Site Comments:

Stream braids and fans out over grassy area, seasonal flows.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/18/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	7.47
Slope (%)	1.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:

No plunge pool or stream width measurements due to excavated channel downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0679

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8002.2
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32217
Longitude: -123.93532
WA state plane south (NAD 27, feet)
East: 1,148,528
North: 743,894

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles west of the 8003.27/8002.2 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.49
Length (m): 8.94
Slope (%): 0.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0680

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8300.27
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31936
Longitude: -123.93526
WA state plane south (NAD 27, feet)
East: 1,148,498
North: 742,871

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the 8300.27/8002.2 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.64
Rise (m): 0.71
Length (m): 8.87
Slope (%): 1.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.36
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:

No plunge pool or toe width measurements obtainable due to debris in stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0681

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8310
County:	Grays Harbor
1/4 Section:	SW
Section:	15
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30471
Longitude:	-123.94088
WA state plane south (NAD 27, feet)	
East:	1,146,873
North:	737,593

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.95 miles north of the 8310/8060 junction.

Site Comments:

Wetland habitat upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☒ Steelhead

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/18/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	11.00
OHW (m)	6.00
Max Depth (m)	1.20

CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	1.53

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.38
Rise (m)	1.40
Length (m)	15.34
Slope (%)	1.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	1.30
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0682

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8310
County:	Grays Harbor
1/4 Section:	NW
Section:	22
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30175
Longitude:	-123.94215
WA state plane south (NAD 27, feet)	
East:	1,146,511
North:	736,526

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.7 miles north of the 8310/8060 junction.

Site Comments:

Wetland habitat.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/11/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	8.00
OHW (m)	5.25
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.39
Rise (m)	1.38
Length (m)	11.98
Slope (%)	1.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Unable to obtain toe width measurements due to wetland habitat downstream of culvert, and pond upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0683

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8310
County: Grays Harbor
1/4 Section: SW
Section: 22
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29400
Longitude: -123.94532
WA state plane south (NAD 27, feet)
East: 1,145,602
North: 733,738

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 8310/8060 junction.

Site Comments:

Downstream intermittent subsurface flows.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.11
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0684

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8310.91
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28265
Longitude: -123.93999
WA state plane south (NAD 27, feet)
East: 1,146,743
North: 729,544

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters west of the 8310.9/8310.91 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%)
Method: LBRQ
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m) 0.70
Span/Toe Ratio 1.31

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m): 7.22
Slope (%): 0.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0685

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8310.92
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28627
Longitude: -123.94292
WA state plane south (NAD 27, feet)
East: 1,146,073
North: 730,893

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northwest of the 8310.92/8310.9 junction.

Site Comments:

Woody debris within stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.70
Span/Toe Ratio: 0.71

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.25
Length (m): 10.65
Slope (%): 0.00
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 0.90
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0686

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8001
County: Grays Harbor
1/4 Section: SE
Section: 22
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29028
Longitude: -123.93356
WA state plane south (NAD 27, feet)
East: 1,148,458
North: 732,254

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the 8001/8001.9 junction.

Site Comments:

Road impounded wetland upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.49
Length (m): 6.01
Slope (%): 0.30
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.25
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0687

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8310
County:	Grays Harbor
1/4 Section:	NW
Section:	27
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28153
Longitude:	-123.94317
WA state plane south (NAD 27, feet)	
East:	1,145,936
North:	729,169

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0069
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.8 miles south of the 8060/8310 junction.

Site Comments:

Two small stream combine upstream of site then flow into culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/18/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity; depth

PLUNGE POOL DESCRIPTION

Length (m)	12.00
OHW (m)	6.60
Max Depth (m)	1.30

CHANNEL DESCRIPTION

Toe Width (m)	2.20
Span/Toe Ratio	0.82

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.81
Rise (m)	1.94
Length (m)	12.62
Slope (%)	0.55
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert is beveled. At downstream end of culvert bottom is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0688

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8310
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27792
Longitude: -123.93902
WA state plane south (NAD 27, feet)
East: 1,146,908
North: 727,809

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles south of the 8060/8310 junction.

Site Comments:

Wetland upstream, confluence with larger stream 15 meters downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.50
OHW (m): 1.35
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 1.25

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.94
Rise (m): 0.95
Length (m): 15.32
Slope (%): 0.98
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Level B not applicable due to intermittent subsurface flows and downstream confluence with larger stream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0689

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8310
County: Grays Harbor
1/4 Section: SE
Section: 34
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26439
Longitude: -123.93720
WA state plane south (NAD 27, feet)
East: 1,147,144
North: 722,859

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 8310/8000 junction.

Site Comments:

Wetland habitat upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/18/2004
Field Crew: Job/Lutz
Barrier: No
Passability (%): 67
Method: LB
Repair Status: UD
Problem: velocity

PLUNGE POOL DESCRIPTION

Length (m): 14.00
OHW (m): 7.40
Max Depth (m): 1.30

CHANNEL DESCRIPTION

Toe Width (m): 3.10
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.60
Rise (m): 1.50
Length (m): 16.54
Slope (%): 0.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.20
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Toe width measurement influenced by confluence with tributary.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0690

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: NW
Section: 4
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25251
Longitude: -123.93546
WA state plane south (NAD 27, feet)
East: 1,147,386
North: 718,511

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters northwest of the 7400/8000 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☒ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/23/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.80
OHW (m): 2.80
Max Depth (m): 0.42

CHANNEL DESCRIPTION

Toe Width (m): 2.40
Span/Toe Ratio: 0.51

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.22
Rise (m): 1.26
Length (m): 12.02
Slope (%): 1.58
Bed Material: No
Outfall Drop (m): 0.48
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert is beveled at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0691

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: NE
Section: 5
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25359
Longitude: -123.94484
WA state plane south (NAD 27, feet)
East: 1,145,078
North: 719,007

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles west of the 7400/8000 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/23/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%)
Method: LBNA
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m): 6.40
OHW (m): 3.40
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.78
Rise (m): 0.78
Length (m): 10.20
Slope (%): 0.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.24
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

Upstream end of culvert is beveled. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0692

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7401
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25521
Longitude: -123.96222
WA state plane south (NAD 27, feet)
East: 1,140,791
North: 719,786

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 35 meters east of the 7401/7401.2 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/23/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.30
OHW (m): 3.70
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.40
Span/Toe Ratio: 0.96

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.35
Rise (m): 1.42
Length (m): 11.79
Slope (%): 3.05
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0693

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7401
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25177
Longitude: -123.96908
WA state plane south (NAD 27, feet)
East: 1,139,033
North: 718,606

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0068
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 7401/7401.3 junction.

Site Comments:

High amount of gravel in stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/23/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 7.50
OHW (m): 3.70
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 0.67

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.23
Length (m): 10.71
Slope (%): 3.60
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:

Bottom of culvert is rusted out at the downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0694

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8000
County:	Grays Harbor
1/4 Section:	NW
Section:	4
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25186
Longitude:	-123.93427
WA state plane south (NAD 27, feet)	
East:	1,147,671
North:	718,263

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 15 meters north of the 8000/7400 junction.

Site Comments:

Tributary flows directly into Stevens Creek.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/23/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.87
Span/Toe Ratio	1.49

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.30
Rise (m)	1.28
Length (m)	21.00
Slope (%)	5.80
Bed Material	No
Outfall Drop (m)	2.50
WDIC (m)	0.05
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

No plunge pool. Picture and toe width measurement taken at upstream end. Passability closer to zero%.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0695

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4019.21
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06347
Longitude: -124.02166
WA state plane south (NAD 27, feet)
East: 1,122,924
North: 650,574

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0007
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles west of the 4019.21/4019.2 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/9/2005
Field Crew: Glore/Hamel
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0696

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	8000
County:	Grays Harbor
1/4 Section:	SW
Section:	34
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.26474
Longitude:	-123.93883
WA state plane south (NAD 27, feet)	
East:	1,146,746
North:	723,006

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the 8000/7400 junction.

Site Comments:

Upstream of culverts is a wetland.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/23/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	10.20
OHW (m)	7.40
Max Depth (m)	1.30

CHANNEL DESCRIPTION

Toe Width (m)	1.70
Span/Toe Ratio	1.49

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.29
Rise (m)	1.31
Length (m)	11.95
Slope (%)	2.09
Bed Material	No
Outfall Drop (m)	0.80
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Bottom of culvert on downstream end is rusted out for 2 meters. Road erosion occurring at downstream side of road. Culvert 1.2 is on right bank of stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0696

Fish Use: Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.24
Length (m)	12.00
Slope (%)	2.33
Bed Material	No
Outfall Drop (m)	0.78
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Bottom of culvert at downstream end is rusted out for approximately 2 meter. Culvert 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0697

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7401
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25021
Longitude:	-123.96984
WA state plane south (NAD 27, feet)	
East:	1,138,820
North:	718,046

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0066
WRIA:	22.0068
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 7401/7401.3 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/25/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.80
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0698

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2259
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 22N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35552
Longitude: -123.89011
WA state plane south (NAD 27, feet)
East: 1,160,252
North: 755,561

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the FS 2259/FS 2259.020 junction.

Site Comments:

OHW = 0.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/25/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.60
Tidegate: No

Culvert Comments:

Stream flows subsurface in intervals.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0699

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2259
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36553
Longitude: -123.87925
WA state plane south (NAD 27, feet)
East: 1,163,099
North: 759,095

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.9 miles north of the FS 2259/FS 2259.020 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/25/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.72
Rise (m): 0.72
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:

Culvert is crushed downwards at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0700

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2259
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 22N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36405
Longitude: -123.87538
WA state plane south (NAD 27, feet)
East: 1,164,033
North: 758,514

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles east of the FS 2259/FS 2259.030 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/25/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.40
Tidegate: No

Culvert Comments:

Extension on downstream end of culvert.
Picture taken at the upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0701

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2259
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 22N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36657
Longitude: -123.88686
WA state plane south (NAD 27, feet)
East: 1,161,230
North: 759,553

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles north of the FS 2259/FS 2259.020 junction.

Site Comments:

Gradient barriers upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/25/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

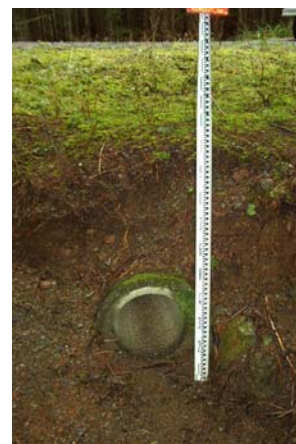
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.32
Rise (m): 0.32
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0702

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	16
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13389
Longitude:	-124.05277
WA state plane south (NAD 27, feet)	
East:	1,116,333
North:	676,581

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Damon Cr 22.0033
WRIA:	22.0034
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.60 miles northwest of the private Rd/Kirkpatrick Rd junction. Private Rd is approximately 0.75 miles southwest of the Bunker Rd/Kirkpatrick

Site Comments:

Stream channel braided 15 meters downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Rainier Timber Company LLC
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/1/2004
Field Crew:	Job/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.65
OHW (m)	2.70
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	2.24

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.79
Rise (m)	1.79
Length (m)	1943.00
Slope (%)	0.03
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Recently replaced culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0703

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unnamed Rd
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14813
Longitude: -124.04487
WA state plane south (NAD 27, feet)
East: 1,118,531
North: 681,682

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0035
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Travel 1.80 miles south from the Carlisle Rd/Kirkpatrick Rd junction to unnamed logging Rd. Proceed west approximately 0.50 miles to water crossing.

