

Wynoochee Drainage - Barrier Inventory Results

Total sites inventoried = 432

Fish use of 432 inventoried sites

Yes, fish bearing = 282

No, non fish bearing = 142

Unable to determine fish use status = 8

Barrier status of 290 fish bearing sites (*Fish use = yes and unknown*)

Yes, a barrier = 223

No, not a barrier = 19

Unable to determine barrier status = 48

Percent passable of 223 Barrier Sites

0% passable, total barrier = 12

33% passable, severe barrier = 157

67% passable, partial barrier = 54

Ownership of 223 Fish Bearing, Barrier Sites

Private = 5

Municipal = 4

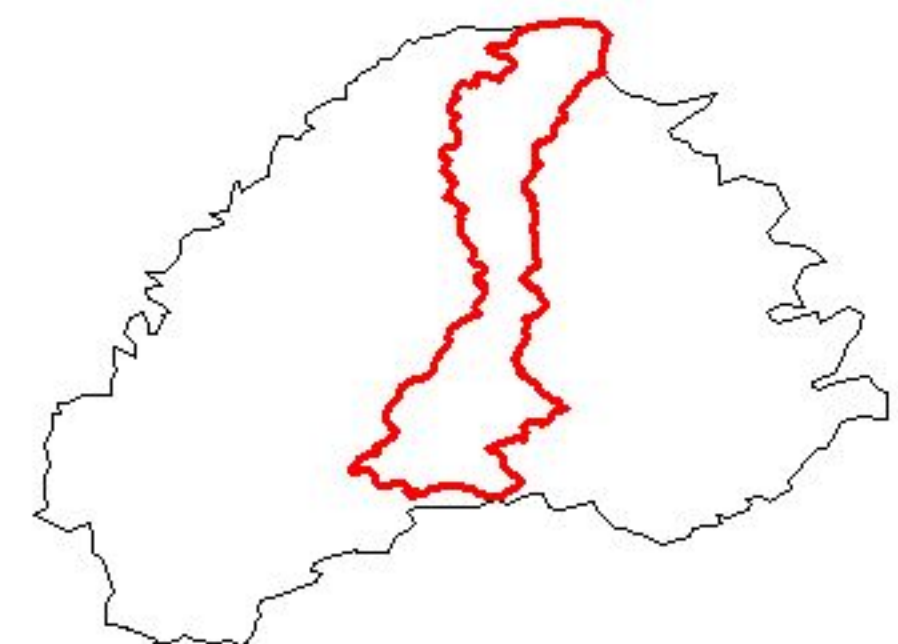
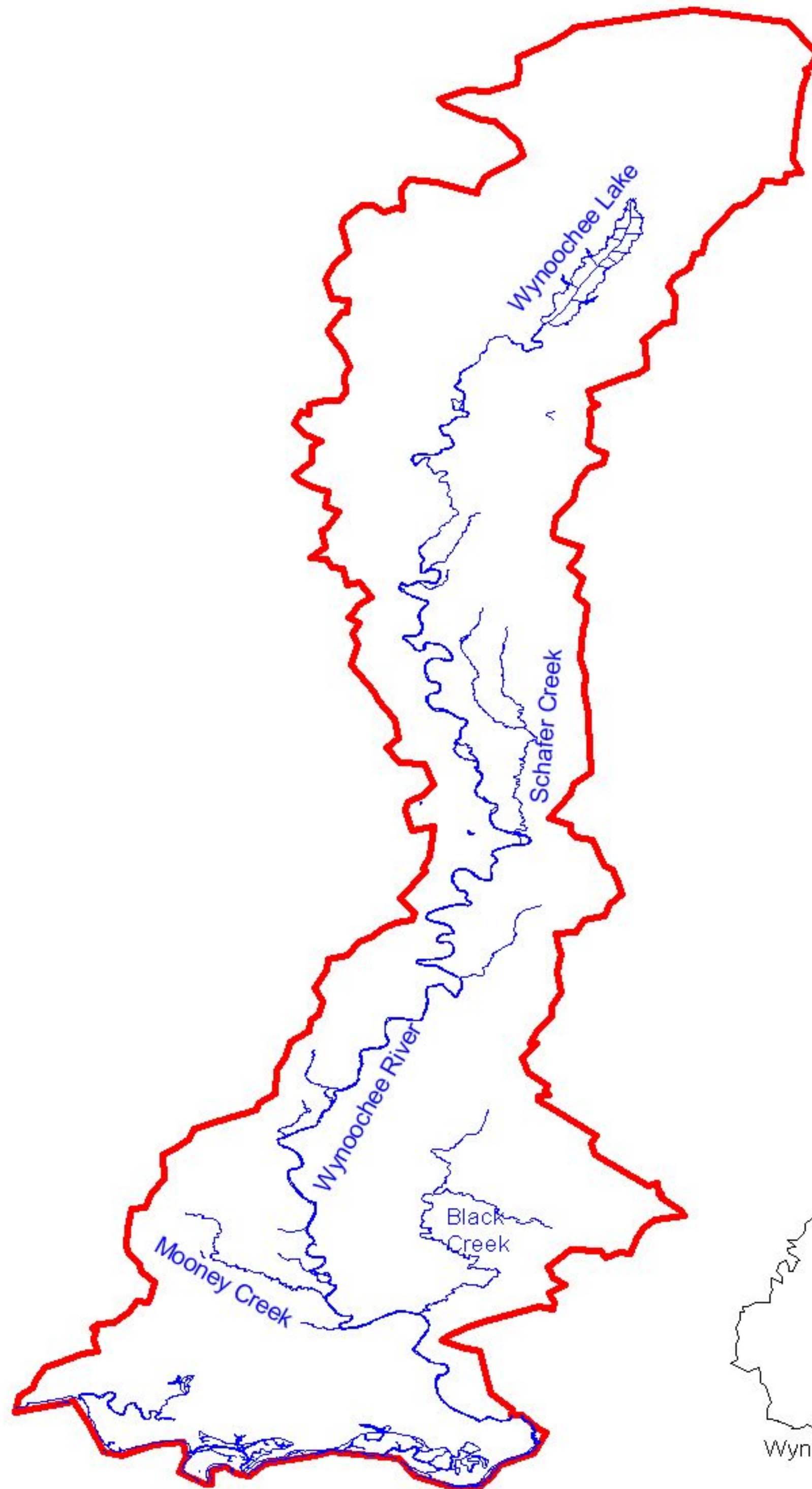
County = 9

State = 0

Federal = 104

Timber Companies = 101

Wynoochee Watershed



Wynoochee Watershed and WRIA 22



WRIA 22 and Washington State



Map by: Gavin Glore, Mason Conservation District

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0001

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:

Water crossing is approximately 0.1 miles southeast of Devonshire Rd/Highway 12 junction.

Site Comments:

Flows through pasture downstream of culvert.
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:
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:

Downstream end of culvert is beveled. Ditch drainage influence at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0002

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97155
Longitude:	-123.62536
WA state plane south (NAD 27, feet)	
East:	1,220,275
North:	612,916

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 20 meters west of Devonshire Rd on private drive, immediately north of Wynoochee bridge.

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:	Edwards, Charyn
Type:	Private

Site Comments:

Beaver dam at upstream end of culvert. Juvenile coho identified at downstream end of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/15/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
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)	1.35
Span/Toe Ratio	0.81

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.10
Rise (m)	1.33
Length (m)	13.74
Slope (%)	-0.55
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.47
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Rip rap at downstream end of culvert; no outfall drop or plunge pool. Wynoochee River approximately 20 meters downstream. Level B completed 1/24/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0003

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 50 meters southwest of Devonshire Rd/Aldergrove Dr junction.

Site Comments:

Stream is backwatered and runs in roadside ditch. OHW=2.9m.

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 due lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0004

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad tracks
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.96593
Longitude:	-123.64001
WA state plane south (NAD 27, feet)	
East:	1,216,537
North:	611,012

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:	Chehalis R 22.0190
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 40 meters west of the Clemons Rd/Devonshire Rd junction, between Clemons and Devonshire Rd beneath RR tracks.

Site Comments:

Stream channel is heavily 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 type="checkbox"/>	Steelhead		

OWNER

Name:	Puget Sound and Pacific RR
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/28/2004
Field Crew:	Haque/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)	2.23
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	PCC
Span (m)	1.45
Rise (m)	1.45
Length (m)	7.79
Slope (%)	-3.30
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.90
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0005

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Clemons Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.96609
Longitude:	-123.63995
WA state plane south (NAD 27, feet)	
East:	1,216,556
North:	611,070

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:	Chehalis R 22.0190
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 15 meters west of the Clemons Rd/Aldergrove Dr junction.

Site Comments:

Stream flows along ditch drainage. Channel is excavated with vegetation throughout.

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:	4/28/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	2.23
Span/Toe Ratio	0.18

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.41
Rise (m)	0.41
Length (m)	11.99
Slope (%)	0.90
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.41
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:

127Y0006

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Central Park Dr
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96358
Longitude: -123.65138
WA state plane south (NAD 27, feet)
East: 1,213,667
North: 610,271

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles west of the Devonshire Dr/Aldergrove Dr junction. (Devonshire Rd becomes Central Park Drive)

Site Comments:

Stream flows through roadside drainage ditch with wetland habitat downstream of site. OHW>0.60m.

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: 4/28/2004
Field Crew: Haque/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): 0.44
Rise (m): 0.44
Length (m): 10.45
Slope (%): 0.86
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Unable to measure toe width, OHW and plunge pool due to wetland habitat. Last section of pipe has broken off. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0007

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Central Park Dr
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96362
Longitude: -123.65469
WA state plane south (NAD 27, feet)
East: 1,212,842
North: 610,316

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.75 miles west of the Devonshire Dr/Aldergrove Dr junction. (Devonshire Rd becomes Central Park Drive)

Site Comments:

Wetland habitat 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: 4/28/2004
Field Crew: Haque/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): 0.59
Rise (m): 0.59
Length (m): 12.18
Slope (%): -0.03
Bed Material: No
Outfall Drop (m): 0.06
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No toe width, OHW 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:

127Y0008

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96383
Longitude: -123.64622
WA state plane south (NAD 27, feet)
East: 1,214,958
North: 610,308

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath the private drive for private residence @ 168 Clemons Rd.

Site Comments:

Wetland habitat 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: William and Michelle Walter
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/29/2004
Field Crew: Haque/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): 0.35
Rise (m): 0.35
Length (m): 10.86
Slope (%): -1.80
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.23
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Unable to measure OHW or toe width due to wetland influence. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0009

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Central Park Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	15
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.96304
Longitude:	-123.66093
WA state plane south (NAD 27, feet)	
East:	1,211,277
North:	610,167

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:	Chehalis R 22.0190
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.75 miles west of Katon Rd/Devonshire Rd junction (Devonshire Rd becomes Central Park Drive).

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:	4/29/2004
Field Crew:	Haque/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)	
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)	9.86
Slope (%)	5.30
Bed Material	No
Outfall Drop (m)	0.16
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Unable to obtain toe width or OHW due to wetlands upstream and downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0010

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Hill Rd
County: Grays Harbor
1/4 Section: SW
Section: 9
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96838
Longitude: -123.69166
WA state plane south (NAD 27, feet)
East: 1,203,688
North: 612,421

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 150 meters south of Karjala Rd/Hill 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:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/29/2004
Field Crew: Haque/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): 0.83
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: PCC
Span (m): 0.62
Rise (m): 0.62
Length (m): 28.98
Slope (%): 1.33
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0011

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97581
Longitude:	-123.68660
WA state plane south (NAD 27, feet)	
East:	1,205,061
North:	615,081

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Chehalis R 22.0190
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive @ 6940 Northbank Rd.

Site Comments:

OHW = 0.39 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Martin & Ruthanne Kay
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/29/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL 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)	0.14
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:

127Y0012

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04314
Longitude: -123.64987
WA state plane south (NAD 27, feet)
East: 1,215,203
North: 639,249

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0268
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 604 Black Creek Rd.

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: Mr. And Mrs. Foscue
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/4/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.99
OHW (m): 1.31
Max Depth (m): 0.13

CHANNEL DESCRIPTION

Toe Width (m): 0.55
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: CAL
Span (m): 0.37
Rise (m): 0.37
Length (m): 14.94
Slope (%): -0.30
Bed Material: No
Outfall Drop (m): 0.13
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Confluence with Black Creek is 15 meters downstream. Level B not applicable due to confluence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0013

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	14
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04316
Longitude:	-123.64934
WA state plane south (NAD 27, feet)	
East:	1,215,335
North:	639,250

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:	Black Cr 22.0268
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 604 Black Creek Rd, approximately 50 meters east of Black Creek Rd.

Site Comments:

Primarily ditch delivery 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:	Mr. And Mrs. Foscue
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/4/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.78
OHW (m)	1.00
Max Depth (m)	0.17

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL 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)	11.17
Slope (%)	2.50
Bed Material	No
Outfall Drop (m)	0.04
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Small diameter PVC pipe runs through culvert. Confluence with Black Creek is 15 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0014

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Wynoochee Tract Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97949
Longitude:	-123.63051
WA state plane south (NAD 27, feet)	
East:	1,219,104
North:	615,860

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the Wynoochee Tract Rd/Wynoochee Valley Rd junction.

Site Comments:

Juvenile coho identified in 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:	5/5/2004
Field Crew:	Haque/Lutz/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	SQSH
Material	CST
Span (m)	1.70
Rise (m)	1.25
Length (m)	12.47
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

About 10 meters DS of culvert is a triple culvert system, unable to survey due to land owner. No plunge pool or toe width due to DS culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0015

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	27
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.01145
Longitude:	-123.67194
WA state plane south (NAD 27, feet)	
East:	1,209,240
North:	627,920

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:	Caldwell Cr 22.0280
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.4 miles west of the Wynoochee Valley Rd/Mooney Rd intersection, immediately south of Wynoochee Valley Rd on private road.

Site Comments:

Landowner identified spawning coho at 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:	Dagnen, Gary
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/5/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LA
Repair Status	UD
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	2.33

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	1.86
Rise (m)	1.68
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.00
Tidegate	No

Culvert Comments:

Riffle immediately downstream of culvert. Wooden foot bridge over the top of culvert, no fill. Did not shoot slope of culvert due to substrate and foot bridge.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0016

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01124
Longitude: -123.67375
WA state plane south (NAD 27, feet)
East: 1,208,784
North: 627,860

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Caldwell Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0280
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located on private drive 0.4 miles north of the Wynoochee Valley Rd/Mooney Rd junction, approximately 150 meters south of Wynoochee Valley Rd.

Site Comments:

Landowner reports returning adult coho.

SPECIES POTENTIAL

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

OWNER

Name: Dagnen, Dan
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/5/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 14.20
OHW (m): 3.89
Max Depth (m): 0.79

CHANNEL DESCRIPTION

Toe Width (m): 2.31
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: SST
Span (m): 1.55
Rise (m): 1.39
Length (m): 8.61
Slope (%): 0.50
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Squashed steel sleeve on upstream end of culvert. Level B evaluation required.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0017

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01219
Longitude: -123.67201
WA state plane south (NAD 27, feet)
East: 1,209,234
North: 628,191

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Caldwell Cr 22.0280
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 630 Wynoochee Valley Rd, approximately 50 meters north of Wynoochee Valley Rd.

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: Dagnen, Scotty J
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/5/2004
Field Crew: Haque/Lutz/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: PVC
Span (m): 0.32
Rise (m): 0.32
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Stream enters larger stream about 2 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0018

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	27
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.01217
Longitude:	-123.67169
WA state plane south (NAD 27, feet)	
East:	1,209,311
North:	628,178

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:	Caldwell Cr 22.0280
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 630 Wynoochee Valley Rd, approximately 75 meters north of Wynoochee Valley Rd.

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:	Dagnen, Scotty J
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/5/2004
Field Crew:	Haque/Lutz/Schuetzler
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)	0.67
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	SST
Span (m)	1.13
Rise (m)	0.99
Length (m)	3.94
Slope (%)	-3.60
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Concrete slabs on both banks on downstream end used for bank stabilization. .



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0019

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01372
Longitude: -123.67547
WA state plane south (NAD 27, feet)
East: 1,208,394
North: 628,784

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Caldwell Cr 22.0280
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located on northbound private drive approximately 0.6 miles north of Wynoochee Valley Rd/Mooney 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: Dagnen, Gary
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/5/2004
Field Crew: Haque/Lutz/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: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.25
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Downstream end of stream is backwatered. Wetland vegetation upstream and downstream of culvert. Rip-rap surrounding downstream end of culvert. Unable to obtain OHW. Perennials growing throughout channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0020

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	21
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.03059
Longitude:	-123.68878
WA state plane south (NAD 27, feet)	
East:	1,205,324
North:	635,063

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is located in yard of private residence @ 873 Wynoochee Valley Rd, approximately 45 meters west of Wynoochee Valley Rd.

Site Comments:

Stream flows through private property and under yard.

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:	Gordon and Donna Maltais
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/5/2004
Field Crew:	Haque/Lutz/Schuetzler
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)	1.03
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)	0.78
Rise (m)	0.78
Length (m)	13.95
Slope (%)	2.25
Bed Material	No
Outfall Drop (m)	0.14
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert has been cut open on top of downstream end. Steel bar spanning upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0021

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22252
Longitude: -123.59513
WA state plane south (NAD 27, feet)
East: 1,231,404
North: 704,084

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.8 miles north of the FS 22/Cougar Smith Rd 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/6/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.60
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): 0.19
Rise (m): 0.47
Length (m): 15.63
Slope (%): 0.62
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.01
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Level B not applicable due to braiding and subsurface flows. No plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0022

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22523
Longitude: -123.60316
WA state plane south (NAD 27, feet)
East: 1,229,449
North: 705,149

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0194
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles north of FS 22/7400 junction.

Site Comments:

Perennial vegetation throughout downstream 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.58
Rise (m): 0.57
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.05
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:

127Y0023

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22761
Longitude: -123.60399
WA state plane south (NAD 27, feet)
East: 1,229,277
North: 706,026

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.2 miles north of the FS 22/7400 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.30
OHW (m): 1.90
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.55
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: CAL
Span (m): 0.75
Rise (m): 0.74
Length (m): 15.67
Slope (%): 4.30
Bed Material: No
Outfall Drop (m): 0.06
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Outfall onto hard clay substrate, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0024

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23051
Longitude: -123.60481
WA state plane south (NAD 27, feet)
East: 1,229,116
North: 707,091

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.5 miles north of FS 22/7400 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.35
OHW (m): 1.85
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m): 1.51
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): 0.61
Rise (m): 0.59
Length (m): 18.34
Slope (%): 1.25
Bed Material: No
Outfall Drop (m): 0.23
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Plunge pool formed in hard clay substrate.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0025

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23164
Longitude: -123.60622
WA state plane south (NAD 27, feet)
East: 1,228,781
North: 707,516

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles north of the FS 22/7400 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.28
OHW (m): 5.76
Max Depth (m): 0.71

CHANNEL DESCRIPTION

Toe Width (m): 1.49
Span/Toe Ratio: 0.41

POTENTIAL 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): 21.94
Slope (%): 2.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0026

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	7
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23254
Longitude:	-123.60769
WA state plane south (NAD 27, feet)	
East:	1,228,431
North:	707,856

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.7 miles north of FS 22/7400 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:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.54
OHW (m)	0.88
Max Depth (m)	0.13

CHANNEL DESCRIPTION

Toe Width (m)	0.62
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)	0.61
Rise (m)	0.61
Length (m)	21.33
Slope (%)	2.30
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

No clearly defined channel downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0027

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23768
Longitude: -123.60995
WA state plane south (NAD 27, feet)
East: 1,227,942
North: 709,752

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.25 miles north of FS 22/7602 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.64
OHW (m): 5.92
Max Depth (m): 1.01

CHANNEL DESCRIPTION

Toe Width (m): 1.62
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): 1.06
Rise (m): 1.07
Length (m): 12.39
Slope (%): 1.20
Bed Material: No
Outfall Drop (m): 0.68
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:

127Y0028

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24029
Longitude:	-123.61093
WA state plane south (NAD 27, feet)	
East:	1,227,738
North:	710,713

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:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of FS 22/7602 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:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.00
OHW (m)	2.60
Max Depth (m)	0.75

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	CST
Span (m)	0.46
Rise (m)	0.44
Length (m)	12.03
Slope (%)	-0.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Downstream is shallow forested wetland, flows into excavated drainage channel south of the culvert. Level B not applicable due to downstream wetland.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0029

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24120
Longitude: -123.61178
WA state plane south (NAD 27, feet)
East: 1,227,540
North: 711,054

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0394
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.55 miles north of FS 22/7602 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.79
OHW (m): 3.26
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.56
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): 0.75
Rise (m): 0.77
Length (m): 11.14
Slope (%): 3.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Top of culvert rusted away at the upstream end. No outfall, water flows directly into plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0030

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24656
Longitude: -123.61215
WA state plane south (NAD 27, feet)
East: 1,227,524
North: 713,011

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0299
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.9 miles north of FS 22/7602-Tie Line 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 8.00
OHW (m): 4.50
Max Depth (m): 0.85

CHANNEL DESCRIPTION

Toe Width (m): 3.75
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): 2.97
Rise (m): 2.10
Length (m): 38.98
Slope (%): 0.61
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.34
Apron: No
Fill Depth (m): 8.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0031

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25575
Longitude: -123.61130
WA state plane south (NAD 27, feet)
East: 1,227,868
North: 716,352

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.55 miles north of FS 22/7602 junction.

Site Comments:

OHW = 0.51 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.16
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:

127Y0032

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25790
Longitude: -123.61473
WA state plane south (NAD 27, feet)
East: 1,227,048
North: 717,171

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer 22.0294
WRIA: 22.0298
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.75 miles north of FS 22/7602 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: 5/10/2004
Field Crew: Haque/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): 5.43
Span/Toe Ratio: 1.09

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 5.94
Rise (m): 2.88
Length (m): 37.06
Slope (%): 1.90
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Rise taken from top of substrate. Culvert resting on cement foundation that is being exposed upstream due to scouring.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0033

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 31
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27012
Longitude: -123.61927
WA state plane south (NAD 27, feet)
East: 1,226,098
North: 721,667

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Schafer Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0294
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.75 miles south of FS 22/7380 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 16.35
OHW (m): 12.38
Max Depth (m): 1.28

CHANNEL DESCRIPTION

Toe Width (m): 4.76
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): 1.55
Rise (m): 1.73
Length (m): 55.06
Slope (%): 1.90
Bed Material: No
Outfall Drop (m): 0.44
WDIC (m): 0.12
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0034

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 30
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27765
Longitude: -123.62908
WA state plane south (NAD 27, feet)
East: 1,223,773
North: 724,509

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Neil Cr
Tributary To: Schaffer Cr 22.0294
WRIA: 22.0297
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 50 meters north of FS 22/7380 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 10.20
OHW (m): 7.61
Max Depth (m): 0.98

CHANNEL DESCRIPTION

Toe Width (m): 3.68
Span/Toe Ratio: 0.70

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.22
Rise (m): 1.20
Length (m): 14.55
Slope (%): 0.69
Bed Material: No
Outfall Drop (m): 0.17
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Pipe 1.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0034

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.36
Rise (m)	1.36
Length (m)	14.20
Slope (%)	-0.80
Bed Material	No
Outfall Drop (m)	0.32
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Pipe 2.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0035

Fish Use: Unk

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28773
Longitude: -123.62538
WA state plane south (NAD 27, feet)
East: 1,224,836
North: 728,146

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles north of FS 22/7850 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:

Failing puncheon connects two wetlands.

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:

127Y0036

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29121
Longitude: -123.62572
WA state plane south (NAD 27, feet)
East: 1,224,801
North: 729,418

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of FS 22/7850 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.50
OHW (m): 3.50
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 1.62

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.59
Rise (m): 0.60
Length (m): 14.11
Slope (%): 4.50
Bed Material: No
Outfall Drop (m): 0.16
WDIC (m): 0.27
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Pipe 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0036

Fish Use: Yes

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.61
Length (m)	14.04
Slope (%)	4.40
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.22
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:

127Y0037

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7390
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28036
Longitude: -123.63747
WA state plane south (NAD 27, feet)
East: 1,221,732
North: 725,579

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles northwest of 7300/7390 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: 5/10/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
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: CST
Span (m): 0.88
Rise (m): 0.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.27
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Unable to complete level A.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0038

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW
Section:	19
Township:	21N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29339
Longitude:	-123.62609
WA state plane south (NAD 27, feet)	
East:	1,224,743
North:	730,214

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.2 miles south of FS 22/7855 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:	5/11/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.00
OHW (m)	2.30
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	2.05
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)	0.91
Rise (m)	0.91
Length (m)	12.45
Slope (%)	4.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Stream system dry at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0039

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.29566
Longitude:	-123.62662
WA state plane south (NAD 27, feet)	
East:	1,224,644
North:	731,050

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters north of FS 22/7855 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:	5/11/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.74
OHW (m)	3.37
Max Depth (m)	0.85

CHANNEL DESCRIPTION

Toe Width (m)	1.30
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)	0.60
Rise (m)	0.60
Length (m)	14.60
Slope (%)	2.10
Bed Material	No
Outfall Drop (m)	0.86
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Stream channel upstream appears to have been excavated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0040

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29628
Longitude: -123.62674
WA state plane south (NAD 27, feet)
East: 1,224,623
North: 731,274

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.1 miles north of FS 22/7855 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/11/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.35
OHW (m): 4.30
Max Depth (m): 1.05

CHANNEL DESCRIPTION

Toe Width (m): 2.06
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): 1.20
Rise (m): 1.20
Length (m): 17.51
Slope (%): 2.80
Bed Material: No
Outfall Drop (m): 0.54
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0041

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Decommissioned Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	7
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32986
Longitude:	-123.62919
WA state plane south (NAD 27, feet)	
East:	1,224,501
North:	743,539

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.95 miles north of the FS 22/O-600 junction, on decommissioned road just east of FS 22.

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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/11/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.80
OHW (m)	2.65
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.25
Span/Toe Ratio	0.99

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)	1.17
Length (m)	12.62
Slope (%)	2.20
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.06
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Additional culvert 3 meters downstream under FS 22.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0042

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	7
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33048
Longitude:	-123.62960
WA state plane south (NAD 27, feet)	
East:	1,224,409
North:	743,770

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 miles north of the FS 22/O-600 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/11/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.37
OHW (m)	2.44
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	1.30

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)	36.16
Slope (%)	2.70
Bed Material	No
Outfall Drop (m)	2.60
WDIC (m)	0.10
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0043

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33605
Longitude: -123.63222
WA state plane south (NAD 27, feet)
East: 1,223,839
North: 745,823

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles south of the 22/2200.100 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: 5/11/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.82
OHW (m): 2.87
Max Depth (m): 0.14

CHANNEL DESCRIPTION

Toe Width (m): 1.00
Span/Toe Ratio: 1.06

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): 1.06
Length (m): 14.63
Slope (%): 8.40
Bed Material: No
Outfall Drop (m): 2.90
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:

127Y0044

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33670
Longitude: -123.63196
WA state plane south (NAD 27, feet)
East: 1,223,914
North: 746,057

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.15 miles south of the 22/2200.100 junction.

Site Comments:

Series of cascades 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: 5/11/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.76
OHW (m): 1.40
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.95
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): 0.65
Rise (m): 0.65
Length (m): 15.59
Slope (%): 9.90
Bed Material: No
Outfall Drop (m): 1.05
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream side of road failing.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0045

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	6
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.34052
Longitude:	-123.63181
WA state plane south (NAD 27, feet)	
East:	1,224,006
North:	747,448

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.9 miles south of the 22/2200.100 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/11/2004
Field Crew:	Haque/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)	0.70
Span/Toe Ratio	1.29

POTENTIAL 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)	0.87
Length (m)	24.64
Slope (%)	7.70
Bed Material	No
Outfall Drop (m)	1.25
WDIC (m)	0.05
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Outfall drop is directly onto large boulders, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0046

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 31
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34840
Longitude: -123.62563
WA state plane south (NAD 27, feet)
East: 1,225,651
North: 750,259

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the 22/2200.100 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: 5/11/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.92
OHW (m): 2.61
Max Depth (m): 0.52

CHANNEL DESCRIPTION

Toe Width (m): 1.15
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): 0.61
Rise (m): 0.61
Length (m): 8.91
Slope (%): 4.10
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is broken and cracked, culvert beginning to fail.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0047

Fish Use: No

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 31
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35569
Longitude: -123.61875
WA state plane south (NAD 27, feet)
East: 1,227,461
North: 752,849

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0310
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the 22/2200.100 junction.

Site Comments:

Series of natural point barriers 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: 5/11/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.05
OHW (m): 19.00
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 4.00
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): 3.10
Rise (m): 3.94
Length (m): 108.72
Slope (%): 2.50
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.22
Apron: DS
Fill Depth (m): 20.00
Tidegate: No

Culvert Comments:

Outfall from culvert to apron is about 0.17 meters. Outfall from apron to plunge pool is 0.35 meters. Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0048

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: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32317
Longitude: -123.62709
WA state plane south (NAD 27, feet)
East: 1,224,924
North: 741,081

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Save Cr 22.0303
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles north of the FS 22/600 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.20
OHW (m): 2.05
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m): 1.05
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): 0.74
Rise (m): 0.74
Length (m): 24.48
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.64
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Additional RND, PCC culvert 20 meters upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0049

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37041
Longitude: -123.59991
WA state plane south (NAD 27, feet)
East: 1,232,337
North: 758,032

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Anderson Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0309
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 75 meters north of the FS 22/2200.180 junction.

Site Comments:

Stream 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: 8/3/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.10
OHW (m): 8.70
Max Depth (m): 1.10

CHANNEL DESCRIPTION

Toe Width (m): 8.30
Span/Toe Ratio: 0.30

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PCC
Span (m): 1.27
Rise (m): 1.27
Length (m): 55.78
Slope (%): 1.50
Bed Material: No
Outfall Drop (m): 1.05
WDIC (m): 0.00
Apron: No
Fill Depth (m): 11.00
Tidegate: No

Culvert Comments:

Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0049

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)	54.52
Slope (%)	1.70
Bed Material	No
Outfall Drop (m)	1.17
WDIC (m)	0.00
Apron	No
Fill Depth (m)	11.00
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0050

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Decommissioned Rd
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32349
Longitude: -123.62682
WA state plane south (NAD 27, feet)
East: 1,224,997
North: 741,195

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Save Cr 22.0303
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles north of the FS 22/600 junction.

Site Comments:

Culvert runs under decommissioned road immediately east of FS 22. OHW = 0.32 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.10
OHW (m): 2.00
Max Depth (m): 0.50

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: 1.2
Shape: RND
Material: PCC
Span (m): 0.48
Rise (m): 0.48
Length (m): 19.59
Slope (%): 1.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.80
Tidegate: No

Culvert Comments:

Pipe 1.2 is on right bank of system.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0050

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	19.47
Slope (%)	1.10
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.70
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0051

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 31
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35775
Longitude: -123.61745
WA state plane south (NAD 27, feet)
East: 1,227,812
North: 753,587

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0310
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles north of the 22/2200.100 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.60
OHW (m): 3.00
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 2.59
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): 1.51
Rise (m): 1.51
Length (m): 81.08
Slope (%): 8.80
Bed Material: No
Outfall Drop (m): 0.72
WDIC (m): 0.03
Apron: No
Fill Depth (m): 15.00
Tidegate: No

Culvert Comments:

Hardpan substrate at downstream end acts as natural apron.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0052

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 30
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36128
Longitude: -123.61426
WA state plane south (NAD 27, feet)
East: 1,228,652
North: 754,844

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of the 22/2200.100 junction.

Site Comments:

OHW = 0.41 meters. Perennial vegetation 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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: Yes
Outfall Drop (m): 0.00
WDIC (m):
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0053

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 29
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36557
Longitude: -123.60786
WA state plane south (NAD 27, feet)
East: 1,230,299
North: 756,344

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 75 meters north of the 22/2200.160 junction.

Site Comments:

20 meter angled extension on downstream end follows grade of fill, at approximately 70% slope.

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: 5/12/2004
Field Crew: Haque/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): 1.92
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): 0.87
Rise (m): 0.88
Length (m): 35.11
Slope (%): 16.92
Bed Material: No
Outfall Drop (m): 0.86
WDIC (m): 0.00
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:

Large pond upstream of culvert. Outfall drop into series of cascades, no plunge pool. Slope calculation includes extension with gradient break.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0054

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36832
Longitude: -123.60352
WA state plane south (NAD 27, feet)
East: 1,231,413
North: 757,306

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles south of the FS 22/2270 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.20
OHW (m): 1.70
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.19
Span/Toe Ratio: 0.99

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): 1.18
Length (m): 47.25
Slope (%): 5.40
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.00
Apron: No
Fill Depth (m): 7.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0055

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SE
Section: 20
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37751
Longitude: -123.59266
WA state plane south (NAD 27, feet)
East: 1,234,234
North: 760,550

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the FS 2270/FS 22 intersection.

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:

Culvert connects small Anderson Creek trib to seasonal marsh area, acting as cross drainage. No measurable toe or OHW but signs of seasonal flows.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.80
OHW (m): 1.60
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): 0.90
Rise (m): 0.90
Length (m): 19.03
Slope (%): 1.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Wetland vegetation downstream of culvert. Poorly defined stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0056

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38149
Longitude: -123.59062
WA state plane south (NAD 27, feet)
East: 1,234,796
North: 761,981

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles north of the FS 2270/FS 22 intersection.

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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.29
OHW (m): 2.77
Max Depth (m): 0.77

CHANNEL DESCRIPTION

Toe Width (m): 0.82
Span/Toe Ratio: 1.79

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.47
Rise (m): 0.89
Length (m): 25.53
Slope (%): 3.20
Bed Material: No
Outfall Drop (m): 1.07
WDIC (m): 0.00
Apron: US
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Hardpan substrate at downstream end acts as natural apron.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0057

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 16
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39340
Longitude: -123.58347
WA state plane south (NAD 27, feet)
East: 1,236,736
North: 766,250

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.4 miles north of the FS 2270/FS 22 intersection.

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: 5/12/2004
Field Crew: Haque/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): 2.32
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): 1.88
Rise (m): 1.75
Length (m): 34.23
Slope (%): 28.35
Bed Material: No
Outfall Drop (m): 3.30
WDIC (m): 0.04
Apron: DS
Fill Depth (m): 11.50
Tidegate: No

Culvert Comments:

Large wooden debris grate at upstream end of culvert. Apron beginning to fail, large cracks and holes throughout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0058

Fish Use:

No

PI:

Barrier:

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41871
Longitude: -123.56496
WA state plane south (NAD 27, feet)
East: 1,241,675
North: 775,299

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles north of the FS 2270/2270.16 junction.

Site Comments:

Natural point barrier at upstream end of culvert. Did not complete level A survey due to no gain for habitat.