Site Comments:

Wetland habitat upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Rainier Timber Company LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/1/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.59
OHW (m): 3.49
Max Depth (m): 0.19

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.59
Length (m): 7.38
Slope (%): 0.95
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.16
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

Downstream end of culvert has a corrugated aluminum sleeve. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0704

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unnamed Rd
County: Grays Harbor
1/4 Section: SE
Section: 9
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14402
Longitude: -124.04702
WA state plane south (NAD 27, feet)
East: 1,117,929
North: 680,205

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0035
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Travel 1.80 miles south from the Carlisle Rd/Kirkpatrick Rd junction to unnamed logging Rd. Proceed west 0.35 miles to northbound spur then 0.25 miles north to water crossing.

Site Comments:

Wetland habitat upstream of culvert. Stream channel dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Longren, Wayne George
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/1/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 5.45
OHW (m): 3.05
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 1.30
Span/Toe Ratio: 0.82

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.07
Rise (m): 1.06
Length (m): 10.96
Slope (%): 0.09
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0705

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3467
County:	Grays Harbor
1/4 Section:	NE
Section:	18
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22429
Longitude:	-123.98060
WA state plane south (NAD 27, feet)	
East:	1,135,734
North:	708,720

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of the 3467.04/3467 junction.

Site Comments:

Gravel pit off of right bank upstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/1/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	5.82
OHW (m)	4.91
Max Depth (m)	0.96

CHANNEL DESCRIPTION

Toe Width (m)	2.25
Span/Toe Ratio	0.52

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.16
Rise (m)	1.21
Length (m)	18.44
Slope (%)	1.14
Bed Material	No
Outfall Drop (m)	1.83
WDIC (m)	
Apron	No
Fill Depth (m)	3.10
Tidegate	No

Culvert Comments:

Bottom of culvert is rusted out at downstream end for 2 meters, unable to obtain water depth in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0706

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3467.04
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21519
Longitude: -123.98445
WA state plane south (NAD 27, feet)
East: 1,134,630
North: 705,445

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0063
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 3467.09/3467 junction.

Site Comments:

Wetland habitat upstream and downstream of culvert. Braiding of channel further downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor Audubon Society
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/1/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.25
Rise (m): 1.16
Length (m): 8.93
Slope (%): 1.34
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.29
Apron: No
Fill Depth (m): 0.85
Tidegate: No

Culvert Comments:

Picture taken at upstream end of the culvert. No plunge pool or toe width measurements due to wetland and channel braiding.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0707

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.9
County: Grays Harbor
1/4 Section: SW
Section: 2
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15598
Longitude: -123.89449
WA state plane south (NAD 27, feet)
East: 1,156,038
North: 682,896

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0056
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles west of the 5216.9/US 101 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

Site Comments:

Substrate contains high amounts of fine material.

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.97
Span/Toe Ratio: 0.71

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.39
Rise (m): 0.95
Length (m): 11.94
Slope (%): 0.67
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:

No plunge pool. A lot of small debris and logs in channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0708

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.9
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15953
Longitude: -123.90226
WA state plane south (NAD 27, feet)
East: 1,154,161
North: 684,273

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0056
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile west of the 5216.9/US 101 junction.

Site Comments:

Vegetation growing throughout seasonal marsh area.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.31
Rise (m): 0.30
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.49
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:

DS end of culvert is bent downward at a 35 degree angle.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0709

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.9
County: Grays Harbor
1/4 Section: NE
Section: 3
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16412
Longitude: -123.90376
WA state plane south (NAD 27, feet)
East: 1,153,861
North: 685,961

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0056
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles west of the 5216.9/US 101 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.26
Span/Toe Ratio: 1.30

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.64
Rise (m): 1.24
Length (m): 13.02
Slope (%): 0.57
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

No plunge pool, riffle at downstream end of culvert. Road erosion at downstream side of site.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0710

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.92
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16447
Longitude: -123.91321
WA state plane south (NAD 27, feet)
East: 1,151,519
North: 686,191

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 5216.92/5216.91 junction.

Site Comments:

Wetland downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m): 10.30
Slope (%): 1.75
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:

Stream braids and parts of channel appear to be excavated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0711

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5216.91
County:	Grays Harbor
1/4 Section:	SE
Section:	3
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15949
Longitude:	-123.90973
WA state plane south (NAD 27, feet)	
East:	1,152,305
North:	684,336

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0056
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles east of the 5216.92/5216.91 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	Fruit Growers Supply Co
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/2/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	2.53
OHW (m)	1.49
Max Depth (m)	0.90

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.79

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.50
Length (m)	15.10
Slope (%)	0.07
Bed Material	No
Outfall Drop (m)	0.32
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.40
Tidegate	No

Culvert Comments:

Downstream end of culvert deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0712

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5216.85
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16779
Longitude:	-123.91826
WA state plane south (NAD 27, feet)	
East:	1,150,317
North:	687,455

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 25 meters east of the 5216.8/5216.85 junction.

Site Comments:

Substrate is clay hardpan.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/2/2004
Field Crew:	Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.58
Span/Toe Ratio	0.57

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.92
Length (m)	11.93
Slope (%)	-0.17
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.25
Tidegate	No

Culvert Comments:

Riffle at downstream end, no plunge pool.
Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0713

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.2
County: Grays Harbor
1/4 Section: NE
Section: 4
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16512
Longitude: -123.92559
WA state plane south (NAD 27, feet)
East: 1,148,453
North: 686,559

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 5216.2/5216.8 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.08
Span/Toe Ratio: 0.44

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.45
Length (m): 10.64
Slope (%): 3.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:

No outfall drop or plunge pool, riffle at downstream end of culvert. Abundance of wind fall upstream of culvert. Picture and toe width measurement taken from upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0714

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.2
County: Grays Harbor
1/4 Section: NE
Section: 4
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16405
Longitude: -123.92820
WA state plane south (NAD 27, feet)
East: 1,147,786
North: 686,198

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the 5216.2/5216.8 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Poorly defined stream channel upstream and downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.23
OHW (m): 3.81
Max Depth (m): 0.58

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

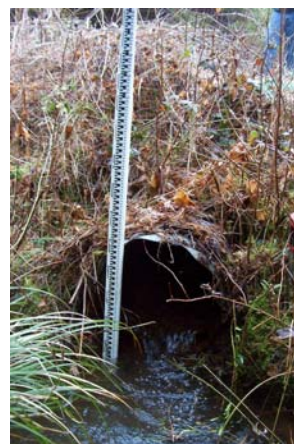
Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.46
Length (m): 7.24
Slope (%): 1.93
Bed Material: No
Outfall Drop (m): 0.04
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

No stream width measurement due to undefined channel. Sedges growing throughout channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0715

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.2
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15458
Longitude: -123.89934
WA state plane south (NAD 27, feet)
East: 1,154,811
North: 682,438

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0056
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the 5216.2/5216.9 junction.

Site Comments:

Jaw of adult salmon found at downstream end of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%)
Method: LBRQ
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.76
Length (m): 10.90
Slope (%): 2.02
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Unable to measure toe width due to braiding of stream channel. Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0716

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5216.2
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14723
Longitude: -123.89865
WA state plane south (NAD 27, feet)
East: 1,154,867
North: 679,752

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0056
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

OHW = 0.75 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Fruit Growers Supply Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%)
Method: LBRQ
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m) 0.75
Span/Toe Ratio 1.24

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.93
Rise (m): 0.91
Length (m): 18.03
Slope (%): 0.89
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0717

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	SW
Section:	2
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16048
Longitude:	-123.89290
WA state plane south (NAD 27, feet)	
East:	1,156,503
North:	684,519

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0056
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

Poorly defined stream channel.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Fruit Growers Supply Co
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/2/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.77
OHW (m)	3.04
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.62
Length (m)	8.99
Slope (%)	1.33
Bed Material	No
Outfall Drop (m)	0.16
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No defined channel due to debris from logging activity.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0718

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16287
Longitude: -123.89837
WA state plane south (NAD 27, feet)
East: 1,155,181
North: 685,447

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0056
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Fruit Growers Supply Co
Type: Private

Site Comments:

Water collecting in a pond upstream of culvert.
Poorly defined stream channel.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/2/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.93
OHW (m): 1.37
Max Depth (m): 0.24

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.31
Rise (m): 0.30
Length (m): 7.73
Slope (%): 2.85
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No well defined stream channel. Logging activity at culvert location.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0719

Fish Use: No

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	SW
Section:	2
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16121
Longitude:	-123.89540
WA state plane south (NAD 27, feet)	
East:	1,155,894
North:	684,810

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0056
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Fruit Growers Supply Co
Type:	Private

Site Comments:

Perennial vegetation growing throughout upstream channel. No defined OHW, excavated upstream and downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/2/2004
Field Crew:	Job/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	5.74
OHW (m)	1.65
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.42
Length (m)	7.31
Slope (%)	-0.14
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0720

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: SE
Section: 2
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15808
Longitude: -123.88007
WA state plane south (NAD 27, feet)
East: 1,159,655
North: 683,506

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0059
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Fruit Growers Supply Co
Type: Private

Site Comments:

Wetland habitat downstream of culvert.
Upstream of culvert is ditch drainage.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/8/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.59
Rise (m): 0.60
Length (m): 13.44
Slope (%): 2.46
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:

Upstream two streams feed into the culvert.
Unable to obtain toe width and plunge pool measurements due to wetland downstream of culvert, and tributary influence at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0721

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:
County:
1/4 Section:
Section:
Township:
Range:

POSITIONAL DATA

WGS 84, decimal degrees
Latitude:
Longitude:
WA state plane south (NAD 27, feet)
East:
North:

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream:
Tributary To:
WRIA:
Fish Use:
FUP Criteria:

Location / Directions:

Water crossing is approximately 1.15 miles west of the Bowes Rd/US 101 junction.

Site Comments:

Upstream channel flows through private field with some ditch influence.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name:
Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method:
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape:
Material:
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material:
Outfall Drop (m)
WDIC (m)
Apron:
Fill Depth (m)
Tidegate:

Culvert Comments:

Culvert 1.2 is on LB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0721

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.57
Rise (m)	0.61
Length (m)	9.11
Slope (%)	0.22
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.34
Apron	No
Fill Depth (m)	0.70
Tidegate	No

Culvert Comments:

US end of culvert is rusted out on its bottom.
Culvert 2.2 is on RB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0722

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3000.06
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23962
Longitude:	-123.90901
WA state plane south (NAD 27, feet)	
East:	1,153,746
North:	713,530

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Brittain Cr 22.0079
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters south of the E Humptulips Valley Rd/3000.06 junction.

Site Comments:

Evidence of subsurface flow and braiding, 25 meters downstream of culvert channel becomes undefined.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/8/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.42
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:

No stream width measurements due to undefined channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0723

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	East Humptulips Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	17
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22285
Longitude:	-123.95054
WA state plane south (NAD 27, feet)	
East:	1,143,173
North:	707,866

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 mile east of the E Humptulips Valley Rd/US Highway 101 junction.