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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method:
Repair Status: NG
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.70
OHW (m): 1.50
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 2.50
Span/Toe Ratio: 0.80

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 2.02
Rise (m): 1.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.09
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Large wooden debris grate at upstream end of culvert. Natural point barrier at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0059

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42173
Longitude: -123.56351
WA state plane south (NAD 27, feet)
East: 1,242,077
North: 776,386

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles north of the FS 2270/2270.16 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: 5/12/2004
Field Crew: Haque/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): 1.39
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): 1.25
Rise (m): 0.92
Length (m): 29.56
Slope (%): 10.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 7.50
Tidegate: No

Culvert Comments:

No water in system at time of sample. Riffles immediately downstream of pipe, no plunge pool or outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0060

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42279
Longitude: -123.56270
WA state plane south (NAD 27, feet)
East: 1,242,293
North: 776,765

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0323
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles north of the FS 2270/2270.16 junction.

Site Comments:

Gradient 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
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: SQSH
Material: CST
Span (m): 2.26
Rise (m): 1.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.05
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Large wooden debris grate at upstream end of culvert. Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0061

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42543
Longitude: -123.56273
WA state plane south (NAD 27, feet)
East: 1,242,322
North: 777,727

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.4 miles north of the FS 2270/2270.16 junction.

Site Comments:

OHW = 0.56 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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: Yes
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:

127Y0062

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43301
Longitude: -123.56145
WA state plane south (NAD 27, feet)
East: 1,242,747
North: 780,478

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.1 miles north of the 2270/2372 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.18
OHW (m): 7.39
Max Depth (m): 1.01

CHANNEL DESCRIPTION

Toe Width (m): 4.95
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): 3.07
Rise (m): 2.04
Length (m): 33.59
Slope (%): 5.70
Bed Material: No
Outfall Drop (m): 0.66
WDIC (m): 0.00
Apron: BE
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0063

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43488
Longitude: -123.56097
WA state plane south (NAD 27, feet)
East: 1,242,893
North: 781,154

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2270/2372 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.55
OHW (m): 5.57
Max Depth (m): 0.54

CHANNEL DESCRIPTION

Toe Width (m): 1.90
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): 1.46
Rise (m): 0.90
Length (m): 31.60
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron: DS
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0064

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 34
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44465
Longitude: -123.55473
WA state plane south (NAD 27, feet)
East: 1,244,574
North: 784,656

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0325
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.65 miles north of the FS 2270/2270.181 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: 5/12/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.61
OHW (m): 6.23
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 4.42
Span/Toe Ratio: 0.81

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: SQSH
Material: CST
Span (m): 1.79
Rise (m): 1.09
Length (m): 15.31
Slope (%): 2.20
Bed Material: No
Outfall Drop (m): 0.81
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Confluence with the Wynoochee approximately 40 meters downstream. Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0064

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.78
Rise (m)	1.12
Length (m)	15.53
Slope (%)	2.40
Bed Material	No
Outfall Drop (m)	0.72
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0065

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SE
Section: 26
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45340
Longitude: -123.53274
WA state plane south (NAD 27, feet)
East: 1,250,133
North: 787,634

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles northeast of FS 2270/2270.220 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL 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): 2.35
Rise (m): 2.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Pipe 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0065

Fish Use: No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	2.03
Rise (m)	2.18
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.15
Apron	DS
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0066

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45640
Longitude: -123.52926
WA state plane south (NAD 27, feet)
East: 1,251,036
North: 788,694

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0332
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of FS 2270/2270.220 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.65
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
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:

127Y0067

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45808
Longitude: -123.52853
WA state plane south (NAD 27, feet)
East: 1,251,240
North: 789,301

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles north of the FS 2270/2270.220 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.90
OHW (m): 7.10
Max Depth (m): 1.50

CHANNEL DESCRIPTION

Toe Width (m): 4.40
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): 2.17
Rise (m): 2.17
Length (m): 20.39
Slope (%): 7.30
Bed Material: No
Outfall Drop (m): 0.55
WDIC (m): 0.12
Apron: No
Fill Depth (m): 2.25
Tidegate: No

Culvert Comments:

concrete retaining wall at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0068

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45907
Longitude: -123.52751
WA state plane south (NAD 27, feet)
East: 1,251,506
North: 789,653

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 miles north of the FW 2270/2270.220 junction.

Site Comments:

Two channels merge at upstream end of culvert, one is a ditch drainage. Upstream of culvert stream splits and becomes 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.31
OHW (m): 1.45
Max Depth (m): 0.31

CHANNEL DESCRIPTION

Toe Width (m): 0.55
Span/Toe Ratio: 1.30

POTENTIAL 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): 0.07
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.75
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0069

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45965
Longitude: -123.52710
WA state plane south (NAD 27, feet)
East: 1,251,616
North: 789,860

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 miles north of the 2270/2270.220 junction.

Site Comments:

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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.88
OHW (m): 1.55
Max Depth (m): 0.27

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): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0070

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46240
Longitude: -123.52683
WA state plane south (NAD 27, feet)
East: 1,251,720
North: 790,860

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles north of the FS 2270/2270.220 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.70
OHW (m): 1.75
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.10
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): 1.21
Rise (m): 1.20
Length (m): 15.25
Slope (%): 6.10
Bed Material: No
Outfall Drop (m): 0.80
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:

127Y0071

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46404
Longitude: -123.52645
WA state plane south (NAD 27, feet)
East: 1,251,838
North: 791,453

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.35 miles north of the FS 2270/2270.220 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.17
OHW (m): 5.24
Max Depth (m): 1.00

CHANNEL DESCRIPTION

Toe Width (m): 2.60
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): 1.68
Rise (m): 1.66
Length (m): 18.23
Slope (%): 6.90
Bed Material: No
Outfall Drop (m): 0.28
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:

127Y0072

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 24
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46832
Longitude: -123.52429
WA state plane south (NAD 27, feet)
East: 1,252,432
North: 792,991

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles south of the FS 2270/2270.080 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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): 1.40
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.14
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

US end of culvert has concrete reinforcements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0073

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	NW
Section:	24
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.47444
Longitude:	-123.52116
WA state plane south (NAD 27, feet)	
East:	1,253,291
North:	795,193

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 30 meters north of the FS 2270/2270.280 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls).

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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/17/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	6.09
OHW (m)	7.10
Max Depth (m)	1.30

CHANNEL DESCRIPTION

Toe Width (m)	3.00
Span/Toe Ratio	0.55

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.65
Rise (m)	1.35
Length (m)	10.91
Slope (%)	17.32
Bed Material	No
Outfall Drop (m)	2.10
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert is barrier for resident trout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0074

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 24
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47444
Longitude: -123.52110
WA state plane south (NAD 27, feet)
East: 1,253,305
North: 795,194

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 35 meters north of the FS 2270/2270.280 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls).

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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LB
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.09
OHW (m): 7.10
Max Depth (m): 1.30

CHANNEL DESCRIPTION

Toe Width (m): 3.00
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): 1.50
Rise (m): 1.50
Length (m): 15.40
Slope (%): 11.82
Bed Material: No
Outfall Drop (m): 1.05
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert is a barrier for resident trout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0075

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47819
Longitude: -123.52246
WA state plane south (NAD 27, feet)
East: 1,253,021
North: 796,574

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles north of the FS 2270/2270.280 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls).

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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.87
OHW (m): 2.07
Max Depth (m): 0.65

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): 0.76
Length (m): 12.59
Slope (%): 3.36
Bed Material: No
Outfall Drop (m): 0.90
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert is barrier for resident trout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0076

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.47982
Longitude:	-123.52226
WA state plane south (NAD 27, feet)	
East:	1,253,093
North:	797,164

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.4 miles north of the FS 2270/2270.280 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls).

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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/17/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	NG
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.06
OHW (m)	3.37
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	0.95
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)	1.10
Rise (m)	0.98
Length (m)	19.14
Slope (%)	3.60
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.07
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Natural point barrier upstream of culvert, 20 meter high waterfall. Culvert is a barrier for resident trout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0077

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.48289
Longitude:	-123.52433
WA state plane south (NAD 27, feet)	
East:	1,252,625
North:	798,304

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.7 miles north of the FS 2270/2270.280 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls).

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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/17/2004
Field Crew:	Haque/Schuetzler/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)	1.45
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)	0.90
Rise (m)	0.90
Length (m)	18.40
Slope (%)	10.50
Bed Material	No
Outfall Drop (m)	6.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert is barrier for resident trout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0078

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48436
Longitude: -123.52388
WA state plane south (NAD 27, feet)
East: 1,252,756
North: 798,834

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Schofield Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0335
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters north of the FS 2270/2270.290 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls). 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.19
Rise (m): 2.19
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.25
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0079

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.48529
Longitude: -123.52364
WA state plane south (NAD 27, feet)
East: 1,252,830
North: 799,172

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the FS 2270/2270.290 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls). Natural point barriers upstream and downstream at 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: 5/17/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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): 1.06
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
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:

127Y0080

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270.310
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.49368
Longitude:	-123.53033
WA state plane south (NAD 27, feet)	
East:	1,251,293
North:	802,295

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:	Copper Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0337
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.1 miles northwest of the FS 2270.310/FS 2270.3 junction.

Site Comments:

Road washed out over culvert. Natural point barrier for anadromous species downstream on Wynoochee main stem (Wynoochee Falls).

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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Haque/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)	6.49
Span/Toe Ratio	0.28

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)	1.82
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.77
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Laser shots unavailable due to large log jam. Road has been washed away and culvert has failed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0081

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.48987
Longitude:	-123.53163
WA state plane south (NAD 27, feet)	
East:	1,250,920
North:	800,917

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:	Clark Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0336
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.2 miles northwest of FS 2270/2270.3 junction.

Site Comments:

Road washed out around culvert. Natural point barrier upstream and 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.49
Rise (m)	1.40
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.83
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0082

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270.760
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45342
Longitude: -123.55037
WA state plane south (NAD 27, feet)
East: 1,245,774
North: 787,810

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 25 meters northeast of the FS 2270/2270.760 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: 5/18/2004
Field Crew: Haque/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): 0.92
Span/Toe Ratio: 0.99

POTENTIAL 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): 0.88
Length (m): 16.01
Slope (%): 8.60
Bed Material: No
Outfall Drop (m): 1.70
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0083

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	SE
Section:	27
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.45401
Longitude:	-123.55137
WA state plane south (NAD 27, feet)	
East:	1,245,537
North:	788,034

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Wynoochee 22.0326
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.1 miles west of the FS 2270/2270.760 junction.

Site Comments:

Stream channel poorly defined.

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:	5/18/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
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)	0.44
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.08
WDIC (m)	
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert is buried at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0084

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45400
Longitude: -123.55380
WA state plane south (NAD 27, feet)
East: 1,244,936
North: 788,053

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles west of the FS 2270/2270.760 junction.

Site Comments:

Gradient barrier upstream of culvert, gradient = 24%. Level A not completed due to no 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status: NG
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.79
OHW (m): 1.60
Max Depth (m): 0.29

CHANNEL DESCRIPTION

Toe Width (m): 0.41
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: CAL
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.02
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0085

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 27
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45420
Longitude: -123.55531
WA state plane south (NAD 27, feet)
East: 1,244,565
North: 788,142

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles west of the FS 2270/2270.760 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 = 30%, gradient barrier upstream of culvert. Level A not completed due to no gain.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status: NG
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.98
OHW (m): 1.46
Max Depth (m): 0.32

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m): 1.27
Span/Toe Ratio:

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): 0.36
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

3.1 meter high cascade about 10 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0086

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	SE
Section:	27
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.45350
Longitude:	-123.55745
WA state plane south (NAD 27, feet)	
East:	1,244,026
North:	787,905

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.4 miles west of the FS 2270/2270.760 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:	5/18/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	NG
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.43
OHW (m)	1.46
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	0.90
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	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	18.06
Slope (%)	18.20
Bed Material	No
Outfall Drop (m)	0.13
WDIC (m)	0.00
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0087

Fish Use:

No

PI:

Barrier:

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 27
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45992
Longitude: -123.55690
WA state plane south (NAD 27, feet)
East: 1,244,253
North: 790,240

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles west of the FS 2270/2270.760 junction.

Site Comments:

Gradient = 22% upstream of culvert, gradient barrier. Did not complete level A survey due to no 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method:
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): 0.58
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.74
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0088

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46102
Longitude: -123.55746
WA state plane south (NAD 27, feet)
East: 1,244,130
North: 790,648

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles west of the FS 2270/2270.760 junction.

Site Comments:

Gradient = 35%. Gradient 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.24
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0089

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	SW
Section:	22
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.46438
Longitude:	-123.56389
WA state plane south (NAD 27, feet)	
East:	1,242,587
North:	791,936

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 Wynoochee 22.0326
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 miles north of the FS 2270/2270.700 junction.

Site Comments:

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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:	5/18/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.65
OHW (m)	5.90
Max Depth (m)	0.91

CHANNEL DESCRIPTION

Toe Width (m)	3.88
Span/Toe Ratio	0.41

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)	1.67
Length (m)	12.35
Slope (%)	12.18
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0090

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SE
Section: 21
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46789
Longitude: -123.57206
WA state plane south (NAD 27, feet)
East: 1,240,619
North: 793,293

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles north of FS 2270/2270.700 junction.

Site Comments:

OHW = 0.27 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.59
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0091

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 21
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46828
Longitude: -123.57307
WA state plane south (NAD 27, feet)
East: 1,240,374
North: 793,444

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.5 miles north of FS 2270/2270.700 junction.

Site Comments:

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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status: NG
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 3.37
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): 1.86
Rise (m): 1.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.39
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0091

Fish Use: No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.85
Rise (m)	1.44
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.28
WDIC (m)	0.00
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0092

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 21
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47063
Longitude: -123.57853
WA state plane south (NAD 27, feet)
East: 1,239,058
North: 794,353

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.85 miles northwest of FS 2270/2270.700 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: 5/18/2004
Field Crew: Haque/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): 3.40
Span/Toe Ratio: 0.68

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 2.33
Rise (m): 1.77
Length (m): 15.02
Slope (%): 12.31
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

No plunge pool or outfall drop, water flows directly into riffle.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0093

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47098
Longitude: -123.58154
WA state plane south (NAD 27, feet)
East: 1,238,320
North: 794,511

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0329
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.95 miles northwest of FS 2270.2270.700 junction.

Site Comments:

Gradient downstream of culvert is 24%, gradient 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe 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): 2.86
Rise (m): 2.26
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.26
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:

127Y0094

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47206
Longitude: -123.59019
WA state plane south (NAD 27, feet)
East: 1,236,197
North: 794,986

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.4 miles northwest of FS 2270/2270.700 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.23
OHW (m): 4.61
Max Depth (m): 0.46

CHANNEL DESCRIPTION

Toe Width (m): 2.96
Span/Toe Ratio: 1.30

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): 0.84
Length (m): 12.18
Slope (%): 5.00
Bed Material: No
Outfall Drop (m): 0.78
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:

127Y0095

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47270
Longitude: -123.59124
WA state plane south (NAD 27, feet)
East: 1,235,947
North: 795,232

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.5 miles northwest of the FS 2270/2270.700 junction.

Site Comments:

OHW = 0.56 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.74
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.12
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:

127Y0096

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47174
Longitude: -123.59534
WA state plane south (NAD 27, feet)
East: 1,234,920
North: 794,920

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.65 miles northwest of FS 2270/2270.700 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.19
OHW (m): 2.23
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.58
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0097

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.47053
Longitude: -123.59722
WA state plane south (NAD 27, feet)
East: 1,234,437
North: 794,497

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters southwest of FS 2270/2270.660 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: 5/18/2004
Field Crew: Haque/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): 1.15
Span/Toe Ratio: 0.39

POTENTIAL 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): 12.25
Slope (%): 13.20
Bed Material: No
Outfall Drop (m): 0.34
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No plunge pool, series of cascades downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0098

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270.660
County:	Grays Harbor
1/4 Section:	NE
Section:	20
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.47036
Longitude:	-123.59689
WA state plane south (NAD 27, feet)	
East:	1,234,516
North:	794,433

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Wynoochee 22.0326
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters southwest of FS 2270/2270.660 junction.

Site Comments:

Culvert runs under decommissioned road.

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:	5/18/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.78
OHW (m)	2.41
Max Depth (m)	0.54

CHANNEL DESCRIPTION

Toe Width (m)	1.15
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)	0.61
Rise (m)	0.59
Length (m)	12.30
Slope (%)	12.50
Bed Material	No
Outfall Drop (m)	0.88
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Confluence with WF Wynoochee River approximately 40 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0099

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46746
Longitude: -123.61126
WA state plane south (NAD 27, feet)
East: 1,230,922
North: 793,515

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles west of FS 2270/2270.640 junction.

Site Comments:

OHW = 0.57 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

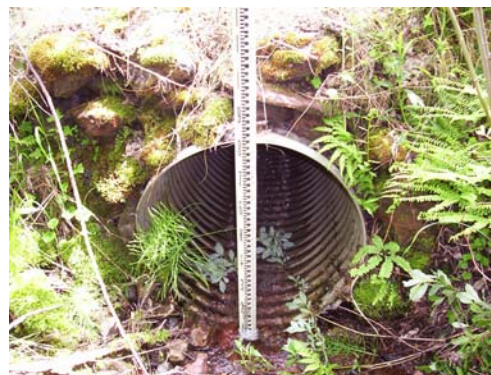
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.77
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is hinged at a 45 degree angle, with a chute attached to it.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0100

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SE
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46720
Longitude: -123.61339
WA state plane south (NAD 27, feet)
East: 1,230,393
North: 793,440

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.7 miles west of FS 2270/2270.640 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: 5/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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): 1.06
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.05
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

No plunge pool, stream cascades directly downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0101

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SE
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46709
Longitude: -123.61533
WA state plane south (NAD 27, feet)
East: 1,229,911
North: 793,422

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles west of FS 2270/2270.640 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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.73
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.88
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0102

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	SE
Section:	19
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.46705
Longitude:	-123.61743
WA state plane south (NAD 27, feet)	
East:	1,229,393
North:	793,426

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:	WF Wynoochee 22.0326
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.9 miles west of FS 2270/2270.640 junction.