Site Comments:

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/8/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.73
OHW (m)	3.62
Max Depth (m)	0.63

CHANNEL DESCRIPTION

Toe Width (m)	1.53
Span/Toe Ratio	0.40

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	31.74
Slope (%)	7.50
Bed Material	No
Outfall Drop (m)	0.59
WDIC (m)	0.06
Apron	No
Fill Depth (m)	9.00
Tidegate	No

Culvert Comments:

3 meters upstream of culvert, ditch drainage off right bank influences stream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0724

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21123
Longitude: -123.98888
WA state plane south (NAD 27, feet)
East: 1,133,468
North: 704,053

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0063
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

Wetland habitat upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: Grays Harbor Audubon Society
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/8/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.78
OHW (m): 2.76
Max Depth (m): 0.32

CHANNEL DESCRIPTION

Toe Width (m): 1.76
Span/Toe Ratio: 0.68

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.19
Rise (m): 1.23
Length (m): 9.22
Slope (%): 0.11
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.32
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0725

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	20N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20879
Longitude:	-123.98646
WA state plane south (NAD 27, feet)	
East:	1,134,030
North:	703,135

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0063
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☒ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	Grays Harbor Audubon Society
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/8/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.98
Span/Toe Ratio	1.31

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.28
Rise (m)	1.06
Length (m)	9.05
Slope (%)	3.24
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:

DS end of culvert is deformed. DS side of road is eroding.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0726

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3407
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21262
Longitude: -123.98194
WA state plane south (NAD 27, feet)
East: 1,135,214
North: 704,481

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0063
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 3407/3407.09 junction.

Site Comments:

Wetland habitat downstream. of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor Audubon Society
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/8/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m): 9.28
Slope (%): 2.16
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.11
Apron: No
Fill Depth (m): 0.55
Tidegate: No

Culvert Comments:

No plunge pool or stream width measurements available due to wetland habitat.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0727

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3466
County: Grays Harbor
1/4 Section: SW
Section: 18
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21977
Longitude: -123.97476
WA state plane south (NAD 27, feet)
East: 1,137,111
North: 707,010

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0063
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters northwest of the 3466/3466.2 junction.

Site Comments:

Wetland habitat upstream and downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/8/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 2.07
Max Depth (m): 0.36

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 9.25
Slope (%): 1.59
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Upstream end of culvert is smashed downwards.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0728

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Hatchery Entrance
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	20N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23423
Longitude:	-123.98759
WA state plane south (NAD 27, feet)	
East:	1,134,159
North:	712,417

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Hatchery Cr
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0065
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is located at the entrance to the Humpstulips Hatchery off of Kirkpatrick Rd.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	Washington Fisheries
Type:	State

Site Comments:

Upstream of culvert is a water diversion that feeds into the hatchery. Juvenile salmon observed in stream. Salmon bones found in the stream and on banks.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/8/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	3.90
Span/Toe Ratio	0.38

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.47
Rise (m)	1.47
Length (m)	18.00
Slope (%)	1.72
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Rip rap around culvert at upstream and downstream ends. Toe width measurement taken from upstream of the culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0729

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5235
County: Grays Harbor
1/4 Section: NE
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06316
Longitude: -123.98626
WA state plane south (NAD 27, feet)
East: 1,131,732
North: 650,071

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0133
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 5235/5235.4 junction.

Site Comments:

Spring source of stream is 5 meters upstream of culvert. No habitat gain.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.32
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0730

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5235
County: Grays Harbor
1/4 Section: NE
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06314
Longitude: -123.98414
WA state plane south (NAD 27, feet)
East: 1,132,259
North: 650,038

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0133
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 5235/5235.4 junction.

Site Comments:

Downstream of culvert, channel braids and flows subsurface in intervals. OHW = 0.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.30
Tidegate: No

Culvert Comments:

Abundance of fallen trees over US/DS ends of the culvert. Picture taken form US end of the culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0731

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5235.3
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06134
Longitude:	-123.98793
WA state plane south (NAD 27, feet)	
East:	1,131,287
North:	649,426

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0133
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the 5235/5235.3 junction.

Site Comments:

Stream flows subsurface downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/15/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.31
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0732

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5235
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06248
Longitude: -123.99788
WA state plane south (NAD 27, feet)
East: 1,128,827
North: 649,949

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters northeast of the 5235/5250 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.66
OHW (m): 0.89
Max Depth (m): 0.18

CHANNEL DESCRIPTION

Toe Width (m): 0.97
Span/Toe Ratio: 0.47

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.45
Length (m): 7.15
Slope (%): 4.20
Bed Material: No
Outfall Drop (m): 0.04
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0733

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.2
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25818
Longitude: -123.91820
WA state plane south (NAD 27, feet)
East: 1,151,758
North: 720,391

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 7500/7500.2 junction.

Site Comments:

Wetland habitat upstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 6.65
OHW (m): 2.88
Max Depth (m): 0.36

CHANNEL DESCRIPTION

Toe Width (m): 0.84
Span/Toe Ratio: 1.26

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.06
Rise (m): 1.09
Length (m): 7.20
Slope (%): 0.55
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.22
Apron: No
Fill Depth (m): 0.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0734

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7500.23
County:	Grays Harbor
1/4 Section:	SW
Section:	35
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.26091
Longitude:	-123.91844
WA state plane south (NAD 27, feet)	
East:	1,151,742
North:	721,390

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters north of the 7500.2/7500.23 junction.

Site Comments:

Wetland habitat upstream and downstream of culvert. OHW < 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/15/2004
Field Crew:	Job/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.10
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0735

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.27
County: Grays Harbor
1/4 Section: SE
Section: 35
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26559
Longitude: -123.90802
WA state plane south (NAD 27, feet)
East: 1,154,401
North: 722,983

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 7500/7500.27 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Braiding upstream and downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.47
Length (m): 5.89
Slope (%): 2.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

Downstream end of culvert is separated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0736

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.2
County: Grays Harbor
1/4 Section: NE
Section: 35
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26829
Longitude: -123.91025
WA state plane south (NAD 27, feet)
East: 1,153,890
North: 723,990

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 7500.2/7500.28 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 6.39
OHW (m): 1.78
Max Depth (m): 0.35

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m): 1.23
Span/Toe Ratio: 1.11

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.37
Rise (m): 1.40
Length (m): 10.59
Slope (%): -0.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.25
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert is sloped inversely. Level B completed on 2/26/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0737

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.2
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27017
Longitude: -123.90645
WA state plane south (NAD 27, feet)
East: 1,154,863
North: 724,635

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles east of the 7500.2/7500.28 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

Site Comments:

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 7.06
OHW (m): 1.95
Max Depth (m): 0.27

CHANNEL DESCRIPTION

Toe Width (m): 1.28
Span/Toe Ratio: 1.07

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.37
Rise (m): 1.40
Length (m): 11.50
Slope (%): -0.09
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert is sloped inversely. Level B completed on 2/16/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0738

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.2
County: Grays Harbor
1/4 Section: NE
Section: 35
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26683
Longitude: -123.91155
WA state plane south (NAD 27, feet)
East: 1,153,545
North: 723,472

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the 7500.2/7500.27 junction.

Site Comments:

OHW = 0.8 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/15/2004
Field Crew: Job/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.79
Span/Toe Ratio: 0.61

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.49
Length (m): 7.26
Slope (%): 4.96
Bed Material: No
Outfall Drop (m): 0.04
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0739

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7500.3
County:	Grays Harbor
1/4 Section:	SE
Section:	35
Township:	21N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.26179
Longitude:	-123.90923
WA state plane south (NAD 27, feet)	
East:	1,154,040
North:	721,610

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters south of the 7500.34/7500.3 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/15/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.98
OHW (m)	1.31
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	0.91
Span/Toe Ratio	0.67

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.63
Length (m)	7.28
Slope (%)	5.77
Bed Material	No
Outfall Drop (m)	0.09
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0740

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.3
County: Grays Harbor
1/4 Section: SE
Section: 35
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26294
Longitude: -123.90919
WA state plane south (NAD 27, feet)
East: 1,154,069
North: 722,028

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters north of the 7500.34/7500.3 junction.

Site Comments:

No well defined stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/15/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.44
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.14
WDIC (m): 0.01
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0741

Fish Use:

Unk

PI:

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7500
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25478
Longitude:	-123.90523
WA state plane south (NAD 27, feet)	
East:	1,154,923
North:	719,012

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.95 miles east of the 7500/US 101 junction.

Site Comments:

Stream braids through saturated area.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/15/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.35
OHW (m)	2.41
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	7.00
Slope (%)	3.70
Bed Material	No
Outfall Drop (m)	0.04
WDIC (m)	0.09
Apron	No
Fill Depth (m)	0.35
Tidegate	No

Culvert Comments:

No toe width measurement obtainable due to channel braiding.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0742

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.6
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26554
Longitude: -123.89883
WA state plane south (NAD 27, feet)
East: 1,156,681
North: 722,867

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington
Type: State

Site Comments:

Wetland habitat upstream and downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/18/2004
Field Crew: Job/Lutz
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.90
OHW (m): 1.75
Max Depth (m): 0.28

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.59
Rise (m): 0.62
Length (m): 5.92
Slope (%): 0.34
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Unable to obtain stream width measurements due to wetland habitat.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0743

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500.63
County: Grays Harbor
1/4 Section: NW
Section: 31
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26586
Longitude: -123.88209
WA state plane south (NAD 27, feet)
East: 1,160,838
North: 722,804

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: WF Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 7500.6/7500.63 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 3/18/2004
Field Crew: Job/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.10
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0744

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C4012F
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04680
Longitude:	-123.98941
WA state plane south (NAD 27, feet)	
East:	1,130,684
North:	644,144

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles east of the C4012F/C4012H junction.

Site Comments:

Several small streams converge at upstream end, braiding and debris downstream. Hub and tack survey monument above culvert on road grade. OHW = 0.75 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	3/18/2004
Field Crew:	Job/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	1.00
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	0.46

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	10.75
Slope (%)	6.60
Bed Material	No
Outfall Drop (m)	0.42
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Upstream end of pipe bent backwards over itself, water enters pipe through tear in pipe near bend.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0745

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3270.231
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24772
Longitude: -123.82288
WA state plane south (NAD 27, feet)
East: 1,175,247
North: 715,569

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters northeast of the 3270.23/3270.231 junction.

Site Comments:

Perennial vegetation throughout channel. OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.45
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.01
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0746

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3270.23
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24734
Longitude: -123.82409
WA state plane south (NAD 27, feet)
East: 1,174,939
North: 715,441

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the 3270.23/3270.2 junction.

Site Comments:

Perennial vegetation throughout channel. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0747

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3270.23
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 20N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24735
Longitude: -123.82465
WA state plane south (NAD 27, feet)
East: 1,174,802
North: 715,451

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Humptulips R 22.0080
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the 3270.23/3270.2 junction.

Site Comments:

Perennial vegetation growing throughout channel. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.21
WDIC (m):
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0748

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3465
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20959
Longitude: -123.94952
WA state plane south (NAD 27, feet)
East: 1,143,214
North: 703,025

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0048
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles east of the 3465/US 101 junction.

Site Comments:

Survey stake at site "3465, 3543, 0.3xx". OHW = 1.20 meters. High amounts of gravel and cobble substrate in channel.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.69
Span/Toe Ratio: 0.76

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m): 11.96
Slope (%): 1.57
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.19
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

No plunge pool, riffle directly downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0749

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3465.3
County:	Grays Harbor
1/4 Section:	NW
Section:	20
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.21296
Longitude:	-123.95548
WA state plane south (NAD 27, feet)	
East:	1,141,789
North:	704,317

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Mopang Cr
Tributary To:	Big Cr 22.0042
WRIA:	22.0044
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is immediately east of the 3465.3/3465.34 junction.

Site Comments:

Survey stake at site "3465.3, #3557, 0.371".
OHW = 1.09 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.35
OHW (m)	0.58
Max Depth (m)	0.16

CHANNEL DESCRIPTION

Toe Width (m)	0.61
Span/Toe Ratio	1.33

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.81
Rise (m)	0.76
Length (m)	11.97
Slope (%)	2.48
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.19
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0750

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3465.41
County: Grays Harbor
1/4 Section: SE
Section: 21
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20523
Longitude: -123.94084
WA state plane south (NAD 27, feet)
East: 1,145,301
North: 701,342

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hansen Cr 22.0047
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of the 3465.4/3465.41 junction.

Site Comments:

OHW = 0.20 meters. Survey stake at site "3465.41, 3579, 0.226".

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0751

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3470
County: Grays Harbor
1/4 Section: SE
Section: 17
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22072
Longitude: -123.94143
WA state plane south (NAD 27, feet)
East: 1,145,401
North: 706,991

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Unnamed 22.0075
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters north of the E Humptulips Rd/3470 junction, just before gate.

Site Comments:

OHW = 0.95 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.28
OHW (m): 0.61
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.45
Span/Toe Ratio: 1.36

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 12.23
Slope (%): 9.54
Bed Material: No
Outfall Drop (m): 0.18
WDIC (m): 0.02
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0752

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3002.048
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23311
Longitude: -123.89958
WA state plane south (NAD 27, feet)
East: 1,155,984
North: 711,056

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0076
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 3200/3200.048 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Survey stake at site " 3002.048, #3478, 0.178".
Small wetland/seep upstream of culvert. OHW = 0.96 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.05
OHW (m): 1.48
Max Depth (m): 0.58

CHANNEL DESCRIPTION

Toe Width (m): 0.64
Span/Toe Ratio: 0.95

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 14.85
Slope (%): 2.53
Bed Material: No
Outfall Drop (m): 1.12
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert has a small gradient break, middle of pipe bows slightly upwards.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0753

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3002.6
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22748
Longitude:	-123.87878
WA state plane south (NAD 27, feet)	
East:	1,161,059
North:	708,784

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0076
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles southeast of the 3002/3002.6 junction.

Site Comments:

Survey stake at site "3002.6, #3460,0.349".
OHW = 1.20 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/28/2004
Field Crew:	Glore/Blatt/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.75
Span/Toe Ratio	1.71

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.28
Rise (m)	1.22
Length (m)	9.03
Slope (%)	0.66
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	1.40
Tidegate	No

Culvert Comments:

No plunge pool, riffle at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0754

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3002.6
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22539
Longitude: -123.87122
WA state plane south (NAD 27, feet)
East: 1,162,904
North: 707,941

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0076
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles southeast of the 3002/3002.6 junction.

Site Comments:

Wetland influence downstream of culvert.
OHW = 0.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/28/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.77
Rise (m): 0.79
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.06
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:

No plunge pool due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0755

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3002.8
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22987
Longitude: -123.87170
WA state plane south (NAD 27, feet)
East: 1,162,853
North: 709,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0076
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the 3002/3002.8 junction.

Site Comments:

Wetland influence upstream and downstream.
OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/28/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.45
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.66
Rise (m): 0.66
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.23
Apron: No
Fill Depth (m): 1.40
Tidegate: No

Culvert Comments:

No plunge pool due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0756

Fish Use: No

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17176
Longitude: -123.86210
WA state plane south (NAD 27, feet)
East: 1,164,334
North: 688,300

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Spur off of Polson Camp Rd. Available maps inadequate to describe location.

Site Comments:

Wetland influence, standing water, upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/28/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.79
Rise (m): 0.78
Length (m): 12.10
Slope (%): 0.05
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.26
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert is rusted out at downstream end. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0757

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17162
Longitude: -123.86078
WA state plane south (NAD 27, feet)
East: 1,164,659
North: 688,237

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Spur off of Polson Camp Rd. Available maps inadequate to describe location.

Site Comments:

Perennials growing throughout channel downstream of culvert. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/28/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.40
Rise (m): 0.42
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.01
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

DS end of culvert is rusting out, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0758

Fish Use: Yes

PI:

20.57

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	28
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18815
Longitude:	-123.93444
WA state plane south (NAD 27, feet)	
East:	1,146,619
North:	695,048

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Fairchild Cr
Tributary To:	Big Cr 22.0042
WRIA:	22.0051
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Turn south off of US 101 at mile marker 105.5 onto private road. Culvert is approximately 0.25 miles south of US 101.

Site Comments:

Stream flows over road for approximately 10 meters on both banks. OHW = 4.15 meters. Adult salmon observed in plunge pool.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	Ron and Arlene Armstrong
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	20.34
OHW (m)	9.86
Max Depth (m)	0.70

CHANNEL DESCRIPTION

Toe Width (m)	2.80
Span/Toe Ratio	0.66

POTENTIAL HABITAT GAIN

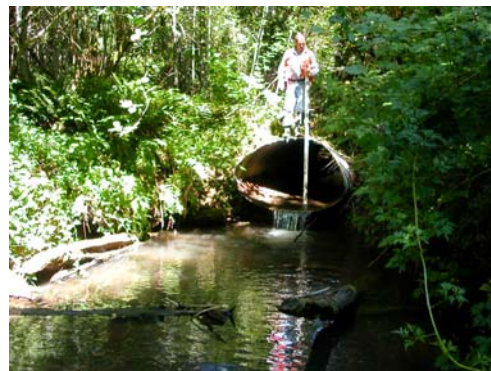
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.84
Rise (m)	1.17
Length (m)	7.83
Slope (%)	0.48
Bed Material	No
Outfall Drop (m)	0.32
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Upstream end of culvert is armored with rail road ties. Both ends are beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0759

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SW
Section: 28
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18859
Longitude: -123.93333
WA state plane south (NAD 27, feet)
East: 1,146,901
North: 695,195

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Fairchild Cr 22.0051
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Turn south off of US 101 at mile marker 105.5 onto private road. Culvert is located 15 meters east of first intersection.

Site Comments:

Small beaver dam at upstream end of culvert. Stream flows subsurface beneath road and exits right bank side of culvert.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: Ron and Arlene Armstrong
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/16/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.15
OHW (m): 1.65
Max Depth (m): 0.11

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.45

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.36
Rise (m): 0.36
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Intermittent subsurface flows downstream. Could not locate upstream end of culvert, unable to complete level A analysis.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0760

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Abandoned Rd
County: Grays Harbor
1/4 Section: SW
Section: 28
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18839
Longitude: -123.93283
WA state plane south (NAD 27, feet)
East: 1,147,022
North: 695,117

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unamed
Tributary To: Fairchild Cr. 22.0051
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the abandoned road/private drive for parcel #201028340010.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Ron and Arlene Armstrong
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/22/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.35
OHW (m): 0.85
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.31
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0761

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5240
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30171
Longitude: -123.94221
WA state plane south (NAD 27, feet)
East: 1,146,494
North: 736,511

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 30 meters northeast of the 4240.1/4240 junction.

Site Comments:

Marker at site (5240, #6308, 0.173). OHW = 0.65 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/20/2004
Field Crew: Blatt/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.43
Span/Toe Ratio: 1.16

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.50
Rise (m): 0.46
Length (m): 10.90
Slope (%): 3.39
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is half way full of sediment, measurements taken on upstream end of site. No plunge pool measurement flows go directly into riffle.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0762

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 8000
County: Grays Harbor
1/4 Section: SE
Section: 34
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26222
Longitude: -123.93643
WA state plane south (NAD 27, feet)
East: 1,147,300
North: 722,059

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0069
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northwest of the 8310/8000 junction.

Site Comments:

OHW = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/11/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.40
OHW (m): 2.20
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 0.50
Span/Toe Ratio: 1.20

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.31
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Excavated plunge pool with some subsurface flows downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0763

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5240
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25611
Longitude:	-123.93418
WA state plane south (NAD 27, feet)	
East:	1,147,762
North:	719,810

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0134
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.60 miles east of the 5240/ 5250 junction.

Site Comments:

Survey stake at site "5240, #6309, 0.593".
OHW = 0.66 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/20/2004
Field Crew:	Blatt/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.74
OHW (m)	0.90
Max Depth (m)	1.30

CHANNEL DESCRIPTION

Toe Width (m)	0.56
Span/Toe Ratio	0.88

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.45
Length (m)	7.26
Slope (%)	-0.92
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0764

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5250.2
County:	Grays Harbor
1/4 Section:	SE
Section:	36
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08476
Longitude:	-123.99154
WA state plane south (NAD 27, feet)	
East:	1,130,766
North:	658,000

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	Chenois Cr
Tributary To:	Chehalis R 22.0190
WRIA:	22.0132
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters north of the 5250/5250.2 junction.

Site Comments:

Tributary is backwatered downstream of culvert. OHW = 1.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/1/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.20
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	14.02
Slope (%)	2.14
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.38
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

No plunge pool measurements due to backwater downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0765

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5203
County:	Grays Harbor
1/4 Section:	SE
Section:	23
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11621
Longitude:	-124.00556
WA state plane south (NAD 27, feet)	
East:	1,127,786
North:	669,611

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Deep Cr 22.0021
WRIA:	22.0026
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the 5200/5203 junction.

Site Comments:

Beaver dam on upstream end of culvert preventing level A analyses from be completed. OHW = 2.0 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☐ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☐ Steelhead

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/1/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	33
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.20
OHW (m)	1.70
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	1.15
Span/Toe Ratio	0.89

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.02
Rise (m)	1.02
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.09
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert is at or near zero for possibility due to beaver dam on upstream end. Unable to complete level A.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0766

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5260.3
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06751
Longitude: -124.01187
WA state plane south (NAD 27, feet)
East: 1,125,425
North: 651,937

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0010
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is the 2nd water crossing east of the 5260/5260.3 junction.

Site Comments:

OHW = 1.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/1/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 0.56

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m): 14.26
Slope (%): 0.99
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No plunge pool measurements as stream riffles immediately downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0767

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5260.3
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06740
Longitude: -124.00978
WA state plane south (NAD 27, feet)
East: 1,125,945
North: 651,873

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0010
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is the 3rd water crossing east of the 5260/5260.3 junction.

Site Comments:

Intermittent subsurface flows downstream.
OHW = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/1/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.18

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool, flow is directly into riffle.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0768

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5260
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06866
Longitude:	-124.01327
WA state plane south (NAD 27, feet)	
East:	1,125,096
North:	652,373

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 220010
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters north of the 5260/5260.3 junction.

Site Comments:

Survey stake at site '5260, #6316, 0.207'. Culvert completely submerged on both ends 11/4/04.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/1/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.24
OHW (m)	0.79
Max Depth (m)	0.31

CHANNEL DESCRIPTION

Toe Width (m)	0.56
Span/Toe Ratio	0.84

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	7.21
Slope (%)	2.31
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.47
Apron	No
Fill Depth (m)	0.54
Tidegate	No

Culvert Comments:

Both ends of culvert are rusted.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0769

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Polson Camp Rd
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19461
Longitude: -123.83324
WA state plane south (NAD 27, feet)
East: 1,171,858
North: 696,323

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.85 miles northeast of the Polson Camp Rd/US HWY 101 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/2/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 1.55
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.20
Span/Toe Ratio: 2.85

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.57
Rise (m): 0.57
Length (m):
Slope (%):
Bed Material: Unk
Outfall Drop (m): 0.00
WDIC (m): 0.57
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Poorly defined channel plunge pool with perennial vegetation throughout channel. Culvert is completely submerged on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0770

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Polson Camp Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	36
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19989
Longitude:	-123.83218
WA state plane south (NAD 27, feet)	
East:	1,172,203
North:	698,235

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.15 miles northeast of the Polson Camp Rd/US 101 junction.

Site Comments:

Perennial vegetation through channel. OHW < 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Washington
Type:	State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/2/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.80
OHW (m)	0.90
Max Depth (m)	0.34

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Unable to obtain OHW due to perennial vegetation throughout undefined stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0771

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NW
Section:	35
Township:	20N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.17873
Longitude:	-123.86007
WA state plane south (NAD 27, feet)	
East:	1,164,947
North:	690,818

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0062
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Approximately 0.50 miles north of the Kirkpatrick Rd/McCoy Rd junction, turn east onto unnamed logging road. Site is approximately 20 meters east of the unnamed

Site Comments:

Adult coho observed in plunge pool at site.