Site Comments:

Gradient barrier upstream and 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.82
OHW (m)	1.69
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	CAL
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.33
WDIC (m)	0.04
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0103

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46710
Longitude: -123.61895
WA state plane south (NAD 27, feet)
East: 1,229,018
North: 793,459

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles west of FS 2270/2270.640 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: 5/29/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.46
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:

127Y0104

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46707
Longitude: -123.62068
WA state plane south (NAD 27, feet)
East: 1,228,590
North: 793,464

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 miles west of the 2270/2270.640 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.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.50
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:

127Y0105

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46708
Longitude: -123.62122
WA state plane south (NAD 27, feet)
East: 1,228,457
North: 793,473

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 miles west of the FS 2270/2270.640 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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.33
OHW (m): 0.83
Max Depth (m): 0.23

CHANNEL DESCRIPTION

Toe Width (m): 0.30
Span/Toe Ratio: 2.00

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.10
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:

127Y0106

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46740
Longitude: -123.62264
WA state plane south (NAD 27, feet)
East: 1,228,111
North: 793,606

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles west of the 2270/2270.640 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.66
OHW (m): 0.70
Max Depth (m): 0.21

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): 0.74
Rise (m): 0.72
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.21
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:

127Y0107

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46774
Longitude: -123.62339
WA state plane south (NAD 27, feet)
East: 1,227,930
North: 793,735

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles west of the 2270/2270.640 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.64
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.69
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:

127Y0108

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: SW
Section: 19
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.46781
Longitude: -123.62421
WA state plane south (NAD 27, feet)
East: 1,227,728
North: 793,768

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles west of the FS 2270/2270.640 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.78
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.11
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0109

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	SW
Section:	19
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.46786
Longitude:	-123.62583
WA state plane south (NAD 27, feet)	
East:	1,227,328
North:	793,802

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 Wynoochee 22.0326
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.3 miles west of the 2270/2270.640 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:	US Forest Service
Type:	Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.52
OHW (m)	1.98
Max Depth (m)	0.32

CHANNEL DESCRIPTION

Toe Width (m)	0.70
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)	0.62
Rise (m)	0.63
Length (m)	18.25
Slope (%)	12.20
Bed Material	No
Outfall Drop (m)	0.27
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:

127Y0110

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2270.680
County:	Grays Harbor
1/4 Section:	NW
Section:	21
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.47298
Longitude:	-123.58938
WA state plane south (NAD 27, feet)	
East:	1,236,409
North:	795,316

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 Wynoochee 22.0326
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.1 miles north of FS 2270.680/2270 junction.

Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat.

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:	5/19/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	NG
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	7.34
OHW (m)	3.85
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)	1.06
Rise (m)	0.98
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.87
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:

127Y0111

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.43167
Longitude:	-123.56192
WA state plane south (NAD 27, feet)	
East:	1,242,612
North:	779,991

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters east of FS 2372/2270 intersection.

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

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	6.17
OHW (m)	4.00
Max Depth (m)	2.36

CHANNEL DESCRIPTION

Toe Width (m)	5.09
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)	1.72
Rise (m)	1.92
Length (m)	9.64
Slope (%)	4.70
Bed Material	No
Outfall Drop (m)	3.03
WDIC (m)	0.00
Apron	US
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0112

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 3
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42742
Longitude: -123.55824
WA state plane south (NAD 27, feet)
East: 1,243,461
North: 778,408

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles southeast of the FS 2372/2270 intersection.

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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.70
OHW (m): 7.10
Max Depth (m): 0.71

CHANNEL 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): 1.60
Rise (m): 1.07
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.38
WDIC (m): 0.07
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0112

Fish Use: No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.56
Rise (m)	1.13
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.77
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0113

Fish Use:

No

PI:

Barrier:

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	SW
Section:	3
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.42342
Longitude:	-123.55966
WA state plane south (NAD 27, feet)	
East:	1,243,053
North:	776,963

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.7 mile south of the FS 2372/FS 2270 junction.

Site Comments:

Gradient barrier upstream. Did not complete level A survey due to no gain for 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Unk
Passability (%)	
Method	
Repair Status	NG
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	1.61
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)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.16
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Recently replaced culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0114

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42220
Longitude: -123.55818
WA state plane south (NAD 27, feet)
East: 1,243,403
North: 776,504

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles south of the FS 2372/FS 2270 junction.

Site Comments:

Gradient = 29%, gradient 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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.80
OHW (m): 4.20
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: 1.2
Shape: RND
Material: CST
Span (m): 1.39
Rise (m): 1.28
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.24
WDIC (m): 0.07
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0114

Fish Use: No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.14
Rise (m)	1.25
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.97
WDIC (m)	0.00
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank. No water in culvert, water flows through pipe 1.2.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0115

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42224
Longitude: -123.55833
WA state plane south (NAD 27, feet)
East: 1,243,367
North: 776,520

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles south of the FS 2372/FS 2270 junction.

Site Comments:

Gradient = 29%, gradient 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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.04
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Natural point barrier upstream of culvert, slide and cascades.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0116

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41650
Longitude: -123.55743
WA state plane south (NAD 27, feet)
East: 1,243,508
North: 774,421

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters north of the 2372/2372.820 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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.25
OHW (m): 4.30
Max Depth (m): 0.93

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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): 1.65
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.06
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:

127Y0117

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41629
Longitude: -123.55778
WA state plane south (NAD 27, feet)
East: 1,243,417
North: 774,348

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 30 meters west of the 2372/2372.820 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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Spring fed at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0118

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372.820
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41628
Longitude: -123.55683
WA state plane south (NAD 27, feet)
East: 1,243,654
North: 774,333

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters east of the FS 2372.820/FS 2372 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: 5/19/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.24
OHW (m): 3.40
Max Depth (m): 0.73

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.09
WDIC (m): 0.07
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Outfall drop onto rip rap, cascades to plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0119

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NW
Section: 28
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37033
Longitude: -123.58387
WA state plane south (NAD 27, feet)
East: 1,236,309
North: 757,847

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Anderson Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0309
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.7 miles east of the FS 23/FS 2270 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: 5/20/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.17
OHW (m): 6.40
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 2.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: SQSH
Material: CST
Span (m): 1.89
Rise (m): 1.42
Length (m): 18.24
Slope (%): 7.80
Bed Material: No
Outfall Drop (m): 1.12
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Water has scoured away under the culvert at the downstream end. Pipe 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0119

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.99
Rise (m)	1.33
Length (m)	18.47
Slope (%)	2.30
Bed Material	No
Outfall Drop (m)	0.42
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Water has scoured out beneath culvert at the downstream end. Pipe 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0120

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	2372.020
County:	Grays Harbor
1/4 Section:	NE
Section:	28
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.37304
Longitude:	-123.57941
WA state plane south (NAD 27, feet)	
East:	1,237,450
North:	758,791

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:	Anderson Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0309
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.2 miles north of the FS 2372/2372.020 junction.

Site Comments:

Woody debris pile on upstream end 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/18/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	7.65
OHW (m)	5.44
Max Depth (m)	1.24

CHANNEL DESCRIPTION

Toe Width (m)	1.96
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)	1.52
Rise (m)	1.53
Length (m)	15.09
Slope (%)	6.50
Bed Material	No
Outfall Drop (m)	0.66
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:

127Y0121

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	2372.020
County:	Grays Harbor
1/4 Section:	SE
Section:	21
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.37627
Longitude:	-123.57842
WA state plane south (NAD 27, feet)	
East:	1,237,741
North:	759,957

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:	Anderson Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0309
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.45 miles north of the FS 2372/2372.020 junction.

Site Comments:

Abundant LWD in stream 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 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:	8/18/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	5.42
OHW (m)	5.15
Max Depth (m)	0.97

CHANNEL DESCRIPTION

Toe Width (m)	2.34
Span/Toe Ratio	0.63

POTENTIAL HABITAT GAIN

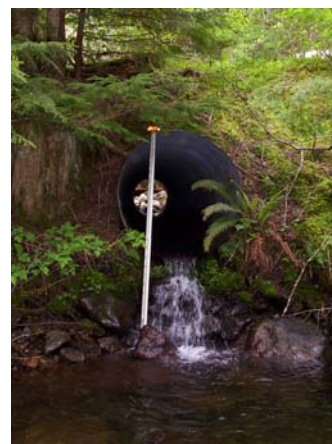
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.48
Rise (m)	1.54
Length (m)	15.65
Slope (%)	3.50
Bed Material	No
Outfall Drop (m)	0.96
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

3.25 meter cascade 10 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0122

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NE
Section:	29
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.37267
Longitude:	-123.59895
WA state plane south (NAD 27, feet)	
East:	1,232,607
North:	758,846

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:	Anderson Cr 22.0309
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters west of the FS 22/2270 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/20/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.78
OHW (m)	4.06
Max Depth (m)	0.41

CHANNEL DESCRIPTION

Toe Width (m)	1.45
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)	1.07
Rise (m)	1.07
Length (m)	24.36
Slope (%)	1.78
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

OHW = 2.35 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0123

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37314
Longitude: -123.60091
WA state plane south (NAD 27, feet)
East: 1,232,129
North: 759,037

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of the FS 22/2270 junction.

Site Comments:

Poorly defined stream channel upstream. Ditch drainage influence.

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: 5/20/2004
Field Crew: Haque/Schuetzler/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): 1.65
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): 0.63
Rise (m): 0.63
Length (m): 11.28
Slope (%): 1.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

No plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0124

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SW
Section:	20
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.37706
Longitude:	-123.60398
WA state plane south (NAD 27, feet)	
East:	1,231,424
North:	760,496

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 22/2294 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:	US Forest Service
Type:	Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/20/2004
Field Crew:	Haque/Schuetzler/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)	0.90
Rise (m)	0.60
Length (m)	52.58
Slope (%)	24.23
Bed Material	No
Outfall Drop (m)	1.90
WDIC (m)	0.07
Apron	No
Fill Depth (m)	17.00
Tidegate	No

Culvert Comments:

Top of culvert cut open at upstream, debris jam at upstream mouth. No toe or plunge pool measurements due to high gradient of stream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0125

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37807
Longitude: -123.60510
WA state plane south (NAD 27, feet)
East: 1,231,162
North: 760,874

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the FS 22/2294 junction.

Site Comments:

Ditch drainage influence upstream. 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/20/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 0
Method: LA
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: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 15.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Outfall has scoured a large cut bank at downstream end of culvert, could not complete level A due to safety concerns. Natural point barrier 15 meters upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0126

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37902
Longitude: -123.60527
WA state plane south (NAD 27, feet)
East: 1,231,135
North: 761,220

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the FS 22/2294 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: 5/20/2004
Field Crew: Haque/Schuetzler/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): 0.65
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: CST
Span (m): 0.71
Rise (m): 0.84
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.28
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Long chute on downstream end. No shots taken due to chute (approximately 30 meters long). Outfall onto series of cascades; no plunge pool. OHW = 0.65 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0127

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SW
Section:	20
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.38056
Longitude:	-123.60561
WA state plane south (NAD 27, feet)	
East:	1,231,071
North:	761,787

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.5 miles north of the FS 22/2294 junction.

Site Comments:

Gradient barrier; 23% gradient upstream. Level A not completed due to no habitat gain 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:	5/20/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
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)	0.90
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	20.00
Tidegate	No

Culvert Comments:

Woody debris covering upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0128

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SW
Section: 8
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40341
Longitude: -123.60397
WA state plane south (NAD 27, feet)
East: 1,231,806
North: 770,100

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Scatter Cr 22.0320
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters north of the FS 2294/2294.26 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: 5/25/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.77
OHW (m): 0.58
Max Depth (m): 5.48

CHANNEL DESCRIPTION

Toe Width (m): 1.61
Span/Toe Ratio: 0.93

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.76
Length (m): 12.13
Slope (%): 2.00
Bed Material: No
Outfall Drop (m): 0.03
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

OHW= 1.86 meters. Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0128

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.77
Length (m)	12.27
Slope (%)	0.37
Bed Material	No
Outfall Drop (m)	0.21
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0129

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41304
Longitude: -123.60593
WA state plane south (NAD 27, feet)
East: 1,231,459
North: 773,629

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Scatter Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0320
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.45 miles north of the FS 2294/2294.30 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: 5/25/2004
Field Crew: Haque/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): 6.08
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): 4.33
Rise (m): 2.99
Length (m): 21.43
Slope (%): 6.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

No plunge pool, stream flows directly into riffles at downstream end. Downstream end of culvert, beveled. OHW = 7.15 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0130

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41455
Longitude: -123.60162
WA state plane south (NAD 27, feet)
East: 1,232,546
North: 774,138

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Scatter Cr 22.0320
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles northeast of the FS 2294/2294.32 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: 5/25/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.78
OHW (m): 2.77
Max Depth (m): 0.37

CHANNEL DESCRIPTION

Toe Width (m): 3.40
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): 0.91
Rise (m): 0.91
Length (m): 11.85
Slope (%): 4.90
Bed Material: No
Outfall Drop (m): 0.18
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

OHW = 4.05 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0131

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SE
Section:	5
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.41779
Longitude:	-123.59949
WA state plane south (NAD 27, feet)	
East:	1,233,121
North:	775,296

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:	Beaver Cr 22.0321
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.2 miles north of the FS 2294/2294.34 junction.

Site Comments:

Upstream channel has been diverted and now flows through ditch 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.47
OHW (m)	1.56
Max Depth (m)	0.29

CHANNEL DESCRIPTION

Toe Width (m)	0.89
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)	0.75
Rise (m)	0.75
Length (m)	12.48
Slope (%)	6.90
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

OHW = 1.0 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0132

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42315
Longitude: -123.59700
WA state plane south (NAD 27, feet)
East: 1,233,813
North: 777,227

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Beaver Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0321
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.6 miles north of the FS 2294/2294.34 junction.

Site Comments:

Natural point barrier (4.3 meters vertical)) upstream of culvert, level A not completed due to 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: 5/25/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method:
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: SQSH
Material: CST
Span (m): 3.45
Rise (m): 2.17
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.41
WDIC (m): 0.08
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Outfall onto large boulders. Pipe beveled upstream and downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0133

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SW
Section: 33
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43487
Longitude: -123.58378
WA state plane south (NAD 27, feet)
East: 1,237,251
North: 781,371

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 25 meters south of the FS 2294/2294.400 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: 5/25/2004
Field Crew: Haque/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): 1.38
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: CST
Span (m): 0.76
Rise (m): 0.76
Length (m): 12.30
Slope (%): 4.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert backwatered by downstream wetland, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0134

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SW
Section:	33
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.43592
Longitude:	-123.58334
WA state plane south (NAD 27, feet)	
East:	1,237,375
North:	781,748

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters north of the FS 2294/2294.400 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:	5/25/2004
Field Crew:	Haque/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)	0.43
Rise (m)	0.46
Length (m)	12.30
Slope (%)	1.88
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.24
Apron	No
Fill Depth (m)	1.30
Tidegate	No

Culvert Comments:

Stream has been diverted 50 meters upstream to ditch and flows to both culverts 127Y0281 and 127Y0280. Wetland habitat downstream of culvert, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0135

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44065
Longitude: -123.58177
WA state plane south (NAD 27, feet)
East: 1,237,829
North: 783,458

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Trout Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0324
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 40 meters south of the FS 2294/2275 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: 5/25/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.40
OHW (m): 12.23
Max Depth (m): 1.15

CHANNEL DESCRIPTION

Toe Width (m): 6.66
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): 2.69
Rise (m): 2.77
Length (m): 24.13
Slope (%): 4.80
Bed Material: No
Outfall Drop (m): 1.20
WDIC (m): 0.25
Apron: DS
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Cement retaining walls surrounding upstream and downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0136

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44114
Longitude: -123.58188
WA state plane south (NAD 27, feet)
East: 1,237,810
North: 783,637

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Trout Cr 22.0324
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 25 meters northwest of the 2294/2275 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: 5/25/2004
Field Crew: Haque/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): 0.57
Span/Toe Ratio: 1.30

POTENTIAL 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): 0.74
Length (m): 15.22
Slope (%): 11.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Stream flows along ditch downstream of culvert. No plunge pool, stream flows subsurface 1 meter downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0137

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2275.100
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44030
Longitude: -123.57160
WA state plane south (NAD 27, feet)
East: 1,240,340
North: 783,233

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles east of the 2275/2275.100 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: 5/25/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.80
OHW (m): 3.35
Max Depth (m): 1.14

CHANNEL DESCRIPTION

Toe Width (m): 2.44
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): 1.80
Rise (m): 1.79
Length (m): 24.03
Slope (%): 6.40
Bed Material: No
Outfall Drop (m): 1.10
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:

127Y0138

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2275
County:	Grays Harbor
1/4 Section:	NE
Section:	33
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.44122
Longitude:	-123.57773
WA state plane south (NAD 27, feet)	
East:	1,238,838
North:	783,624

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters northeast of the 2275/2275.100 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:

Poorly defined stream channel, no toe or OHW measurement available.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.78
OHW (m)	1.64
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)	0.61
Rise (m)	0.60
Length (m)	11.33
Slope (%)	3.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Braiding and LWD downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0139

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2275
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44204
Longitude: -123.57605
WA state plane south (NAD 27, feet)
East: 1,239,265
North: 783,907

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the FS 2275/2275.100 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: 5/25/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.17
OHW (m): 2.59
Max Depth (m): 0.84

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: CST
Span (m): 0.61
Rise (m): 0.59
Length (m): 12.48
Slope (%): 8.80
Bed Material: No
Outfall Drop (m): 0.74
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0140

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2275
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44565
Longitude: -123.56971
WA state plane south (NAD 27, feet)
East: 1,240,884
North: 785,162

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles northeast of the 2275/2275.100 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. Did not complete level A survey due to no gain for habitat.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/25/2004
Field Crew: Haque/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): 1.49
Rise (m): 1.51
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:

Culvert is beveled on both ends.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0141

Fish Use:

Yes

PI:

Barrier:

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2275
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.45430
Longitude: -123.56330
WA state plane south (NAD 27, feet)
East: 1,242,591
North: 788,256

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Wynoochee 22.0326
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles northeast of the FS 2275/2275.100 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:

Natural point barrier (8 meters) upstream of culvert. Did not complete level A survey due to no gain for habitat.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Haque/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: SQSH
Material: CST
Span (m): 2.73
Rise (m): 1.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.12
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Upstream end beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0142

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NE
Section: 32
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44415
Longitude: -123.59176
WA state plane south (NAD 27, feet)
East: 1,235,409
North: 784,829

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Trout Cr 22.0324
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.7 miles northeast of the FS 22.94/2294.460 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. Did not complete level A survey due to no gain for habitat.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Haque/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): 1.51
Rise (m): 1.52
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.20
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:

127Y0143

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.44421
Longitude:	-123.59200
WA state plane south (NAD 27, feet)	
East:	1,235,350
North:	784,853

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.65 miles east of the FS 2294/2294.460 junction.

Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat. Confluence with Trout Creek 25 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:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.05
OHW (m)	2.97
Max Depth (m)	0.58

CHANNEL DESCRIPTION

Toe Width (m)	1.85
Span/Toe Ratio	

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)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.40
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Outfall drop onto series of cascades, then forms a plunge pool. Both ends of culvert beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0144

Fish Use: No

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.44395
Longitude:	-123.60006
WA state plane south (NAD 27, feet)	
East:	1,233,355
North:	784,838

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:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.3 miles northeast of the 2294/2294.460 junction.

Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for 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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	
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)	1.10
Rise (m)	1.05
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
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:

127Y0145

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.44368
Longitude:	-123.60128
WA state plane south (NAD 27, feet)	
East:	1,233,050
North:	784,750

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:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles northeast of the 2294/2294.460 junction

Site Comments:

Gradient barrier upstream of culvert. Level A not completed due to no habitat gain. Trout Creek confluence 25 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:	5/26/2004
Field Crew:	Haque/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)	0.93
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Downstream end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0146

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44317
Longitude: -123.60362
WA state plane south (NAD 27, feet)
East: 1,232,464
North: 784,587

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Trout Cr 22.0324
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the 2294/2294.460 junction.

Site Comments:

Gradient barrier upstream. Level A not completed due to 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: 5/26/2004
Field Crew: Haque/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): 1.10
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
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:

127Y0147

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44307
Longitude: -123.60372
WA state plane south (NAD 27, feet)
East: 1,232,436
North: 784,551

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Trout Cr 22.0324
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles northeast of the 2294/2294.460 junction.

Site Comments:

OHW = 0.4 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: 5/26/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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):
Slope (%):
Bed Material: No
Outfall Drop (m):
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:

127Y0148

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44205
Longitude: -123.60541
WA state plane south (NAD 27, feet)
East: 1,232,005
North: 784,196

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Trout Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0324
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 40 meters north of the 2294/2294.460 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: 5/26/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 10.15
OHW (m): 12.35
Max Depth (m): 1.20

CHANNEL DESCRIPTION

Toe Width (m): 3.60
Span/Toe Ratio: 1.14

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 4.09
Rise (m): 2.92
Length (m): 22.04
Slope (%): 8.08
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.13
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert is beveled on both ends. OHW = 6.0 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0149

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44186
Longitude: -123.60524
WA state plane south (NAD 27, feet)
East: 1,232,044
North: 784,126

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Trout Cr 22.0324
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 25 meters east of the 2294/2294.460 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: 5/26/2004
Field Crew: Haque/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):
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): 2.38
Rise (m): 1.59
Length (m): 21.19
Slope (%): 9.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

OHW, toe and plunge pool measurements unavailable due to confluence with Trout Creek immediately downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0150

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294.460
County:	Grays Harbor
1/4 Section:	NW
Section:	32
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.44142
Longitude:	-123.60711
WA state plane south (NAD 27, feet)	
East:	1,231,576
North:	783,985

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.10 miles west of FS 2294.460/2294 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:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.50
OHW (m)	2.90
Max Depth (m)	0.67

CHANNEL DESCRIPTION

Toe Width (m)	2.70
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)	0.50
Rise (m)	1.05
Length (m)	12.29
Slope (%)	3.20
Bed Material	Yes
Outfall Drop (m)	0.60
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:

Stream dry at time of sample, level B evaluation not applicable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0151

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 23N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.44150
Longitude: -123.60175
WA state plane south (NAD 27, feet)
East: 1,232,902
North: 783,959

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Trout Cr 22.0324
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles east of the FS 2294/2294.460 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 of culvert. Level A analysis not completed due to no habitat gain.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Haque/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): 0.90
Rise (m): 0.82
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.05
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Upstream end of culvert deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0152

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	23N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.44159
Longitude:	-123.59960
WA state plane south (NAD 27, feet)	
East:	1,233,434
North:	783,971

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:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.3 miles east of the FS2294/2294.460 junction.

Site Comments:

Gradient barrier upstream of culvert. Level A analysis not completed due to no habitat gain.

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:	5/26/2004
Field Crew:	Haque/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)	0.74
Rise (m)	0.74
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0153

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.100
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39003
Longitude: -123.61131
WA state plane south (NAD 27, feet)
East: 1,229,797
North: 765,295

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0318
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles northwest of the FS 2294/2294.100 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.20
OHW (m): 3.68
Max Depth (m): 0.77

CHANNEL DESCRIPTION

Toe Width (m): 4.02
Span/Toe Ratio: 0.23

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.92
Rise (m): 0.92
Length (m): 39.51
Slope (%): 4.30
Bed Material: No
Outfall Drop (m): 0.46
WDIC (m): 0.01
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:

OHW = 4.0 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0154

Fish Use:

Yes

PI:

Barrier:

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.100
County: Grays Harbor
1/4 Section: SE
Section: 18
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39081
Longitude: -123.61325
WA state plane south (NAD 27, feet)
East: 1,229,328
North: 765,596

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0318
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles northwest of the FS 2294.100/2294 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 8.66
OHW (m): 4.78
Max Depth (m): 0.52

CHANNEL DESCRIPTION

Toe Width (m): 0.66
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: CAL
Span (m): 0.61
Rise (m): 0.62
Length (m): 12.03
Slope (%): 0.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Site backwatered by downstream beaver pond, level B not applicable. Culvert appears to function adequately



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0155

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.100
County: Grays Harbor
1/4 Section: SE
Section: 18
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39199
Longitude: -123.61463
WA state plane south (NAD 27, feet)
East: 1,229,003
North: 766,039

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0318
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles northwest of the FS 2294.100/2294 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.10
OHW (m): 6.73
Max Depth (m): 1.10

CHANNEL DESCRIPTION

Toe Width (m): 1.46
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): 1.39
Rise (m): 1.36
Length (m): 15.40
Slope (%): 2.40
Bed Material: No
Outfall Drop (m): 1.92
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0156

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.130
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40083
Longitude: -123.62358
WA state plane south (NAD 27, feet)
East: 1,226,917
North: 769,351

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles north of the FS 2294.130/ 2294.100 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.44
OHW (m): 1.55
Max Depth (m): 0.33

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): 14.03
Slope (%): 12.20
Bed Material: No
Outfall Drop (m): 0.07
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Series of cascades downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0157

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.130
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40334
Longitude: -123.62412
WA state plane south (NAD 27, feet)
East: 1,226,819
North: 770,269

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles north of the FS 2294.130/2294.100 junction.

Site Comments:

Gradient is 29%, gradient 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.24
OHW (m): 4.56
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.34
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): 1.40
Rise (m): 1.36
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.87
WDIC (m): 0.07
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0158

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.130
County: Grays Harbor
1/4 Section: SE
Section: 7
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40878
Longitude: -123.61746
WA state plane south (NAD 27, feet)
East: 1,228,546
North: 772,189

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Scatter Cr 22.0320
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles north of the FS 2294.130/2294.100 junction.

Site Comments:

Gradient 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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):
WDIC (m):
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0159

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.100
County: Grays Harbor
1/4 Section: SE
Section: 18
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39311
Longitude: -123.61953
WA state plane south (NAD 27, feet)
East: 1,227,808
North: 766,496

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0318
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles southwest of the FS 2294.100/2294.130 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.30
OHW (m): 2.09
Max Depth (m): 0.36

CHANNEL DESCRIPTION

Toe Width (m): 0.72
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: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m): 9.49
Slope (%): 2.20
Bed Material: No
Outfall Drop (m): 0.00
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:

127Y0160

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294.100
County:	Grays Harbor
1/4 Section:	SE
Section:	18
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39230
Longitude:	-123.62025
WA state plane south (NAD 27, feet)	
East:	1,227,616
North:	766,210

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0318
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the FS 2294.100/2294.130 junction.

Site Comments:

OHW = 0.65 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:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.33
OHW (m)	2.51
Max Depth (m)	0.36

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)	0.62
Length (m)	12.07
Slope (%)	3.70
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0161

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294.100
County:	Grays Harbor
1/4 Section:	SE
Section:	18
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39189
Longitude:	-123.62049
WA state plane south (NAD 27, feet)	
East:	1,227,552
North:	766,063

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0318
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.2 miles southwest of the FS 2294.100/2294.130 junction.

Site Comments:

Wetland habitat upstream and downstream.
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:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	1.80
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.55
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	PCC
Span (m)	0.56
Rise (m)	0.56
Length (m)	9.20
Slope (%)	0.60
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.17
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Level B not applicable due to wetland/backwatering downstream. Fallen tree over downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0162

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.100
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38313
Longitude: -123.62600
WA state plane south (NAD 27, feet)
East: 1,226,061
North: 762,921

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles south of the FS 2294.100/2294.110 junction.

Site Comments:

Perennials growing 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.37
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): 0.63
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:

127Y0163

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.150
County: Grays Harbor
1/4 Section: NW
Section: 19
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38233
Longitude: -123.62714
WA state plane south (NAD 27, feet)
East: 1,225,767
North: 762,641

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 80 meters north of the FS 2294.150/2294.100 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.13
OHW (m): 2.75
Max Depth (m): 0.34

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 0.96

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PVC
Span (m): 0.90
Rise (m): 0.90
Length (m): 11.82
Slope (%): 2.80
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0163

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.63
Length (m)	10.87
Slope (%)	5.60
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0164

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2294.150
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.38263
Longitude:	-123.62730
WA state plane south (NAD 27, feet)	
East:	1,225,733
North:	762,752

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 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters north of the FS 2294.100/2294.150 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:	US Forest Service
Type:	Federal

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	3.90
Max Depth (m)	1.18

CHANNEL DESCRIPTION

Toe Width (m)	0.97
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)	0.92
Rise (m)	0.93
Length (m)	11.89
Slope (%)	6.80
Bed Material	No
Outfall Drop (m)	0.44
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:

127Y0165

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.150
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39169
Longitude: -123.63630
WA state plane south (NAD 27, feet)
East: 1,223,636
North: 766,142

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of the FS 2294.150/2294.100 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.79
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:

Sheet flow in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0166

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.150
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39196
Longitude: -123.63673
WA state plane south (NAD 27, feet)
East: 1,223,534
North: 766,246

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles northwest of the FS 2294.150/2294.155 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.24
OHW (m): 2.62
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.81
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): 0.88
Rise (m): 0.94
Length (m): 11.85
Slope (%): 3.20
Bed Material: No
Outfall Drop (m): 0.87
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:

127Y0167

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.150
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39538
Longitude: -123.64043
WA state plane south (NAD 27, feet)
East: 1,222,667
North: 767,528

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.1 miles north of the FS 2294.150/2294.100 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: 6/1/2004
Field Crew: Blatt/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.50
OHW (m): 3.00
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 2.29
Span/Toe Ratio: 0.20

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m): 11.76
Slope (%): 11.70
Bed Material: No
Outfall Drop (m): 1.51
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Debris jam at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0168

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.150
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39745
Longitude: -123.64236
WA state plane south (NAD 27, feet)
East: 1,222,219
North: 768,302

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.4 miles northwest of the FS 2294.150/2294.100 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: 6/2/2004
Field Crew: Haque/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): 1.10
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): 1.21
Rise (m): 1.23
Length (m): 23.31
Slope (%): 8.10
Bed Material: No
Outfall Drop (m): 0.85
WDIC (m): 0.05
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

No plunge pool, outfall drop is onto pile of boulders.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0169

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.150
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39997
Longitude: -123.64695
WA state plane south (NAD 27, feet)
East: 1,221,120
North: 769,268

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.65 miles northwest of the FS 2294.150/2294.100 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: 6/2/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.37
OHW (m): 3.60
Max Depth (m): 0.28

CHANNEL DESCRIPTION

Toe Width (m): 1.40
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): 1.22
Rise (m): 1.22
Length (m): 24.52
Slope (%): 10.70
Bed Material: No
Outfall Drop (m): 2.48
WDIC (m): 0.04
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0170

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.150
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40100
Longitude: -123.64864
WA state plane south (NAD 27, feet)
East: 1,220,716
North: 769,658

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.8 miles northwest of the FS 2294.150/2294.100 junction.

Site Comments:

Gradient 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: 6/2/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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):
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0171

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SE
Section: 24
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37831
Longitude: -123.63493
WA state plane south (NAD 27, feet)
East: 1,223,781
North: 761,255

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles north of the FS 2294/22 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: 6/2/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 9.15
OHW (m): 7.10
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 0.95
Span/Toe Ratio: 0.99

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.94
Rise (m): 0.94
Length (m): 23.13
Slope (%): 5.80
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.06
Apron: No
Fill Depth (m): 5.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0172

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38366
Longitude: -123.63573
WA state plane south (NAD 27, feet)
East: 1,223,661
North: 763,210

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles north of the FS 2294/22 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: 6/2/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.37
OHW (m): 2.74
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 1.00
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): 0.77
Rise (m): 0.77
Length (m): 12.25
Slope (%): 3.40
Bed Material: No
Outfall Drop (m): 1.56
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:

127Y0173

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38767
Longitude: -123.64003
WA state plane south (NAD 27, feet)
East: 1,222,653
North: 764,715

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of the FS 2294/22 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: 6/2/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.20
OHW (m): 1.40
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.50
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): 0.93
Rise (m): 0.93
Length (m): 12.24
Slope (%): 4.10
Bed Material: No
Outfall Drop (m): 0.65
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:

127Y0174

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38804
Longitude: -123.64065
WA state plane south (NAD 27, feet)
East: 1,222,505
North: 764,856

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of the FS 2294/22 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: 6/2/2004
Field Crew: Haque/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): 1.55
Span/Toe Ratio: 0.94

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.45
Rise (m): 0.97
Length (m): 16.25
Slope (%): -2.10
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No plunge pool, cascade at outfall drop.
Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0175

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39128
Longitude: -123.64407
WA state plane south (NAD 27, feet)
East: 1,221,707
North: 766,069

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.4 miles north of the FS 2294/22 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/2/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.50
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 0.40
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0176

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39182
Longitude: -123.64453
WA state plane south (NAD 27, feet)
East: 1,221,600
North: 766,274

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles north of the FS 2294/22 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: 6/2/2004
Field Crew: Haque/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):
Span/Toe Ratio:

POTENTIAL 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): 0.60
Length (m): 12.08
Slope (%): 5.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No outfall drop or plunge pool measurements, riffles immediately downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0177

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39253
Longitude: -123.64570
WA state plane south (NAD 27, feet)
East: 1,221,322
North: 766,542

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.5 miles north of the FS 2294/22 junction.

Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat.

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: 6/2/2004
Field Crew: Haque/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): 0.83
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:

Big Creek confluence approximately 50 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0178

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.220
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35459
Longitude: -123.63305
WA state plane south (NAD 27, feet)
East: 1,223,903
North: 752,588

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Anderson Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0309
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles south of the FS 2200.220/22 junction.

Site Comments:

Wet crossing.

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:

127Y0179

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35504
Longitude: -123.63568
WA state plane south (NAD 27, feet)
East: 1,223,259
North: 752,781

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 150 meters west of FS 2200.220 Anderson Creek wet crossing, on unnamed spur road.

Site Comments:

Wet crossing.

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:
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:

127Y0180

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39792
Longitude: -123.65057
WA state plane south (NAD 27, feet)
East: 1,220,194
North: 768,557

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.0 miles northwest of the FS 2294/22 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

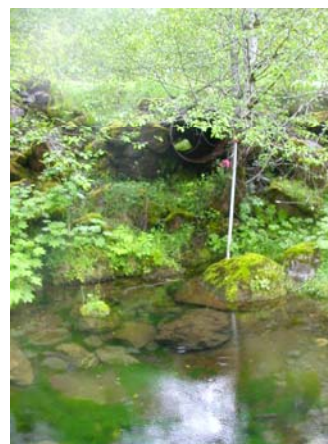
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.17
Rise (m): 1.21
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Upstream of channel stream system is dry, many small tributaries feeding into system all smaller than 0.5 meters. Main channel OHW = 0.5 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0181

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40547
Longitude: -123.65800
WA state plane south (NAD 27, feet)
East: 1,218,466
North: 771,382

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles north of FS 2294/2281 junction.

Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat.

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: 6/3/2004
Field Crew: Haque/Schuetzler/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): 1.18
Rise (m): 1.23
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Downstream end of culvert has angled extension.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0182

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40883
Longitude: -123.65645
WA state plane south (NAD 27, feet)
East: 1,218,898
North: 772,588

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles north of the FS 2294/2281 junction.

Site Comments:

Gradient 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Angled extension on downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0183

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41040
Longitude: -123.65545
WA state plane south (NAD 27, feet)
East: 1,219,168
North: 773,153

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles north of the FS 2294/2281 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0184

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41205
Longitude: -123.65473
WA state plane south (NAD 27, feet)
East: 1,219,371
North: 773,748

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.6 miles north of the FS 2294/2281 junction.

Site Comments:

Confluence with Big Creek 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.13
OHW (m): 7.44
Max Depth (m): 1.21

CHANNEL DESCRIPTION

Toe Width (m): 2.73
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): 2.37
Rise (m): 2.41
Length (m): 20.06
Slope (%): 7.00
Bed Material: No
Outfall Drop (m): 0.67
WDIC (m): 0.09
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Culvert is beveled on both ends.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0185

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41358
Longitude: -123.65160
WA state plane south (NAD 27, feet)
East: 1,220,168
North: 774,273

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of FS 2294/2281 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.30
OHW (m): 1.20
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): 0.62
Rise (m): 0.60
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:

127Y0186

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41516
Longitude: -123.64644
WA state plane south (NAD 27, feet)
East: 1,221,468
North: 774,798

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.10 miles north of FS2294/2281 junction.

Site Comments:

OHW = 1.90 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 4.50
OHW (m): 3.00
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.59
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): 1.19
Rise (m): 1.20
Length (m): 30.83
Slope (%): 11.00
Bed Material: No
Outfall Drop (m): 0.71
WDIC (m): 0.00
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0187

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41730
Longitude: -123.64259
WA state plane south (NAD 27, feet)
East: 1,222,450
North: 775,539

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0317
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.30 miles north of FS2294/2281 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 8.15
OHW (m): 5.78
Max Depth (m): 1.50

CHANNEL DESCRIPTION

Toe Width (m): 2.19
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): 1.69
Rise (m): 1.88
Length (m): 26.13
Slope (%): 9.80
Bed Material: No
Outfall Drop (m): 0.63
WDIC (m): 0.07
Apron: No
Fill Depth (m): 8.50
Tidegate: No

Culvert Comments:

OHW = 2.6 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0188

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42931
Longitude: -123.64699
WA state plane south (NAD 27, feet)
East: 1,221,536
North: 779,960

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles north of the FS 2294/2294.600 junction.

Site Comments:

Natural point barrier 5 meters 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m) 1.25
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): 0.74
Rise (m): 0.72
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 1.90
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:

127Y0189

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.42986
Longitude: -123.64752
WA state plane south (NAD 27, feet)
East: 1,221,415
North: 780,168

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the FS 2294/2294.600 junction.

Site Comments:

OHW = 0.4 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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):
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:

127Y0190

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.580
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43174
Longitude: -123.64844
WA state plane south (NAD 27, feet)
East: 1,221,213
North: 780,862

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles north of the FS 2294.580/2294 junction.

Site Comments:

Natural point barrier immediately 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: 6/3/2004
Field Crew: Haque/Schuetzler/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: PCC
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):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0191

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294.580
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43375
Longitude: -123.64983
WA state plane south (NAD 27, feet)
East: 1,220,900
North: 781,607

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of FS2294.580/2294 junction.

Site Comments:

Natural point barriers 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.89
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
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:

127Y0192

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43046
Longitude: -123.64606
WA state plane south (NAD 27, feet)
East: 1,221,785
North: 780,369

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of FS2294/2294.580 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: 6/3/2004
Field Crew: Haque/Schuetzler/Lutz
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.60
OHW (m): 1.20
Max Depth (m): 0.20

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): 0.45
Length (m): 14.17
Slope (%): 11.50
Bed Material: No
Outfall Drop (m): 0.90
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Broken off section of pipe resting in plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0193

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-1800
County: Grays Harbor
1/4 Section: SW
Section: 9
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05535
Longitude: -123.68170
WA state plane south (NAD 27, feet)
East: 1,207,451
North: 644,015

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0286
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles southwest of B1800/B1810 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2004
Field Crew: Haque/Lutz
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): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: Unk
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Downstream end has plastic sleeve attached.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0194

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-400
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01656
Longitude: -123.67030
WA state plane south (NAD 27, feet)
East: 1,209,723
North: 629,767

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Caldwell Cr 22.0280
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the B-400/B-490 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.00
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0195

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-400
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01613
Longitude: -123.66761
WA state plane south (NAD 27, feet)
East: 1,210,388
North: 629,583

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Caldwell Cr 22.0280
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.15 miles east of the B-400/B-490 junction.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.80
OHW (m): 1.80
Max Depth (m): 0.28

CHANNEL DESCRIPTION

Toe Width (m): 1.05
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): 1.17
Rise (m): 1.23
Length (m): 12.41
Slope (%): 1.80
Bed Material: No
Outfall Drop (m): 0.00
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:

127Y0196

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 23
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.02528
Longitude: -123.64797
WA state plane south (NAD 27, feet)
East: 1,215,416
North: 632,720

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles northwest of Black Creek Rd/B-Line 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/4/2000
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.75
OHW (m): 0.85
Max Depth (m): 0.20

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: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.50
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0197

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1000
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05842
Longitude: -123.63229
WA state plane south (NAD 27, feet)
East: 1,219,803
North: 644,641

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0275
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1 mile east of the A-1100/A-line 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/8/2004
Field Crew: Haque/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: 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): 0.61
Rise (m): 0.52
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.24
WDIC (m): 0.01
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Series of cascades downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0198

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1000
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06753
Longitude: -123.62010
WA state plane south (NAD 27, feet)
East: 1,222,971
North: 647,840

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0278
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters east of the A-1000/A-1050 junction.

Site Comments:

OHW = 0.8 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/8/2004
Field Crew: Haque/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): 0.50
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): 0.45
Rise (m): 0.43
Length (m): 30.35
Slope (%): 7.35
Bed Material: No
Outfall Drop (m): 2.60
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Rubber sleeve attached to downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0199

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	A-1060
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06871
Longitude:	-123.61348
WA state plane south (NAD 27, feet)	
East:	1,224,635
North:	648,207

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:	Black Cr 22.0268
WRIA:	22.0278
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.2 miles northeast of the A-1000/A-1060 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:	Weyerhaeuser Company
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/8/2004
Field Crew:	Haque/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)	1.62
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)	0.61
Rise (m)	0.61
Length (m)	14.77
Slope (%)	1.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.07
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

No plunge pool. Upstream end of culvert segment broken off.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0200

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07711
Longitude: -123.59792
WA state plane south (NAD 27, feet)
East: 1,228,630
North: 651,115

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0278
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles east of the A-1000/C-line junction.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.15
OHW (m): 2.11
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 1.16
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): 0.61
Rise (m): 0.61
Length (m): 21.97
Slope (%): 9.30
Bed Material: No
Outfall Drop (m): 0.25
WDIC (m): 0.05
Apron: No
Fill Depth (m): 7.50
Tidegate: No

Culvert Comments:

Bottom of culvert rusted out at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0201

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07670
Longitude: -123.59570
WA state plane south (NAD 27, feet)
East: 1,229,176
North: 650,943

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0278
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles east of the A-1000/C-line junction.

Site Comments:

OHW = 0.65 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.40
OHW (m): 0.90
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.40
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: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m): 20.27
Slope (%): 4.10
Bed Material: No
Outfall Drop (m): 0.47
WDIC (m): 0.00
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Series of cascades immediately downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0202

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NE
Section: 5
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07592
Longitude: -123.59351
WA state plane south (NAD 27, feet)
East: 1,229,710
North: 650,640

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0278
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles east of the A-1000/C-line 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/8/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.49
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:

127Y0203

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07597
Longitude: -123.59165
WA state plane south (NAD 27, feet)
East: 1,230,174
North: 650,640

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0278
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.4 miles east of the C-line/A-1000 junction.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.10
OHW (m): 0.25
Max Depth (m): 1.40

CHANNEL DESCRIPTION

Toe Width (m): 1.18
Span/Toe Ratio: 1.01

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): 1.20
Length (m): 25.15
Slope (%): 10.80
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.04
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Concrete blocks directly below culvert to reduce scour. Beaver pond upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0204

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07564
Longitude: -123.58908
WA state plane south (NAD 27, feet)
East: 1,230,809
North: 650,495

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0268
WRIA: 22.0278
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles east of the C-Line/A-1000 junction.

Site Comments:

OHW = 0.4 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/8/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

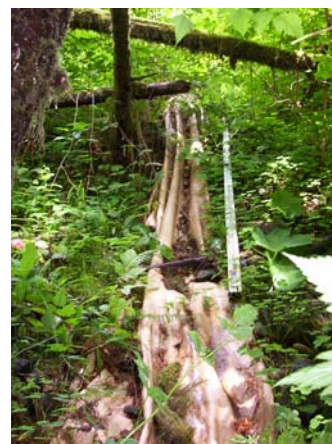
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

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): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Rubber sleeve attached to downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0205

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	X-400
County:	Grays Harbor
1/4 Section:	SW
Section:	17
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.03893
Longitude:	-123.58507
WA state plane south (NAD 27, feet)	
East:	1,231,285
North:	637,074

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Black Cr 22.0268
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.95 miles west of the X-400/X-Line junction.

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	7.04
OHW (m)	2.77
Max Depth (m)	0.49

CHANNEL DESCRIPTION

Toe Width (m)	1.73
Span/Toe Ratio	0.83

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)	0.94
Length (m)	24.61
Slope (%)	0.20
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Upstream end of culvert is beveled. OHW = 1.9 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0206

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	X-line
County:	Grays Harbor
1/4 Section:	NE
Section:	20
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.03502
Longitude:	-123.57563
WA state plane south (NAD 27, feet)	
East:	1,233,581
North:	635,559

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:	Black Cr 22.0268
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.7 miles southwest of the X-Line/X-400 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:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/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)	0.86
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)	0.60
Rise (m)	0.60
Length (m)	27.52
Slope (%)	17.00
Bed Material	No
Outfall Drop (m)	0.56
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Outfall onto rip rap, no plunge pool. OHW = 0.9 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0207

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7812
County: Grays Harbor
1/4 Section: NE
Section: 31
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26759
Longitude: -123.61755
WA state plane south (NAD 27, feet)
East: 1,226,488
North: 720,728

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters east of the 7811/7812 junction.

Site Comments:

Poorly 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/22/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.44
Rise (m): 0.44
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.26
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:

127Y0208

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7810
County: Grays Harbor
1/4 Section: SE
Section: 31
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25932
Longitude: -123.61284
WA state plane south (NAD 27, feet)
East: 1,227,536
North: 717,667

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr. 22.0294
WRIA: 22.0298
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.1 miles north of the 7810/7811 junction.

Site Comments:

OHW = 6.2 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: 6/22/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 17.20
OHW (m): 13.25
Max Depth (m): 2.90

CHANNEL DESCRIPTION

Toe Width (m): 6.18
Span/Toe Ratio: 0.20

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 1.21
Rise (m): 1.21
Length (m): 34.64
Slope (%): 3.10
Bed Material: No
Outfall Drop (m): 0.94
WDIC (m): 0.13
Apron: DS
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:

Apron severely eroded, no longer effective.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0209

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7810
County:	Grays Harbor
1/4 Section:	SE
Section:	30
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.27359
Longitude:	-123.61657
WA state plane south (NAD 27, feet)	
East:	1,226,816
North:	722,906

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:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.40 miles east of the FS 22/7810 junction.

Site Comments:

OHW = 1.85 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 type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.03
OHW (m)	1.72
Max Depth (m)	0.34

CHANNEL DESCRIPTION

Toe Width (m)	1.51
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)	0.89
Length (m)	12.37
Slope (%)	0.27
Bed Material	No
Outfall Drop (m)	0.00
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:

127Y0210

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7810
County: Grays Harbor
1/4 Section: SE
Section: 30
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27840
Longitude: -123.61335
WA state plane south (NAD 27, feet)
East: 1,227,686
North: 724,626

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.8 miles east of the FS 22/7810 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: 6/22/2004
Field Crew: Haque/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): 1.65
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): 1.45
Rise (m): 1.45
Length (m): 18.13
Slope (%): -0.10
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.22
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Observed fish in stream, unable to ID. No plunge pool, water flows directly into riffle. Culvert sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0211

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7840
County:	Grays Harbor
1/4 Section:	NE
Section:	30
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.28606
Longitude:	-123.62017
WA state plane south (NAD 27, feet)	
East:	1,226,105
North:	727,487

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:	Neil Cr
Tributary To:	Schafer Cr 22.0294
WRIA:	22.0297
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.25 miles north of the 7840/7844 junction.

Site Comments:

Juvenile coho observed upstream of culvert, beaver 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/22/2004
Field Crew:	Haque/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	PCC
Span (m)	1.22
Rise (m)	1.22
Length (m)	10.78
Slope (%)	2.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.84
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No toe or plunge pool measurements due to beaver ponds upstream and downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0212

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600 T
County: Grays Harbor
1/4 Section: NE
Section: 19
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29952
Longitude: -123.62226
WA state plane south (NAD 27, feet)
East: 1,225,780
North: 732,411

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles south of the 600-west/600T junction.

Site Comments:

OHW = 2.1 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: 6/22/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.75
OHW (m): 5.90
Max Depth (m): 1.23

CHANNEL DESCRIPTION

Toe Width (m): 1.62
Span/Toe Ratio: 0.56

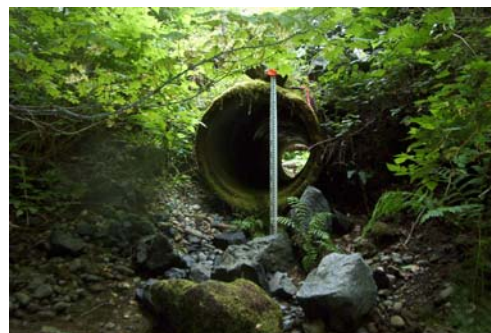
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.91
Rise (m): 0.91
Length (m): 9.49
Slope (%): 1.30
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.12
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0213

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600 T
County: Grays Harbor
1/4 Section: NE
Section: 19
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29602
Longitude: -123.62163
WA state plane south (NAD 27, feet)
East: 1,225,886
North: 731,130

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.1 miles south of the 600-west/600T junction.

Site Comments:

OHW = 1.2 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: 6/22/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 7.20
OHW (m): 4.57
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.75
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): 8.84
Slope (%): 2.30
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:

127Y0214

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: SW
Section: 7
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31754
Longitude: -123.63185
WA state plane south (NAD 27, feet)
East: 1,223,664
North: 739,076

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Save Cr 22.0303
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of the FS 22/O600 junction.

Site Comments:

OHW = 2.1 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: 6/22/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 6.05
OHW (m): 3.86
Max Depth (m): 0.43

CHANNEL DESCRIPTION

Toe Width (m): 1.40
Span/Toe Ratio: 1.06

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.49
Rise (m): 1.50
Length (m): 12.45
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0215

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.100
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41189
Longitude: -123.66588
WA state plane south (NAD 27, feet)
East: 1,216,609
North: 773,798

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: MF Big Cr
Tributary To: WF Big Cr 22.0313
WRIA: 22.0314
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.4 miles northwest of the FS 2281.100/2281 junction.

Site Comments:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 18.20
OHW (m): 5.86
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 2.70
Span/Toe Ratio: 0.55

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 4.93
Rise (m): 2.54
Length (m): 17.47
Slope (%): 3.62
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.12
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert is beveled both ends.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0216

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.100
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41518
Longitude: -123.66463
WA state plane south (NAD 27, feet)
East: 1,216,968
North: 774,986

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Big Cr 22.0314
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles south of the FS 2281.100/2281.150 junction.

Site Comments:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big Creek. OHW = 1.0 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.81
OHW (m): 1.70
Max Depth (m): 0.28

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): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:

Measurements and photo taken at upstream end. Level A not completed due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0217

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.100
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41574
Longitude: -123.66422
WA state plane south (NAD 27, feet)
East: 1,217,077
North: 775,186

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Big Cr 22.0314
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 75 meters southwest of the FS 2281.100/2281.150 junction.

Site Comments:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big Creek. OHW = 3.1 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.70
OHW (m): 5.94
Max Depth (m): 1.35

CHANNEL DESCRIPTION

Toe Width (m): 2.00
Span/Toe Ratio:

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): 12.60
Slope (%): 7.10
Bed Material: No
Outfall Drop (m): 0.85
WDIC (m): 0.09
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0218

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.100
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41621
Longitude: -123.66353
WA state plane south (NAD 27, feet)
East: 1,217,255
North: 775,351

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: MF Big Cr
Tributary To: WF Big Cr 22.0313
WRIA: 22.0314
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located on western side of the FS 2281.100/2281.150 junction.

Site Comments:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big Creek. OHW = 3.25 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 9.20
OHW (m): 6.97
Max Depth (m): 1.20

CHANNEL DESCRIPTION

Toe Width (m): 2.25
Span/Toe Ratio: 0.51

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 3.26
Rise (m): 2.13
Length (m): 13.77
Slope (%): 7.00
Bed Material: No
Outfall Drop (m): 0.40
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:

127Y0219

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.150
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41621
Longitude: -123.66335
WA state plane south (NAD 27, feet)
East: 1,217,300
North: 775,349

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Big Cr 22.0314
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located on the east side of the FS 2281.150/2281.100 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:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big Creek. OHW = 1.1 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.82
OHW (m): 2.20
Max Depth (m): 0.28

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: PCC
Span (m): 0.63
Rise (m): 0.63
Length (m): 16.19
Slope (%): 4.80
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Confluence with main stem MF Big Creek 15 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0220

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.150
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41576
Longitude: -123.66303
WA state plane south (NAD 27, feet)
East: 1,217,371
North: 775,182

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Big Cr 22.0314
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters southeast of the FS 2281.150/2281.100 junction.