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☒ Chum
- ☐ Dolly/Bull Trout
- ☐ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☐ Steelhead

OWNER

Name:	Mason Timber Co
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.00
OHW (m)	3.30
Max Depth (m)	0.50

CHANNEL DESCRIPTION

Toe Width (m)	2.10
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.65
Rise (m)	0.60
Length (m)	8.35
Slope (%)	1.24
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank and is rusting away with debris on upstream end. Culvert is slope inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0771

Fish Use: Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	9.31
Slope (%)	-0.07
Bed Material	Yes
Outfall Drop (m)	0.30
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert is rusting away on both ends. Pipe 1.2 is on left bank with no water present at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0772

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Grays Harbor County Rd
County: Grays Harbor
1/4 Section: SE
Section: 2
Township: 20N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18262
Longitude: -123.85951
WA state plane south (NAD 27, feet)
East: 1,165,147
North: 692,229

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Hatchery Cr
Tributary To: Stevens Cr 22.0064
WRIA: 22.0065
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 8200.1/Grays Harbor County logging Rd junction.

Site Comments:

Vegetation throughout channel downstream. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.76
OHW (m): 1.96
Max Depth (m): 0.28

CHANNEL DESCRIPTION

Toe Width (m): 0.45
Span/Toe Ratio: 1.11

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.50
Rise (m): 0.65
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.14
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Upstream end of culvert is deformed and downstream end is beginning to rust out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0773

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4250
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 18N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07142
Longitude: -123.98293
WA state plane south (NAD 27, feet)
East: 1,132,695
North: 653,042

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0134
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the 4250/4250.2 junction.

Site Comments:

Survey stake at site, "5240, #6310, 0.754".

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/20/2004
Field Crew: Randall, Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.48
Span/Toe Ratio: 0.71

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.05
Rise (m): 1.07
Length (m): 14.68
Slope (%): 1.47
Bed Material: No
Outfall Drop (m): 0.07
WDIC (m): 0.14
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Debris root wad at upstream end of culvert. No plunge pool, riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0774

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C4012F
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.17173
Longitude:	-123.86210
WA state plane south (NAD 27, feet)	
East:	1,164,334
North:	688,288

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr 22.0132
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the C4012F/C4012H junction.

Site Comments:

Subsurface flows downstream, toe taken 20 meters downstream in braided section. OHW = 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Jean Bolton
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/9/2005
Field Crew:	Glore/Hamel
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	1.10
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	0.45
Span/Toe Ratio	0.67

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	12.11
Slope (%)	0.06
Bed Material	No
Outfall Drop (m)	0.52
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0775

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3201
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17108
Longitude: -123.87404
WA state plane south (NAD 27, feet)
East: 1,161,357
North: 688,178

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Big Cr
Tributary To: Humptulips R 22.0004
WRIA: 22.0042
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters southwest of the 3201/Polson Camp Rd junction.

Site Comments:

High quality stream habitat with good substrate and pool riffle ratio. 75 meters downstream of site is another culvert passing under Polson Camp Rd.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Washington
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/17/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.85
OHW (m): 8.05
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 4.05
Span/Toe Ratio: 0.89

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.85
Rise (m): 1.76
Length (m): 27.20
Slope (%): -0.23
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0775

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.74
Rise (m)	2.02
Length (m)	28.11
Slope (%)	0.97
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	4.50
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank, receives the majority of the streams flow.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0776

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600.1
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16841
Longitude: -123.87393
WA state plane south (NAD 27, feet)
East: 1,161,343
North: 687,206

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 200 meters north of the 5600.1 on the Western most unnamed spur Rd.

Site Comments:

No defined stream channel with sedges growing upstream and downstream. OHW not obtainable due to wetland influence.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/17/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.46
Length (m): 8.79
Slope (%): -0.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.08
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.
Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0777

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3450
County:	Grays Harbor
1/4 Section:	SE
Section:	28
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19194
Longitude:	-123.92644
WA state plane south (NAD 27, feet)	
East:	1,148,666
North:	696,342

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Fairchild Cr 22.0051
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the 3450/US 101 junction.

Site Comments:

OHW = 0.45 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/22/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.35
Span/Toe Ratio	1.34

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Cascades upstream of culvert, approximately 2 meters high. Picture taken at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0778

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3400
County:	Grays Harbor
1/4 Section:	NE
Section:	35
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18083
Longitude:	-123.88741
WA state plane south (NAD 27, feet)	
East:	1,158,187
North:	691,875

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the 3200/3400 junction.

Site Comments:

Downstream of puncheon, tributary runs braided through wetland area.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	
Field Crew:	
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	
Shape	
Material	
Span (m)	
Rise (m)	
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0779

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3420
County: Grays Harbor
1/4 Section: NE
Section: 34
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18142
Longitude: -123.90439
WA state plane south (NAD 27, feet)
East: 1,153,976
North: 692,271

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 10 meters prior to the 3420 line gate off US 101.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Site looks to be mostly water run off of HWY 101, mapped as non-fish barring stream.
Sample taken after high amounts of rain fall.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/2/2004
Field Crew: Blatt/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.45
OHW (m): 5.20
Max Depth (m): 0.24

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m): 0.78
Span/Toe Ratio: 1.00

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.78
Rise (m): 0.78
Length (m): 9.05
Slope (%): 0.58
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Downstream end of culvert is beginning to rust out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0780

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3470
County: Grays Harbor
1/4 Section: SW
Section: 16
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22004
Longitude: -123.93782
WA state plane south (NAD 27, feet)
East: 1,146,285
North: 706,704

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0075
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the E Humptulips Rd/3470 junction.

Site Comments:

Natural point barrier 30 meters downstream

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/22/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.05
OHW (m): 0.66
Max Depth (m): 0.13

CHANNEL DESCRIPTION

Toe Width (m): 0.38
Span/Toe Ratio: 0.97

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.37
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0781

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: SW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18621
Longitude: -123.86864
WA state plane south (NAD 27, feet)
East: 1,162,933
North: 693,637

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 220042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meter north of the 3200/5600 intersection.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Confluence with Big Cr 20 meters downstream. Survey stake at site "5600, #3748, 2.013".

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.00
OHW (m): 1.00
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 0.60
Span/Toe Ratio: 1.25

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.75
Length (m): 7.45
Slope (%): 1.70
Bed Material: No
Outfall Drop (m): 0.90
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Plunge pool is contained by two large logs placed on each bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0782

Fish Use: Unk

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: SE
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18848
Longitude: -123.86628
WA state plane south (NAD 27, feet)
East: 1,163,554
North: 694,439

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the 3200/5600 junction.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Very small stream with low gradient and wetland influences upstream. Immediately downstream is confluence of Big Cr.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0783

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: SW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19069
Longitude: -123.86852
WA state plane south (NAD 27, feet)
East: 1,163,032
North: 695,265

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the 3200/5600 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Pipe has failed, water flowing around culvert onto road grade. Culvert is not passing water and is a complete barrier. Not able to complete level A due to water circumventing culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.94

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.75
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No plunge pool measurement as stream flows adjacent to (not through) pipe. Survey stake at site (5600 #3751 2.403)



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0784

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: SW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19130
Longitude: -123.86875
WA state plane south (NAD 27, feet)
East: 1,162,986
North: 695,490

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the 3200/5600 junction.

Site Comments:

Stream at minimum requirements for fish barring, no culvert present stream flows onto road grade. Steam flows on grade for 50 meters before entering culvert 127H0783.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0785

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19183
Longitude: -123.86845
WA state plane south (NAD 27, feet)
East: 1,163,069
North: 695,682

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles north of the 3200/5600 junction.

Site Comments:

Confluence with Big Cr 20 meters downstream. OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.90
OHW (m): 0.95
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 0.88

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.35
Rise (m): 0.20
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Survey stake at site (5600 #3752 2.481). Culvert extends 1.75 meters beyond road grade due to scour. Downstream end of pipe is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0786

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19255
Longitude: -123.86776
WA state plane south (NAD 27, feet)
East: 1,163,252
North: 695,937

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Other

Location / Directions:

Water crossing is approximately 0.55 miles north of the 3200/5600 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Survey stake at site (5600, #3762, 2.537)
Stream meets OHW requirement, but high gradient with multiple partial barriers.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.25
OHW (m): 1.90
Max Depth (m): 0.33

CHANNEL DESCRIPTION

Toe Width (m): 0.60
Span/Toe Ratio: 0.53

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.32
Rise (m): 0.32
Length (m): 5.56
Slope (%): 8.80
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Downstream end extends due to scour, confluence with Big Cr 5 meters downstream. Pipe joints are settling, upstream end is dislodged and clogging entry to culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0787

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19539
Longitude: -123.86811
WA state plane south (NAD 27, feet)
East: 1,163,207
North: 696,975

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.75 miles north of the 3200/5600 junction.

Site Comments:

Culvert has been removed, stream flows in confined channel through road grade.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0788

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19721
Longitude: -123.86736
WA state plane south (NAD 27, feet)
East: 1,163,422
North: 697,631

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.90 miles north of the 3200/5600 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Failing puncheon. Road bed has washed through timbers, leaving a 5-7 meter span for foot traffic not motorized. Survey stake at site "5600, #3762, 2.537".

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0789

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19861
Longitude: -123.86917
WA state plane south (NAD 27, feet)
East: 1,162,996
North: 698,161

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile north of the 3200/5600 intersection

Site Comments:

Survey stake at culvert: "5600, #3764, 2.992".
Culvert on left bank of Big Cr. OHW = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
Field Crew: Glore/Haque
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.45
Span/Toe Ratio: 0.71

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.32
Rise (m): 0.32
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Small series of cascades downstream of pipe, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0790

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: SE
Section: 24
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20117
Longitude: -123.86720
WA state plane south (NAD 27, feet)
East: 1,163,525
North: 699,070

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Big Cr
Tributary To: Humptulips R 22.0004
WRIA: 22.0042
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles north of the 5600/3200 intersection.

Site Comments:

Culvert is on main stem of creek. Survey stake at culvert: "5600, #3765, 3.221". OHW = 2.10 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.40
OHW (m): 5.20
Max Depth (m): 0.85

CHANNEL DESCRIPTION

Toe Width (m): 2.10
Span/Toe Ratio: 0.37

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.79
Rise (m): 0.77
Length (m): 7.40
Slope (%): 3.70
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.12
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Bottom of culvert is rusting out upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0791

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: SE
Section: 24
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20174
Longitude: -123.86577
WA state plane south (NAD 27, feet)
East: 1,163,889
North: 699,264

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Location / Directions:

Water crossing is approximately 1.35 miles north of the 5600/3200 intersection.

Site Comments:

Main stem is 10 meters downstream of culvert.
Survey stake at culvert: "5600, #3766, 3.298".
OHW = 0.45 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.10
OHW (m): 0.80
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.30
Span/Toe Ratio: 2.10

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.64
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0792

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5600 (decommissioned)
County:	Grays Harbor
1/4 Section:	SE
Section:	24
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20165
Longitude:	-123.86548
WA state plane south (NAD 27, feet)	
East:	1,163,960
North:	699,230

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0042
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.40 miles north of the 5600/3200 intersection.

Site Comments:

Stream OHW/toe width meets minimum requirements for fish bearing status. Survey stake at culvert: "5600, #3767, 3.313".

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input checked="" type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/16/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.65
OHW (m)	0.30
Max Depth (m)	1.10

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.25

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.76
Length (m)	6.41
Slope (%)	4.30
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0793

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5600 (decommissioned)
County: Grays Harbor
1/4 Section: SE
Section: 24
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20233
Longitude: -123.86305
WA state plane south (NAD 27, feet)
East: 1,164,574
North: 699,452

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0042
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.50 miles north of the 5600/3200 intersection.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☒ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Left bank tributary enters stream 2 meters upstream of culvert. Survey stake at site "5600, #3768, 3.428". OHW = 1 meter.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/16/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 1.80
Max Depth (m): 0.20

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 0.83

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.66
Rise (m): 0.66
Length (m): 5.87
Slope (%): 6.60
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Bottom of culvert is rusted downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0794

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5240
County:	Grays Harbor
1/4 Section:	SW
Section:	6
Township:	18N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.07148
Longitude:	-123.98258
WA state plane south (NAD 27, feet)	
East:	1,132,783
North:	653,062

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0134
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located at the 5240/5240.2 junction.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

Site Comments:

Substrate composed of gravel with clay and fines. OHW = 1.44 meter. Survey stake at site "5240, #6117, 0.775".

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/20/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.11
Span/Toe Ratio	0.97

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.08
Rise (m)	1.08
Length (m)	14.50
Slope (%)	1.44
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

No plunge pool due to riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0795

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5250
County:	Grays Harbor
1/4 Section:	NW
Section:	1
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08206
Longitude:	-123.99354
WA state plane south (NAD 27, feet)	
East:	1,130,224
North:	657,037

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chenois Cr. 22.0132
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.8 miles north of the 5250/Ocean Beach Rd junction.

Site Comments:

Survey stake at site "5250, #6349, 1.821".
Confluence with larger stream 10 meters downstream of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☒ Coho
- ☐ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/20/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.76

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.49
Length (m)	9.01
Slope (%)	2.92
Bed Material	No
Outfall Drop (m)	0.05
WDIC (m)	0.15
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Upstream end covered by debris causing backwater. Downstream channel seems confined with no plunge pool measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0796

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3201 (Old RR grade)
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16229
Longitude: -123.86434
WA state plane south (NAD 27, feet)
East: 1,163,629
North: 684,872

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr. 22.0058
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.30 miles north of the 3201/ Youmans Rd junction.

Site Comments:

OHW not attainable due to wetland influence.
Adult salmon observed upstream.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/22/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 9.30
OHW (m): 5.80
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.66
Rise (m): 1.66
Length (m): 30.07
Slope (%): 0.76
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.35
Apron: No
Fill Depth (m): 6.50
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0797

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5500
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16307
Longitude: -123.86275
WA state plane south (NAD 27, feet)
East: 1,164,038
North: 685,140

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr. 22.0058
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.30 miles northeast of the 5500/Youmans Rd junction.

Site Comments:

Wetlands upstream and downstream. Salmon seen downstream of site above culvert 127H0796. OHW > 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/22/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.15
Rise (m): 1.15
Length (m): 20.42
Slope (%): 0.96
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Old bridge footing present at site, doesn't appear to be a fish hazard. Downstream end of culvert is rusted out. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0798

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5500
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16546
Longitude: -123.86248
WA state plane south (NAD 27, feet)
East: 1,164,141
North: 686,009

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: SF Big Cr. 22.0058
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles north of the 5500/ Youmans Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Upstream of site seems to be backwatered. Downstream flows into large wetland. OHW = 2.0 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/22/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.95
OHW (m): 2.15
Max Depth (m): 0.40

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.05
Rise (m): 1.05
Length (m): 14.15
Slope (%): 1.39
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Upstream end is rusted out. Toe width not available due to wetland.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0799

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5500
County:	Grays Harbor
1/4 Section:	NE
Section:	1
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.16787
Longitude:	-123.85784
WA state plane south (NAD 27, feet)	
East:	1,165,331
North:	686,836

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	SF Big Cr. 22.0058
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.80 miles north of the 5500/ Youmans Rd junction.

Site Comments:

OHW < 0.60 meters. Survey stake at site "5500, #4884, 0.738".

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/22/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No plunge pool/stream width measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0800

Fish Use: Unk

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7908
County: Grays Harbor
1/4 Section: SE
Section: 23
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29364
Longitude: -123.90573
WA state plane south (NAD 27, feet)
East: 1,155,412
North: 733,180

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles south of the 7905/7950 junction.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

Site Comments:

Moderate sized wetlands US/DS. Unable to locate either failed culvert or puncheon. Water level near top of road grade.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0801

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7908
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28739
Longitude: -123.90591
WA state plane south (NAD 27, feet)
East: 1,155,268
North: 730,903

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles south of the 7908/7950 junction.

Site Comments:

Wetlands US/DS, most likely non fish bearing.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0802

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: NE
Section: 17
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14241
Longitude: -124.06835
WA state plane south (NAD 27, feet)
East: 1,112,600
North: 679,859

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Damon Cr
Tributary To: Humptulips R 22.0004
WRIA: 22.0033
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the Shelgrin Rd/Rainier Logging Rd junction.

Site Comments:

Wetland habitat upstream. No water in culverts 1.3 and 3.3.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/4/2005
Field Crew: Lutz/Randall
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.50
OHW (m): 5.00
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 1.10

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.3
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m): 9.01
Slope (%): -2.81
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert 1.3 is on left bank. Bottom of pipe is rusted out on downstream end. Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0802

Fish Use: Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.3
Shape	RND
Material	CST
Span (m)	0.78
Rise (m)	0.78
Length (m)	9.01
Slope (%)	-2.22
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 3.3 is located on right bank. No water present in pipe. Both ends of culvert are rusted out. Culvert is sloped inversely.



CULVERT DESCRIPTION

Sequencer:	3.3
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	9.12
Slope (%)	-1.94
Bed Material	No
Outfall Drop (m)	0.25
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert 2.3 is located mid-stream. Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0803

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: NW
Section: 28
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11379
Longitude: -124.06006
WA state plane south (NAD 27, feet)
East: 1,114,191
North: 669,339

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Lenasha Forest Products Corp
Type: Private

Site Comments:

Wetland on upstream end of culvert. Fine material dominating substrate. Subsurface flow 10 meters downstream of culvert. OHW < 0.60 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/6/2005
Field Crew: Lutz/Hamel
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Recently replaced culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0804

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: NW
Section: 28
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10780
Longitude: -124.06175
WA state plane south (NAD 27, feet)
East: 1,113,672
North: 667,174

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Available maps inadequate to describe location.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☒ Steelhead

Site Comments:

Site is a puncheon with wetlands downstream of site.

OWNER

Name: Menasha Forest Products
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer:
Shape:
Material:
Span (m):
Rise (m):
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m):
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0805

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown
County: Grays Harbor
1/4 Section: NW
Section: 28
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11088
Longitude: -124.06156
WA state plane south (NAD 27, feet)
East: 1,113,769
North: 668,294

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

No defined stream channel, wetland plants upstream and downstream.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Menasha Forest Products
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/10/2005
Field Crew: Lutz/Hamel
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Water pooling up at upstream end, no water in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0806

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.280
County:	Grays Harbor
1/4 Section:	SW
Section:	7
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14392
Longitude:	-123.98110
WA state plane south (NAD 27, feet)	
East:	1,134,317
North:	679,439

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the 5204.280 (A Line)/A 700 junction.

Site Comments:

Subsurface flows downstream of site. OHW = 0.35 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/10/2005
Field Crew:	Lutz/Hamel
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	0.32
Span/Toe Ratio	

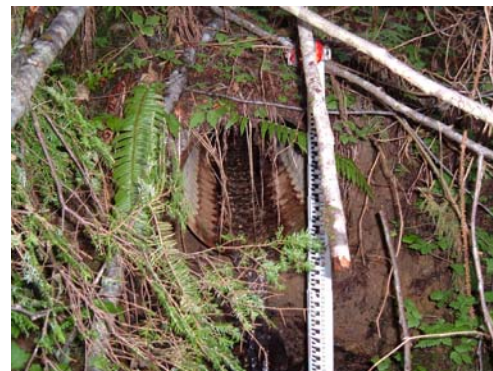
POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.38
Rise (m)	0.38
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.92
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0807

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.280
County:	Grays Harbor
1/4 Section:	SW
Section:	7
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14418
Longitude:	-123.97905
WA state plane south (NAD 27, feet)	
East:	1,134,830
North:	679,512

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 5204.280 (A Line)/A 850 junction.

Site Comments:

Confluence with main stem is approximately 30 meters downstream of culvert. Series of cascades downstream of culvert. OHW = 0.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/10/2005
Field Crew:	Lutz/Hamel
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.00
OHW (m)	0.53
Max Depth (m)	0.12

CHANNEL DESCRIPTION

Toe Width (m)	0.25
Span/Toe Ratio	1.52

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.38
Rise (m)	0.38
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.51
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Stream width measured upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0808

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5204.280
County:	Grays Harbor
1/4 Section:	SW
Section:	7
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14426
Longitude:	-123.97761
WA state plane south (NAD 27, feet)	
East:	1,135,190
North:	679,526

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters west of the 5204.280 (A Line)/A 850 junction.

Site Comments:

Upstream channel is confined with an abundance of LWD. OHW = 0.70 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/10/2005
Field Crew:	Lutz/Hamel
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.00
OHW (m)	1.60
Max Depth (m)	0.85

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.89

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	11.82
Slope (%)	4.56
Bed Material	No
Outfall Drop (m)	0.68
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0809

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.280
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14400
Longitude: -123.97456
WA state plane south (NAD 27, feet)
East: 1,135,943
North: 679,396

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the 5204.280 (A Line)/A 850 junction.

Site Comments:

OHW = 0.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/10/2005
Field Crew: Lutz/Hamel
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.10
OHW (m): 1.00
Max Depth (m): 0.28

CHANNEL DESCRIPTION

Toe Width (m): 0.25
Span/Toe Ratio: 1.24

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.31
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.05
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Ditch drainage influence upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0810

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5204.280
County: Grays Harbor
1/4 Section: SE
Section: 7
Township: 19N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14359
Longitude: -123.97062
WA state plane south (NAD 27, feet)
East: 1,136,915
North: 679,203

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters west of the 5204.280 (A Line)/A 900 junction.

Site Comments:

Both shoulders of road are eroding. OHW = 1.40 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/10/2005
Field Crew: Lutz/Hamel
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 1.35
Span/Toe Ratio: 0.66

POTENTIAL HABITAT GAIN

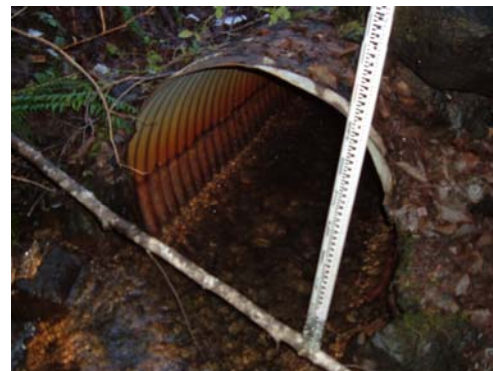
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.89
Rise (m): 0.89
Length (m): 5.68
Slope (%): 2.99
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.25
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0811

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	A-900
County:	Grays Harbor
1/4 Section:	SE
Section:	7
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14356
Longitude:	-123.97020
WA state plane south (NAD 27, feet)	
East:	1,137,019
North:	679,188

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 15 meters north of the 5204.280 (A Line)/A 900 junction.