Site Comments:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big Creek. 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.30
OHW (m): 1.80
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio:

POTENTIAL 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): 0.18
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Photo taken at upstream end. Level A not completed due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0221

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.150
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41468
Longitude: -123.66341
WA state plane south (NAD 27, feet)
East: 1,217,263
North: 774,790

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Big Cr 22.0314
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles southeast of the FS 2281.150/2281.100 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 5.00
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Angled extension attached to downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0222

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40593
Longitude: -123.66209
WA state plane south (NAD 27, feet)
East: 1,217,460
North: 771,587

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: MF Big Cr
Tributary To: WF Big Cr 22.0313
WRIA: 22.0314
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located at the FS 2281/2281.100 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: NG
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 10.90
OHW (m): 7.10
Max Depth (m): 1.15

CHANNEL DESCRIPTION

Toe Width (m): 7.50
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): 3.27
Rise (m): 3.29
Length (m): 17.98
Slope (%): 2.20
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.12
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Natural point barrier 40 meters upstream. WF and MF Big Creek confluence immediately downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0223

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40239
Longitude: -123.67101
WA state plane south (NAD 27, feet)
East: 1,215,201
North: 770,387

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: WF Big Cr
Tributary To: Big Cr 22.0312
WRIA: 22.0313
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.5 miles west of the FS 2281/2281.100 junction.

Site Comments:

OHW = 3.8 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.40
OHW (m): 4.58
Max Depth (m): 1.00

CHANNEL DESCRIPTION

Toe Width (m): 2.20
Span/Toe Ratio: 1.81

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.3
Shape: RND
Material: CST
Span (m): 1.83
Rise (m): 1.83
Length (m): 15.31
Slope (%): 2.00
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.15
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Pipe 1.2 is on left bank.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0223

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.3
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.25
Length (m)	13.57
Slope (%)	2.55
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Pipe 2.3 is center culvert.

CULVERT DESCRIPTION

Sequencer:	3.3
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.25
Length (m)	13.57
Slope (%)	2.55
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Pipe 3.3 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0224

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39812
Longitude: -123.67737
WA state plane south (NAD 27, feet)
East: 1,213,564
North: 768,896

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Big Cr 22.0313
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile west of the FS 2281/2281.100 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 2.30
Span/Toe Ratio: 0.78

POTENTIAL HABITAT GAIN

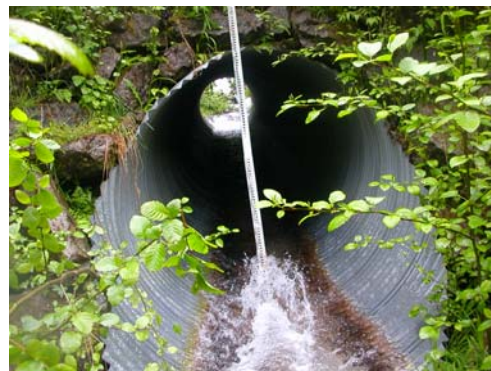
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.79
Rise (m): 1.79
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.08
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0225

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39812
Longitude: -123.67762
WA state plane south (NAD 27, feet)
East: 1,213,503
North: 768,898

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Big Cr 22.0313
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 miles west of the FS 2281/2281.100 junction.

Site Comments:

Gradient barrier upstream and downstream.
OHW = 2.1 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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): 1.45
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:

127Y0226

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 2281.180
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39837
Longitude: -123.67941
WA state plane south (NAD 27, feet)
East: 1,213,065
North: 769,004

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Big Cr 22.0313
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the FS 2281.180/2281 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: 6/29/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.80
Rise (m): 0.78
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 8.50
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0227

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281.180
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39797
Longitude: -123.67965
WA state plane south (NAD 27, feet)
East: 1,212,999
North: 768,864

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Big Cr 22.0313
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles south of the FS 2281.180/2281 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: 6/28/2004
Field Crew: Haque/Lutz
Barrier:
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: 0.91

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.73
Rise (m): 0.78
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
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:

127Y0228

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.300
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37351
Longitude: -123.65136
WA state plane south (NAD 27, feet)
East: 1,219,644
North: 759,665

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles north of the FS 2200.300/2200.301 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: 7/7/2004
Field Crew: Haque/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): 1.00
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): 1.23
Rise (m): 1.23
Length (m): 18.31
Slope (%): 17.30
Bed Material: No
Outfall Drop (m): 0.18
WDIC (m): 0.00
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Culvert recently replaced with downstream log controls.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0229

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.36742
Longitude:	-123.64604
WA state plane south (NAD 27, feet)	
East:	1,220,873
North:	757,395

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.3 miles north of the FS 2200/2200.410 intersection.

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:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	6.69
OHW (m)	3.05
Max Depth (m)	1.28

CHANNEL DESCRIPTION

Toe Width (m)	0.97
Span/Toe Ratio	1.57

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.52
Rise (m)	1.52
Length (m)	15.43
Slope (%)	1.40
Bed Material	No
Outfall Drop (m)	0.55
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:

127Y0230

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36470
Longitude: -123.65985
WA state plane south (NAD 27, feet)
East: 1,217,413
North: 756,539

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Harris Cr 22.0308
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the FS 22/2200.300 junction.

Site Comments:

OHW = 1.3 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: 7/7/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 1.40
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.10
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): 0.90
Rise (m): 0.90
Length (m): 15.19
Slope (%): 4.60
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

Culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0231

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36619
Longitude: -123.66435
WA state plane south (NAD 27, feet)
East: 1,216,320
North: 757,127

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Harris Cr 22.0308
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters east of the FS 22/2200.340 junction.

Site Comments:

OHW = 1.1 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: 7/7/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.80
OHW (m): 1.60
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.90
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): 0.60
Length (m): 17.90
Slope (%): 9.10
Bed Material: No
Outfall Drop (m): 0.00
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:

127Y0232

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36582
Longitude: -123.66546
WA state plane south (NAD 27, feet)
East: 1,216,040
North: 757,003

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Harris Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0308
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located at the FS 22/2200.340 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: 7/7/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 13.70
OHW (m): 18.40
Max Depth (m): 2.00

CHANNEL DESCRIPTION

Toe Width (m): 3.75
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: CST
Span (m): 3.10
Rise (m): 3.10
Length (m): 35.87
Slope (%): 1.20
Bed Material: No
Outfall Drop (m): 4.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Downstream end of culvert rusted out on bottom. Concrete retaining wall around culvert at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0233

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.340
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36748
Longitude: -123.66788
WA state plane south (NAD 27, feet)
East: 1,215,466
North: 757,631

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Harris Cr 22.0308
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the FS 2200.340/22 junction.

Site Comments:

Gradient barrier, Harris Creek confluence 25 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: 7/7/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.70
OHW (m): 0.90
Max Depth (m): 0.20

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):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.10
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0234

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.340
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36863
Longitude: -123.66947
WA state plane south (NAD 27, feet)
East: 1,215,087
North: 758,068

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Harris Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0308
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.3 miles north of the FS 2200.340/22 junction.

Site Comments:

OHW = 8.2 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: 7/7/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 18.30
OHW (m): 11.80
Max Depth (m): 2.00

CHANNEL DESCRIPTION

Toe Width (m): 5.50
Span/Toe Ratio: 0.83

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 4.56
Rise (m): 2.75
Length (m): 27.24
Slope (%): 2.00
Bed Material: No
Outfall Drop (m): 0.31
WDIC (m): 0.12
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0235

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.340
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37153
Longitude: -123.67132
WA state plane south (NAD 27, feet)
East: 1,214,672
North: 759,142

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Harris Cr 22.0308
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.5 miles north of the FS 2200.340/22 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: 7/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.69
OHW (m): 2.59
Max Depth (m): 0.51

CHANNEL DESCRIPTION

Toe Width (m): 1.43
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): 0.90
Rise (m): 0.90
Length (m): 9.21
Slope (%): 4.90
Bed Material: No
Outfall Drop (m): 0.28
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

High gradient upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0236

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.340
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37304
Longitude: -123.67269
WA state plane south (NAD 27, feet)
East: 1,214,355
North: 759,705

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Harris Cr 22.0308
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.6 miles north of the FS 2200.340/22 junction.

Site Comments:

OHW = 1.9 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: 7/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.90
OHW (m): 3.46
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.62
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): 1.20
Rise (m): 1.20
Length (m): 12.39
Slope (%): 3.60
Bed Material: No
Outfall Drop (m): 0.75
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Large bee's nest on downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0237

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.340
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37353
Longitude: -123.67335
WA state plane south (NAD 27, feet)
East: 1,214,199
North: 759,891

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Harris Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0308
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.7 miles north of the FS 2200.340/22 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: 7/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 12.75
OHW (m): 8.78
Max Depth (m): 1.43

CHANNEL DESCRIPTION

Toe Width (m): 5.73
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): 3.48
Rise (m): 2.14
Length (m): 27.19
Slope (%): 3.20
Bed Material: No
Outfall Drop (m): 0.37
WDIC (m): 0.06
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0238

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2200.340
County: Grays Harbor
1/4 Section: SE
Section: 22
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37838
Longitude: -123.67661
WA state plane south (NAD 27, feet)
East: 1,213,463
North: 761,693

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Harris Cr 22.0308
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.05 miles north of the FS 2200.340/22 junction.

Site Comments:

OHW = 2.75 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: 7/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.47
OHW (m): 7.13
Max Depth (m): 1.07

CHANNEL DESCRIPTION

Toe Width (m): 2.36
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): 1.04
Rise (m): 1.07
Length (m): 9.69
Slope (%): 3.70
Bed Material: No
Outfall Drop (m): 0.37
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.10
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0239

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 35
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35432
Longitude: -123.66831
WA state plane south (NAD 27, feet)
East: 1,215,165
North: 752,840

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Falls Cr 22.0307
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles south of the FS 22/2200.340 junction.

Site Comments:

OHW = 2.8 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: 7/8/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.85
OHW (m): 4.20
Max Depth (m): 0.56

CHANNEL DESCRIPTION

Toe Width (m): 2.61
Span/Toe Ratio: 0.57

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.74
Rise (m): 0.76
Length (m): 14.21
Slope (%): 5.80
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Pipe 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0239

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	14.10
Slope (%)	5.90
Bed Material	No
Outfall Drop (m)	0.27
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

LWD jam directly downstream of culvert. Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0240

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372.02
County: Grays Harbor
1/4 Section: SE
Section: 21
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38086
Longitude: -123.57307
WA state plane south (NAD 27, feet)
East: 1,239,132
North: 761,580

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Anderson Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0309
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.65 miles north of the FS 2372.02/2372 junction.

Site Comments:

Stream channel has veered around culvert, probable 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: 6/22/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.80
OHW (m): 1.60
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): 0.61
Rise (m): 0.61
Length (m): 12.37
Slope (%): 17.10
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert appears to have failed, water is coming over road during high flows. Downstream end of pipe is bent and has grade break.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0241

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: NE
Section: 32
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09292
Longitude: -123.70107
WA state plane south (NAD 27, feet)
East: 1,203,183
North: 657,903

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles north of Wynoochee Wishkah Rd, on private logging road.

Site Comments:

OHW = 0.4 meters.

SPECIES POTENTIAL

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

OWNER

Name: Cedartone Specialties Inc
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/12/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.45
OHW (m): 2.13
Max Depth (m): 0.29

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: PVC
Span (m): 0.91
Rise (m): 0.93
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0242

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-310 spur
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10050
Longitude: -123.70381
WA state plane south (NAD 27, feet)
East: 1,202,614
North: 660,692

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles south of A-300 on the A-310 spur.

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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.43
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.96
WDIC (m): 0.02
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0243

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-310 spur
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09951
Longitude: -123.70386
WA state plane south (NAD 27, feet)
East: 1,202,587
North: 660,331

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles south of A-300 on the A-310 spur.

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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.78
WDIC (m): 0.01
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Measurements taken at US end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0244

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-310 spur
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09778
Longitude: -123.70334
WA state plane south (NAD 27, feet)
East: 1,202,691
North: 659,697

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of A-300 on the A-310 spur.

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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
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: 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): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 1.08
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Cascades at outfall with no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0245

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-310 spur
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09641
Longitude: -123.70307
WA state plane south (NAD 27, feet)
East: 1,202,738
North: 659,195

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles south of A-300 on the A-310 spur.

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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Measurements and photo taken at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0246

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-300
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10045
Longitude: -123.70240
WA state plane south (NAD 27, feet)
East: 1,202,964
North: 660,659

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.2 miles east of the Upper Donovan A-line/A-300 line junction.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

Length (m): 3.78
OHW (m): 3.14
Max Depth (m): 0.41

CHANNEL DESCRIPTION

Toe Width (m): 0.90
Span/Toe Ratio: 1.68

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.51
Rise (m): 1.16
Length (m): 18.28
Slope (%): 0.33
Bed Material: No
Outfall Drop (m): 0.17
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert beveled upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0247

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12994
Longitude: -123.67167
WA state plane south (NAD 27, feet)
East: 1,211,044
North: 671,098

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Helm Cr 22.0288
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles north of the D-Line/A-600 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.10
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Wetland habitat upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0248

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-2700
County: Grays Harbor
1/4 Section: SW
Section: 15
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13015
Longitude: -123.66300
WA state plane south (NAD 27, feet)
East: 1,213,203
North: 671,087

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of D-line/D-2700 junction.

Site Comments:

OHW = 0.4 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.43
WDIC (m): 0.01
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Wetland vegetation upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0249

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7517
County: Grays Harbor
1/4 Section: SW
Section: 26
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18555
Longitude: -123.64246
WA state plane south (NAD 27, feet)
East: 1,219,117
North: 691,074

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles north of the 7517/7517X junction.

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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.70
OHW (m): 1.25
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 0.67
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): 0.61
Rise (m): 0.62
Length (m): 15.77
Slope (%): 12.20
Bed Material: No
Outfall Drop (m): 0.45
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:

127Y0250

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7517
County: Grays Harbor
1/4 Section: SW
Section: 26
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18799
Longitude: -123.64396
WA state plane south (NAD 27, feet)
East: 1,218,778
North: 691,977

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.7 miles north of the 7517/7517X 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.35
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:

127Y0251

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7517
County:	Grays Harbor
1/4 Section:	NW
Section:	26
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18929
Longitude:	-123.64490
WA state plane south (NAD 27, feet)	
East:	1,218,564
North:	692,463

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of the 7517/7517X junction.

Site Comments:

OHW = 0.55 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:	7/19/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	1.00
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	0.50
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	PVC
Span (m)	0.45
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.90
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Wetland vegetation upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0252

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7517
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19011
Longitude: -123.64400
WA state plane south (NAD 27, feet)
East: 1,218,799
North: 692,750

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles north of the 7517/7517X 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/20/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.05
OHW (m): 1.80
Max Depth (m): 0.31

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.48
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.02
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:

127Y0253

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7517
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19083
Longitude: -123.63405
WA state plane south (NAD 27, feet)
East: 1,221,283
North: 692,915

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles east of the 7517/7517V 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/20/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.45
Rise (m): 0.45
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:

127Y0254

Fish Use: No

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7517
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19183
Longitude: -123.63166
WA state plane south (NAD 27, feet)
East: 1,221,891
North: 693,257

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles northeast of the 7517/7517U 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/20/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method: LA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe 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): 1.00
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Wetland habitat upstream and downstream, no toe width available to complete level A. Culvert appears to be 100% passable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0255

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7517
County:	Grays Harbor
1/4 Section:	SE
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19858
Longitude:	-123.64183
WA state plane south (NAD 27, feet)	
East:	1,219,463
North:	695,815

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters north of the 7517/7517P junction.

Site Comments:

OHW = 1.6 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.35
OHW (m)	1.60
Max Depth (m)	0.45

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)	12.18
Slope (%)	3.10
Bed Material	No
Outfall Drop (m)	2.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0256

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7517
County:	Grays Harbor
1/4 Section:	NW
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20415
Longitude:	-123.64885
WA state plane south (NAD 27, feet)	
East:	1,217,800
North:	697,916

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 100 meters east of the 7517/7517L junction.

Site Comments:

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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.70
OHW (m)	1.95
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	0.90
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)	0.40
Length (m)	12.22
Slope (%)	1.30
Bed Material	No
Outfall Drop (m)	0.35
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:

127Y0257

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7406
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20689
Longitude:	-123.63535
WA state plane south (NAD 27, feet)	
East:	1,221,192
North:	698,781

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.3 miles south of the 7405/7406 junction.

Site Comments:

OHW = 1.1 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:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	2.44
OHW (m)	1.78
Max Depth (m)	0.14

CHANNEL DESCRIPTION

Toe Width (m)	0.62
Span/Toe Ratio	1.48

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.89
Length (m)	15.48
Slope (%)	8.00
Bed Material	No
Outfall Drop (m)	0.45
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:

127Y0258

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7406
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20664
Longitude:	-123.63529
WA state plane south (NAD 27, feet)	
East:	1,221,203
North:	698,689

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.35 miles south of the 7405/7406 junction.

Site Comments:

OHW = 1.05 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.85
OHW (m)	3.05
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.70
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)	1.05
Rise (m)	1.08
Length (m)	18.57
Slope (%)	4.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0259

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7405
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.21166
Longitude:	-123.63603
WA state plane south (NAD 27, feet)	
East:	1,221,092
North:	700,528

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.9 miles east of the A-line/7405 junction.

Site Comments:

OHW = 1.45 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	6.05
OHW (m)	3.50
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	1.10
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)	1.06
Rise (m)	1.06
Length (m)	24.78
Slope (%)	4.90
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.03
Apron	No
Fill Depth (m)	4.50
Tidegate	No

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0260

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22466
Longitude: -123.65059
WA state plane south (NAD 27, feet)
East: 1,217,666
North: 705,409

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.6 miles north of the Upper Donovan A-line/7400 junction.

Site Comments:

OHW = 1.15 meters.

SPECIES POTENTIAL

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

OWNER

Name: Lawrence Corp./J. Lawrence
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/20/2004
Field Crew: Haque/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): 1.00
Span/Toe Ratio: 1.45

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.45
Rise (m): 1.45
Length (m): 18.75
Slope (%): 0.30
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Riffles at downstream end of pipe, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0261

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24052
Longitude: -123.65397
WA state plane south (NAD 27, feet)
East: 1,217,057
North: 711,224

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.5 miles east of the Upper Donovan A-line/7400 junction.

Site Comments:

OHW = 2.6 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: 7/20/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.94
OHW (m): 4.74
Max Depth (m): 0.33

CHANNEL DESCRIPTION

Toe Width (m): 2.05
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): 1.45
Rise (m): 0.95
Length (m): 13.10
Slope (%): 1.70
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Flagging at culvert: "300+50".



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0262

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4210.14
County: Grays Harbor
1/4 Section: NE
Section: 22
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20397
Longitude: -123.65431
WA state plane south (NAD 27, feet)
East: 1,216,440
North: 697,906

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters northeast of the 4210/4210.14 junction.

Site Comments:

OHW = 0.35 meters. Timber puncheon.

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:

127Y0263

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4210
County: Grays Harbor
1/4 Section: SE
Section: 22
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19830
Longitude: -123.65587
WA state plane south (NAD 27, feet)
East: 1,215,971
North: 695,855

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters north of the 4210/4210.2 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: ayonier Timberlands Oprtg C
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/21/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 0.90
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: Unk
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:

127Y0264

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1100
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08557
Longitude: -123.62108
WA state plane south (NAD 27, feet)
East: 1,222,987
North: 654,424

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0277
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.6 miles northeast of the A-1100/A-1000 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/22/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.05
OHW (m): 0.70
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.62
Rise (m): 0.62
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:

127Y0265

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1100
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05789
Longitude: -123.64760
WA state plane south (NAD 27, feet)
East: 1,215,982
North: 644,601

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Bitter Cr 22.0274
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.1 miles northeast of the A-1100/A-1000 junction.

Site Comments:

OHW = 2.6 meters.

SPECIES POTENTIAL

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

OWNER

Name: Mary V. Brumfield
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/22/2004
Field Crew: Haque/Lutz
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 11.50
OHW (m): 3.30
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 2.63

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): 1.45
Length (m): 14.66
Slope (%): 0.39
Bed Material: Yes
Outfall Drop (m): 0.10
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Debris fence around upstream end of culvert.
Culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0266

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7500
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24088
Longitude: -123.66613
WA state plane south (NAD 27, feet)
East: 1,214,045
North: 711,476

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles south of the 7400/7500 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/26/2004
Field Crew: Haque/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): 0.77
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): 0.91
Rise (m): 0.91
Length (m): 29.07
Slope (%): 1.40
Bed Material: No
Outfall Drop (m): 4.00
WDIC (m): 0.01
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Outfall is onto series of cascades, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0267

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7420
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25772
Longitude: -123.67310
WA state plane south (NAD 27, feet)
East: 1,212,563
North: 717,682

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles north of the 7400/7420 intersection.

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: 7/26/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.31
OHW (m): 3.89
Max Depth (m): 0.67

CHANNEL DESCRIPTION

Toe Width (m): 1.23
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: CST
Span (m): 1.02
Rise (m): 1.05
Length (m): 16.14
Slope (%): 5.50
Bed Material: No
Outfall Drop (m): 0.39
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0268

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21203
Longitude: -123.63300
WA state plane south (NAD 27, feet)
East: 1,221,850
North: 700,633

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the 7400/7400a 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: 7/26/2004
Field Crew: Haque/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): 0.41
Rise (m): 0.46
Length (m): 12.44
Slope (%): 0.27
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.19
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Wetlands/beaver ponds upstream and downstream. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0269

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-3000
County: Grays Harbor
1/4 Section: SE
Section: 4
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07290
Longitude: -123.68288
WA state plane south (NAD 27, feet)
East: 1,207,417
North: 650,425

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Unnamed 22.0286
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles east of the B-3000/Wynoochee Valley Rd 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

Length (m): 4.00
OHW (m): 2.20
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m):
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): 14.73
Slope (%): -0.20
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Poorly defined stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0270

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7320
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22440
Longitude: -123.62901
WA state plane south (NAD 27, feet)
East: 1,223,019
North: 705,102

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles northwest of the 7320/7320 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: 7/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.20
OHW (m): 2.70
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 1.05

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.63
Length (m): 8.15
Slope (%): 2.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Pipe 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0270

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	8.26
Slope (%)	3.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0271

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: O-600
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32383
Longitude: -123.63340
WA state plane south (NAD 27, feet)
East: 1,223,371
North: 741,381

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles west of the O600/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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/3/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.06
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:

127Y0272

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: O-600
County: Grays Harbor
1/4 Section: NE
Section: 12
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32435
Longitude: -123.63427
WA state plane south (NAD 27, feet)
East: 1,223,161
North: 741,579

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles west of the O600/FS 22 junction.

Site Comments:

OHW = 0.85 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: 8/3/2004
Field Crew: Haque/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): 0.80
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): 0.74
Rise (m): 0.74
Length (m): 12.41
Slope (%): 4.90
Bed Material: No
Outfall Drop (m): 0.44
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Unable to measure plunge pool due to log at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0273

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2371
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36941
Longitude: -123.57755
WA state plane south (NAD 27, feet)
East: 1,237,859
North: 757,451

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles south of the FS 2371/23 junction.

Site Comments:

Poorly 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: 8/5/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 8.00
OHW (m): 5.67
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): 1.00
Rise (m): 1.15
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:

127Y0274

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40377
Longitude: -123.68326
WA state plane south (NAD 27, feet)
East: 1,212,190
North: 771,013

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: WF Big Cr
Tributary To: Big Cr 22.0312
WRIA: 22.0313
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles north of the FS 2281/2294 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: 8/5/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.50
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): 0.94
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

10+ meter natural point barrier at downstream end of culvert. Road failing on downstream side.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0275

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2281
County:	Grays Harbor
1/4 Section:	SE
Section:	10
Township:	22N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.40340
Longitude:	-123.68179
WA state plane south (NAD 27, feet)	
East:	1,212,549
North:	770,864

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Big Cr 22.0313
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2281/2281.180 junction.

Site Comments:

Gradient barrier upstream and downstream. Natural point barrier at downstream end of pipe. OHW = 1.3 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:	8/5/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.90
OHW (m)	0.40
Max Depth (m)	0.07

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	1.40

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Recently replaced culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0276

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 420
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35229
Longitude: -123.65462
WA state plane south (NAD 27, feet)
East: 1,218,526
North: 751,965

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the 420/400 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: 8/9/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 8.88
OHW (m): 5.35
Max Depth (m): 1.60

CHANNEL DESCRIPTION

Toe Width (m): 2.92
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): 1.44
Rise (m): 1.53
Length (m): 23.74
Slope (%): 0.70
Bed Material: No
Outfall Drop (m): 0.16
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Level B not applicable due to poorly defined downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0277

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 400
County: Grays Harbor
1/4 Section: SE
Section: 35
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34602
Longitude: -123.65984
WA state plane south (NAD 27, feet)
East: 1,217,141
North: 749,731

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.55 miles southeast of the FS 22/2200.400 junction.

Site Comments:

OHW = 2.5 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: 8/9/2004
Field Crew: Haque/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): 1.75
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): 1.52
Rise (m): 1.48
Length (m): 25.00
Slope (%): 0.56
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Riffles at downstream end of culvert, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0278

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 400
County: Grays Harbor
1/4 Section: SW
Section: 35
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34521
Longitude: -123.67045
WA state plane south (NAD 27, feet)
East: 1,214,502
North: 749,541

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Falls Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0307
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.05 miles southeast of the FS 22/2200.400 junction.

Site Comments:

OHW = 3.3 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: 8/9/2004
Field Crew: Haque/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 10.10
OHW (m): 8.46
Max Depth (m): 1.00

CHANNEL DESCRIPTION

Toe Width (m): 2.80
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): 1.37
Rise (m): 1.37
Length (m): 26.59
Slope (%): 0.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0279

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 450
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33444
Longitude: -123.68119
WA state plane south (NAD 27, feet)
East: 1,211,684
North: 745,725

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the 450/451 junction.

Site Comments:

OHW = 1.4 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: 8/10/2004
Field Crew: Haque/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): 1.13
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): 1.33
Rise (m): 1.37
Length (m): 15.34
Slope (%): 3.80
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 of culvert, no outfall or plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0280

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 450
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33186
Longitude: -123.68836
WA state plane south (NAD 27, feet)
East: 1,209,869
North: 744,854

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles west of the 450/451 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.38
OHW (m): 1.23
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.62
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): 1.17
Rise (m): 1.21
Length (m): 23.96
Slope (%): 14.90
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.02
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0281

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 450
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33668
Longitude: -123.69052
WA state plane south (NAD 27, feet)
East: 1,209,405
North: 746,633

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles east of the 450/455 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.85
Rise (m): 0.93
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
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:

127Y0282

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 450
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33829
Longitude: -123.69268
WA state plane south (NAD 27, feet)
East: 1,208,894
North: 747,241

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles northeast of the 450/455 junction.

Site Comments:

OHW = 0.4 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0283

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 457
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33884
Longitude: -123.69176
WA state plane south (NAD 27, feet)
East: 1,209,130
North: 747,432

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 200 meters northeast of the 457/458 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.06
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0284

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 400
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33007
Longitude: -123.67239
WA state plane south (NAD 27, feet)
East: 1,213,799
North: 744,043

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles east of the 400/495 junction.

Site Comments:

OHW = 0.65 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: 8/10/2004
Field Crew: Haque/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): 0.57
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): 0.61
Rise (m): 0.61
Length (m): 12.11
Slope (%): 3.90
Bed Material: No
Outfall Drop (m): 0.23
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Angled extension on downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0285

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 400
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32906
Longitude: -123.67005
WA state plane south (NAD 27, feet)
East: 1,214,364
North: 743,650

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.2 miles east of the 400/495 junction.

Site Comments:

OHW = 1.85 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.02
OHW (m): 3.15
Max Depth (m): 0.48

CHANNEL DESCRIPTION

Toe Width (m): 1.74
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): 1.17
Rise (m): 1.22
Length (m): 29.90
Slope (%): 5.50
Bed Material: No
Outfall Drop (m): 0.82
WDIC (m): 0.04
Apron: No
Fill Depth (m): 6.50
Tidegate: No

Culvert Comments:

Upstream end of culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0286

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 400
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32964
Longitude: -123.66100
WA state plane south (NAD 27, feet)
East: 1,216,616
North: 743,772

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles east of the 400/495 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.89
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.08
WDIC (m): 0.02
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0287

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32869
Longitude: -123.66180
WA state plane south (NAD 27, feet)
East: 1,216,403
North: 743,433

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles northeast of the 7400/7487 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0288

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32635
Longitude: -123.66830
WA state plane south (NAD 27, feet)
East: 1,214,758
North: 742,646

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the 7400/7487 junction.

Site Comments:

OHW = 0.2 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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):
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:

127Y0289

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7400
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32418
Longitude: -123.67192
WA state plane south (NAD 27, feet)
East: 1,213,830
North: 741,892

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles north of the 7400/7486 junction.

Site Comments:

OHW = 2.15 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: 8/10/2004
Field Crew: Haque/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): 1.92
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): 1.46
Rise (m): 1.46
Length (m): 37.02
Slope (%): 16.90
Bed Material: No
Outfall Drop (m): 1.05
WDIC (m): 0.02
Apron: No
Fill Depth (m): 14.50
Tidegate: No

Culvert Comments:

Series of cascades at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0290

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7486
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32164
Longitude: -123.66966
WA state plane south (NAD 27, feet)
East: 1,214,352
North: 740,943

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 7400/7486 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: 8/10/2004
Field Crew: Haque/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): 0.60
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: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m): 18.71
Slope (%): 10.80
Bed Material: No
Outfall Drop (m): 0.11
WDIC (m): 0.01
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Rip rap placed at downstream end of culvert, no plunge pool. Overflow pipe on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0291

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34668
Longitude: -123.69319
WA state plane south (NAD 27, feet)
East: 1,208,890
North: 750,304

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Falls Cr 22.0307
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles east of the Fs 2281/22 junction.

Site Comments:

Poorly 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.28
Length (m):
Slope (%):
Bed Material: Unk
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Upstream end deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0292

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34613
Longitude: -123.68891
WA state plane south (NAD 27, feet)
East: 1,209,942
North: 750,060

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Larsen Cr 22.0306
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles east of the FS 2200.480/22 junction.

Site Comments:

OHW = 0.85 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.49
OHW (m): 1.34
Max Depth (m): 0.27

CHANNEL DESCRIPTION

Toe Width (m): 0.69
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): 0.64
Rise (m): 0.45
Length (m): 12.56
Slope (%): 4.50
Bed Material: No
Outfall Drop (m): 0.36
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:

127Y0293

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 35
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35200
Longitude: -123.67207
WA state plane south (NAD 27, feet)
East: 1,214,201
North: 752,033

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Falls Cr 22.0307
WRIA: 22.0307
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 miles east of the FS 22/2200.480 junction.

Site Comments:

OHW = 1.1 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: 8/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.28
OHW (m): 1.64
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.10
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): 0.66
Rise (m): 0.68
Length (m): 12.53
Slope (%): 3.30
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end of culvert deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0294

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: O-600
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31922
Longitude: -123.65439
WA state plane south (NAD 27, feet)
East: 1,218,102
North: 739,911

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles south of 0-600/0-610 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/11/2005
Field Crew: Haque/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): 0.75
Span/Toe Ratio: 2.37

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.78
Rise (m): 1.82
Length (m): 41.68
Slope (%): 4.80
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.03
Apron: No
Fill Depth (m): 10.00
Tidegate: No

Culvert Comments:

Outfall drop onto LWD and large cobble, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0295

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: O-600
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31679
Longitude: -123.65389
WA state plane south (NAD 27, feet)
East: 1,218,189
North: 739,020

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters south of 0-620/0-600 junction.

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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/11/2005
Field Crew: Haque/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: 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): 1.23
Rise (m): 1.60
Length (m): 12.39
Slope (%): 9.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Rip rap pile at downstream end of culvert, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0296

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 455
County: Grays Harbor
1/4 Section: NE
Section: 3
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34455
Longitude: -123.68548
WA state plane south (NAD 27, feet)
East: 1,210,770
North: 749,449

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Falls Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0307
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.15 miles north of 450/455 junction.

Site Comments:

OHW = 1.0 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: 8/11/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.73
OHW (m): 1.60
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.57
Span/Toe Ratio: 1.32

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.75
Length (m): 19.27
Slope (%): 2.00
Bed Material: No
Outfall Drop (m): 0.48
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0297

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: O-600
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 21N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33111
Longitude: -123.64007
WA state plane south (NAD 27, feet)
East: 1,221,822
North: 744,102

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.9 miles northwest of the O-600/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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/12/2004
Field Crew: Haque/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): 7.90
Slope (%): 0.88
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No OHW, toe, or plunge pool measurements due to wetland habitat upstream and downstream. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0298

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 2371
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36697
Longitude: -123.57122
WA state plane south (NAD 27, feet)
East: 1,239,392
North: 756,501

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles southeast of the FS 2371/2300 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: 8/16/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 1.20
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Gradient barrier US/DS of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0299

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Gravel Pit Rd
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33606
Longitude: -123.63151
WA state plane south (NAD 27, feet)
East: 1,224,016
North: 745,822

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.40 miles east of gate 258 at gravel pit road/FS 22 junction.

Site Comments:

OHW = 1.1 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: 8/16/2004
Field Crew: Haque/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): 1.09
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): 1.05
Rise (m): 1.04
Length (m): 24.86
Slope (%): 11.90
Bed Material: No
Outfall Drop (m): 1.18
WDIC (m): 0.02
Apron: No
Fill Depth (m): 6.50
Tidegate: No

Culvert Comments:

Outfall drop onto hardpan clay substrate, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0300

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Decommissioned Rd
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33663
Longitude: -123.63149
WA state plane south (NAD 27, feet)
East: 1,224,030
North: 746,029

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 30 meters north of decommissioned road/Gravel Pit Rd junction, north of GDRC gate 258.

Site Comments:

OHW = 0.7 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: 8/16/2004
Field Crew: Haque/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): 0.59
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): 0.46
Rise (m): 0.45
Length (m): 12.56
Slope (%): 4.20
Bed Material: No
Outfall Drop (m): 0.49
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Outfall drop onto LWD and large cobble, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0301

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33099
Longitude: -123.62964
WA state plane south (NAD 27, feet)
East: 1,224,405
North: 743,956

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.4 miles north of the FS 2260/22 junction.

Site Comments:

OHW = 2.65 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: 8/16/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.68
OHW (m): 2.94
Max Depth (m): 0.63

CHANNEL DESCRIPTION

Toe Width (m): 2.50
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