Site Comments:

Stream channel is confined.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☒ Chum
- ☐ Chinook
- ☒ Coho
- ☒ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/10/2005
Field Crew:	Lutz/Hamel
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	2.00
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.65
Rise (m)	0.65
Length (m)	14.43
Slope (%)	6.65
Bed Material	No
Outfall Drop (m)	1.55
WDIC (m)	0.05
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Debris at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0812

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	A-900
County:	Grays Harbor
1/4 Section:	SE
Section:	7
Township:	19N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14750
Longitude:	-123.96641
WA state plane south (NAD 27, feet)	
East:	1,138,025
North:	680,582

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the 5204.280 (A Line)/A 900 junction.

Site Comments:

Water backed up due to beaver dam upstream of site. OHW = 0.50 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/10/2005
Field Crew:	Lutz/Hamel
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.70
OHW (m)	0.60
Max Depth (m)	0.38

CHANNEL DESCRIPTION

Toe Width (m)	0.44
Span/Toe Ratio	0.73

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.32
Rise (m)	0.32
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.48
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0813

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 5250
County: Grays Harbor
1/4 Section: SW
Section: 25
Township: 19N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10462
Longitude: -123.99634
WA state plane south (NAD 27, feet)
East: 1,129,893
North: 665,287

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Deep Cr 22.0021
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the 5200/5250 junction.

Site Comments:

Poorly defined stream channel. OHW = 0.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/11/2005
Field Crew: Lutz/Hamel
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.30
Span/Toe Ratio: 1.17

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.35
Rise (m): 0.35
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is half way filled with substrate.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0814

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Powell Rd
County: Grays Harbor
1/4 Section: NW
Section: 10
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06478
Longitude: -124.03642
WA state plane south (NAD 27, feet)
East: 1,119,269
North: 651,215

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0007
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located on the north side of the Powell Rd/ Robertson Rd junction.

Site Comments:

Confluence with larger stream approximately 100 meters downstream of site.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☒ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/11/2005
Field Crew: Glore/Blatt/ Randall
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.40
OHW (m): 1.90
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.75
Span/Toe Ratio: 0.27

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.48
Length (m): 34.86
Slope (%): -0.33
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.34
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Debris pile clogging upstream end of culvert.
Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0815

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Powell Rd
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05704
Longitude: -124.03683
WA state plane south (NAD 27, feet)
East: 1,119,042
North: 648,401

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Humptulips R 22.0004
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles north of the SR 109/ Powell Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor
Type: County

Site Comments:

Wetlands upstream and downstream of site. Culvert is completely submerged. OHW > 0.60 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/11/2005
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: Unk
Outfall Drop (m): 0.00
WDIC (m): 0.47
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Unable to complete level A survey, can not located downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0816

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Abandoned grade
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05705
Longitude: -124.03734
WA state plane south (NAD 27, feet)
East: 1,118,914
North: 648,411

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0000
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located on abandoned grade that parallels Powell Rd, approximately 0.80 miles north of the SR 109/Powell Rd junction.

Site Comments:

Wetland habitat upstream and downstream. Some beaver activity also upstream. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Ken Lentz
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/11/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.55
Rise (m): 0.55
Length (m): 9.29
Slope (%): 1.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.55
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Toe width and plunge pool measurements not obtainable due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0817

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Abandoned grade
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04642
Longitude: -124.03887
WA state plane south (NAD 27, feet)
East: 1,118,360
North: 644,556

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Gillis Sl 22.0131
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located on abandoned grade parallel to SR 109, approximately 50 meters northwest of the SR 109/Powell Rd junction.

Site Comments:

Wetlands upstream and downstream. Approximately 15 meters downstream of site 127H0020, stream flows beneath abandoned RR grade.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Grays Harbor Audubon Society
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/11/2005
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.71
Rise (m): 0.71
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.71
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Both ends of culvert are submerged. Unable to locate downstream end of pipe, level A evaluation incomplete.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0818

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4008
County: Grays Harbor
1/4 Section: SE
Section: 8
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05681
Longitude: -124.07414
WA state plane south (NAD 27, feet)
East: 1,109,747
North: 648,735

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Campbell Sl 22.0003
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters northwest of the 4008/SR 109 junction.

Site Comments:

Wetland upstream and downstream. Unable to locate passage, probable buried culvert or puncheon. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0819

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	5261
County:	Grays Harbor
1/4 Section:	NW
Section:	11
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06819
Longitude:	-124.02438
WA state plane south (NAD 27, feet)	
East:	1,122,324
North:	652,326

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0007
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters north of the 5261/Ocean Beach Rd junction.

Site Comments:

Survey stake at site "5261, #6399, 0.059".
OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/12/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0820

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	29
Township:	19N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.10816
Longitude:	-124.07779
WA state plane south (NAD 27, feet)	
East:	1,109,688
North:	667,488

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0015
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles southwest of the Private Rd/Ocean Beach Rd junction, Private Rd is approximately 0.35 miles northwest of the Ocean Beach Rd/Kirkpatrick

Site Comments:

Beaver dam 1.5 meters downstream of culvert.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	enasha Forest Products Cor
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/12/2005
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.95
OHW (m)	3.20
Max Depth (m)	0.70

CHANNEL DESCRIPTION

Toe Width (m)	1.20
Span/Toe Ratio	0.79

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	0.95
Rise (m)	0.95
Length (m)	9.17
Slope (%)	1.53
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.75
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0821

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05447
Longitude:	-123.99742
WA state plane south (NAD 27, feet)	
East:	1,128,814
North:	647,025

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0133
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located 20 meters southeast of Chenois Valley Rd, beneath private drive for residence @ 57 Chenois Valley Rd.

Site Comments:

Fill reinforced with concrete on downstream end of site.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Douglas Watson
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity; depth

PLUNGE POOL DESCRIPTION

Length (m)	3.40
OHW (m)	1.20
Max Depth (m)	0.24

CHANNEL DESCRIPTION

Toe Width (m)	1.15
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.59
Rise (m)	0.59
Length (m)	12.21
Slope (%)	1.01
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Streambed material in culvert consists of mostly fines.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0822

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05435
Longitude:	-123.99754
WA state plane south (NAD 27, feet)	
East:	1,128,782
North:	646,986

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0133
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located 35 meters southwest of Chenois Valley Rd, beneath private drive for residence @ 57 Chenois Valley Rd.

Site Comments:

Both banks reinforced with old tires next to culvert on downstream end. Chenois Cr confluence is approximately 50 meters downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.50
OHW (m)	1.53
Max Depth (m)	0.29

CHANNEL DESCRIPTION

Toe Width (m)	1.15
Span/Toe Ratio	0.55

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.63
Rise (m)	0.63
Length (m)	6.98
Slope (%)	1.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert was determined barrier due to a 1.0% slope measurement. Passability would be at least 67% if not greater.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0823

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	18N
Range:	11W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.05403
Longitude:	-123.99577
WA state plane south (NAD 27, feet)	
East:	1,129,216
North:	646,847

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0133
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located 30 meters south of Chenois Valley Rd beneath Private Dr for residence @ 43 Chenois Valley Rd.

Site Comments:

Beaver dam 20 meters downstream of culvert.
OHW = 2.05 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Kathy Mekosky
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.60
OHW (m)	1.30
Max Depth (m)	0.32

CHANNEL DESCRIPTION

Toe Width (m)	2.05
Span/Toe Ratio	0.27

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PCC
Span (m)	0.55
Rise (m)	0.55
Length (m)	6.90
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert is recessed 0.6 meters on upstream end, Level A not applicable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0823

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.55
Rise (m)	0.55
Length (m)	6.90
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culverts are recessed 0.6 meters on upstream end of culvert, Level A not applicable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0824

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19034
Longitude: -123.95025
WA state plane south (NAD 27, feet)
East: 1,142,726
North: 696,019

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hansen Cr 22.0047
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 10 meters east of Walker Rd on Private Rd for residence @ 39 Walker Rd.

Site Comments:

Seasonal wetlands upstream and downstream of site.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Lynn Christenson
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/20/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.60
Rise (m): 0.60
Length (m): 9.21
Slope (%): 1.81
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.27
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Not able to obtain toe due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0825

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18582
Longitude:	-123.95752
WA state plane south (NAD 27, feet)	
East:	1,140,849
North:	694,449

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located 5 meters north of Walker Rd on private drive for residence @ 162 Walker Rd.

Site Comments:

OHW = 0.9 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Daniel Painter
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

PLUNGE POOL DESCRIPTION

Length (m)	5.10
OHW (m)	1.30
Max Depth (m)	0.26

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.89
Rise (m)	0.89
Length (m)	9.70
Slope (%)	0.45
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Toe width not obtainable due to modified channel/ditching.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0826

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18574
Longitude:	-123.95950
WA state plane south (NAD 27, feet)	
East:	1,140,355
North:	694,441

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 10 meters north of Walker Rd on private drive for residence @ 170 Walker Rd.

Site Comments:

Stream width not obtainable due to modified channel/ditching.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Georgeanna Kelly
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.75
OHW (m)	2.14
Max Depth (m)	0.44

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.65
Rise (m)	0.65
Length (m)	7.61
Slope (%)	1.14
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0827

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18623
Longitude:	-123.95951
WA state plane south (NAD 27, feet)	
East:	1,140,359
North:	694,621

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters north of Walker Rd on private road for residence @ 170 Walker Rd.

Site Comments:

Seasonal wetland habitat upstream and downstream. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Georgeanna Kelly
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.33
Rise (m)	0.33
Length (m)	5.69
Slope (%)	1.41
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Unable to obtain toe or plunge pool measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0828

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18742
Longitude:	-123.95979
WA state plane south (NAD 27, feet)	
East:	1,140,309
North:	695,058

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of Walker Rd on private road for residence @ 170 Walker Rd.

Site Comments:

Wetland influence upstream and downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Georgeanna Kelly
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.20
Rise (m)	0.20
Length (m)	5.96
Slope (%)	2.85
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No plunge pool or toe width measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0829

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18859
Longitude:	-123.95902
WA state plane south (NAD 27, feet)	
East:	1,140,519
North:	695,476

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of Walker Rd on private road for residence @ 170 Walker Rd.

Site Comments:

Wetland influence upstream and downstream of site. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Georgeanna Kelly
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.29
Rise (m)	0.29
Length (m)	6.06
Slope (%)	1.32
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No stream width or plunge pool measurements due to wetland influences.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0830

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19095
Longitude:	-123.95880
WA state plane south (NAD 27, feet)	
East:	1,140,612
North:	696,333

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.40 miles north of Walker Rd on private road for residence @ 170 Walker Rd.

Site Comments:

Large beaver dam at upstream end of culverts, creates passage barrier.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	Georgeanna Kelly
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/20/2005
Field Crew:	Glore/Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.85
OHW (m)	2.75
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	2.30
Span/Toe Ratio	0.83

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.90
Length (m)	6.29
Slope (%)	1.48
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0830

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.00
Rise (m)	0.82
Length (m)	6.50
Slope (%)	2.56
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.43
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank.
Downstream end is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0831

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	30
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18594
Longitude:	-123.96351
WA state plane south (NAD 27, feet)	
East:	1,139,363
North:	694,559

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Private drive is 100 meters west of the Walker Rd/Sudderth Rd junction, water crossing at private drive/Walker Rd junction.

Site Comments:

Small stream flows into ditch for 250 meters then re-enters forestland. OHW > 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	John and Barbara Riedesel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

PLUNGE POOL DESCRIPTION

Length (m)	6.00
OHW (m)	2.55
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.64
Rise (m)	0.64
Length (m)	5.69
Slope (%)	0.94
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.10
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Downstream banks armored with broken concrete. No stream width measurements due to ditching.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0832

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SE
Section:	30
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18594
Longitude:	-123.96391
WA state plane south (NAD 27, feet)	
East:	1,139,262
North:	694,562

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Private drive is 100 meters west of the Walker Rd/Sudderth Rd junction, water crossing is 50 meters west of the private drive/Walker Rd junction.

Site Comments:

Small stream enters ditch 5 meters downstream.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	John and Barbara Riedesel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/24/2005
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	NG
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.77
Rise (m)	0.77
Length (m)	18.78
Slope (%)	0.75
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No stream width or plunge pool measurements due to ditching. Level B not applicable due to no substantial upstream habitat gain.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0833

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 29
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18667
Longitude: -123.95728
WA state plane south (NAD 27, feet)
East: 1,140,920
North: 694,755

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Hansen Cr 22.0047
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile north of Walker Rd on private drive for residence @ 162 Walker Rd.

Site Comments:

Seasonal wetlands upstream, confluence with larger stream 50 meters downstream. OHW = 0.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Daniel Painter
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/24/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.95
OHW (m): 0.75
Max Depth (m): 0.18

CHANNEL DESCRIPTION

Toe Width (m): 0.25
Span/Toe Ratio: 2.48

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.28
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Fill reinforced with placed timbers upstream and downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0834

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Abandoned grade
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20431
Longitude: -123.97389
WA state plane south (NAD 27, feet)
East: 1,137,079
North: 701,365

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Mopang Cr
Tributary To: Big Cr 22.0042
WRIA: 22.0044
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles northwest of Bowes Rd on old rail grade. Rail grade begins approximately 0.4 miles west of the Bowes Rd/Axford Prairie Ln junction.

Site Comments:

Wetland influences upstream and downstream of site. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Unknown ownership
Type: Unknown

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/24/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.00
OHW (m): 4.00
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.04
Rise (m): 1.04
Length (m): 17.00
Slope (%): 1.12
Bed Material: No
Outfall Drop (m): 0.19
WDIC (m): 0.19
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No stream width or plunge pool measurements due to wetland influences. Sample preformed during high flows.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0835

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Abandoned grade
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	20N
Range:	10W

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0063
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20942
Longitude:	-123.97874
WA state plane south (NAD 27, feet)	
East:	1,135,957
North:	703,279

Location / Directions:

Water crossing is approximately 0.80 miles northwest of Bowes Rd on old rail grade. Rail grade begins approximately 0.4 miles west of the Bowes Rd/Axford Prairie Ln junction.

Site Comments:

Wetland upstream, free flowing downstream of site. Debris pile at downstream control.

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

SPECIES POTENTIAL

- ☐ Sockeye
- ☒ Sea Run Cutthroat
- ☐ Pink
- ☒ Resident Trout
- ☒ Chum
- ☐ Dolly/Bull Trout
- ☒ Chinook
- ☐ Brook Trout
- ☒ Coho
- ☐ Brown Trout
- ☒ Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	12.00
OHW (m)	5.50
Max Depth (m)	1.50

CHANNEL DESCRIPTION

Toe Width (m)	2.50
Span/Toe Ratio	0.62

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.55
Rise (m)	1.55
Length (m)	15.93
Slope (%)	3.10
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.20
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0836

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7400.1
County:	Grays Harbor
1/4 Section:	SE
Section:	5
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24522
Longitude:	-123.94545
WA state plane south (NAD 27, feet)	
East:	1,144,793
North:	715,964

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.80 miles southwest of the 7400/7400.1 junction.

Site Comments:

Survey stake at site "7400.1, #5051, 0.802".

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.90
OHW (m)	1.80
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	0.72

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	9.19
Slope (%)	2.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert is deformed and rusted on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0837

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7400.131
County:	Grays Harbor
1/4 Section:	SW
Section:	4
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24381
Longitude:	-123.93715
WA state plane south (NAD 27, feet)	
East:	1,146,829
North:	715,360

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles southeast of the 7400.13/7400.131 junction.

Site Comments:

Survey stake at site "7400.131, #5056, 0.295".
Wetland influence downstream.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☒ Chum
- ☐ Chinook
- ☒ Coho
- ☐ Steelhead
- ☒ Sea Run Cutthroat
- ☒ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/25/2005
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.48
Length (m)	9.26
Slope (%)	0.22
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

'No stream width or plunge pool measurements due to wetland influences. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0838

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7400.13
County:	Grays Harbor
1/4 Section:	SW
Section:	5
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24644
Longitude:	-123.93987
WA state plane south (NAD 27, feet)	
East:	1,146,196
North:	716,346

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 7400.13/7400.1 junction.

Site Comments:

Survey stake at site "7400.1, #5052, 0.082". Culvert connects seasonal wetland with poorly defined channel.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	8.86
Slope (%)	1.51
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.22
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No stream width or plunge pool measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0839

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7400.1
County:	Grays Harbor
1/4 Section:	SW
Section:	4
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25006
Longitude:	-123.93606
WA state plane south (NAD 27, feet)	
East:	1,147,199
North:	717,626

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the 7400/7400.1 junction.

Site Comments:

Survey stake at site "7400.1, #5050, 0.147". Culvert connecting seasonal wetlands.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/25/2005
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	7.32
Slope (%)	-0.18
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

'No stream width or plunge pool measurements due to wetland influences. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0840

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	29
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19602
Longitude:	-123.94875
WA state plane south (NAD 27, feet)	
East:	1,143,190
North:	698,069

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Hansen Cr 22.0047
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is at the end of Prairie Mart parking lot, approximately 150 meters east of the Walker Rd/US 101 junction.

Site Comments:

Stream crosses beneath US 101 5 meters downstream of culvert. Debris pile at downstream end of culvert. OHW = 2.30 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input checked="" type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	John and Elaine Phelps
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/26/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	2.30
Span/Toe Ratio	0.54

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.25
Length (m)	13.26
Slope (%)	1.86
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

No plunge pool due to additional culvert immediately downstream of site.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0841

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7400.02
County:	Grays Harbor
1/4 Section:	NW
Section:	4
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25177
Longitude:	-123.93645
WA state plane south (NAD 27, feet)	
East:	1,147,130
North:	718,253

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Stevens Cr 22.0064
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters south of the 7400.02/7400 junction.

Site Comments:

Survey stake at site "7400.02, #5047, 0.069".
OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/26/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.93
OHW (m)	0.70
Max Depth (m)	0.05

CHANNEL DESCRIPTION

Toe Width (m)	0.40
Span/Toe Ratio	1.55

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Evidence of sporadic high flows.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0842

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400.03
County: Grays Harbor
1/4 Section: NW
Section: 4
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25311
Longitude: -123.93755
WA state plane south (NAD 27, feet)
East: 1,146,877
North: 718,752

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Stevens Cr 22.0064
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters southwest of the 7400.03/7400 junction.

Site Comments:

Survey stake at site "7400.03, #5046, 0.016".
OHW = 2.10 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/26/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.00
OHW (m): 4.50
Max Depth (m): 1.10

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 0.56

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.90
Length (m): 10.57
Slope (%): 1.64
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0843

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7911
County: Grays Harbor
1/4 Section: SE
Section: 25
Township: 21N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27502
Longitude: -123.89184
WA state plane south (NAD 27, feet)
East: 1,158,563
North: 726,246

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0072
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles southeast of the 7911/Donkey Cr Rd junction.

Site Comments:

Abandoned and failing timber bridge, decking is rotten. OHW = 1.50 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☒ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:
Field Crew:
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

CULVERT DESCRIPTION

Sequencer:
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0844

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Cr Rd
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27977
Longitude: -123.88020
WA state plane south (NAD 27, feet)
East: 1,161,523
North: 727,854

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0072
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles east of the 7910/Donkey Cr Rd junction.

Site Comments:

Wetlands upstream and downstream of site.
OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☒ Chum
☐ Chinook
☒ Coho
☐ Steelhead
☒ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/26/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 2.65
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 0.77
Rise (m): 0.50
Length (m): 19.78
Slope (%): 1.25
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.15
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No stream width measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0845

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Donkey Cr Rd
County: Grays Harbor
1/4 Section: SE
Section: 30
Township: 21N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27980
Longitude: -123.87921
WA state plane south (NAD 27, feet)
East: 1,161,769
North: 727,852

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0072
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles east of the 7910/Donkey Cr Rd junction.

Site Comments:

Sites 127H0844 and 127H0845 both drain same wetland. Majority of flow is though H0844. OHW > 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☒ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/26/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.48
Length (m): 21.29
Slope (%): 1.14
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

No plunge pool or stream width measurements due to wetland influences. Culvert acts as overflow for site 127H0844, but evidence of periodic high flows which may transport fish.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0846

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3000.02
County:	Grays Harbor
1/4 Section:	SE
Section:	2
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24299
Longitude:	-123.88760
WA state plane south (NAD 27, feet)	
East:	1,159,112
North:	714,529

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humtulsips R 22.0004
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northwest of the 3000.02/E Humtulsips Rd (3000) junction.

Site Comments:

Culvert connects seasonal wetlands. Perennial vegetation throughout channel.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/26/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:

No plunge pool or stream width measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0847

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3000.23
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23786
Longitude:	-123.88067
WA state plane south (NAD 27, feet)	
East:	1,160,751
North:	712,586

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Humptulips R 22.0004
WRIA:	22.0079
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of the 3000.023/E Humptulips Rd (3000) junction.

Site Comments:

Wetland influence upstream and downstream of site.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input checked="" type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/27/2005
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	7.30
OHW (m)	3.80
Max Depth (m)	1.00

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.22
Rise (m)	1.22
Length (m)	7.41
Slope (%)	0.58
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No stream width measurements due to wetland influences. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0848

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 3000.2325
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 20N
Range: 10W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23618
Longitude: -123.87334
WA state plane south (NAD 27, feet)
East: 1,162,545
North: 711,896

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Brittan Cr 22.0079
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters north of the 3000.232/3000.2325 junction.

Site Comments:

Seasonal wetlands upstream and downstream of site.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/27/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m): 7.54
Slope (%): 1.02
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.16
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:

No plunge pool or stream width measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0849

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3251
County:	Grays Harbor
1/4 Section:	NW
Section:	8
Township:	20N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23485
Longitude:	-123.83748
WA state plane south (NAD 27, feet)	
East:	1,171,424
North:	711,033

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0076
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the 3250/3251 junction. At junction of abandoned 3250.5.

Site Comments:

No formal culvert structure to determine slope. OHW = 0.70 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	
Field Crew:	
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	
Shape	
Material	
Span (m)	
Rise (m)	
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0850

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	3000
County:	Grays Harbor
1/4 Section:	NE
Section:	12
Township:	20N
Range:	10W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24051
Longitude:	-123.86137
WA state plane south (NAD 27, feet)	
East:	1,165,584
North:	713,347

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Humptulips R 22.0080
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters west of the E Humptulips Rd (3000)/3250 junction.

Site Comments:

Survey stake at site "3000, #3738, 6.181".
OHW = 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/27/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	0.60
OHW (m)	0.90
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	0.96

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.48
Rise (m)	0.48
Length (m)	6.30
Slope (%)	1.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.22
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:

Upstream end of culvert is begging to detach.
Road shoulder eroding away on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127H0851

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-4012-M
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 18N
Range: 11W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04348
Longitude: -124.00566
WA state plane south (NAD 27, feet)
East: 1,126,583
North: 643,114

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Chenois Cr 22.0132
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the C4012M/C4012 junction.

Site Comments:

No defined channel. Seasonal wetlands upstream and downstream of site. OHW < 0.60 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/9/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.30
OHW (m): 1.60
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.45
Tidegate: No

Culvert Comments:

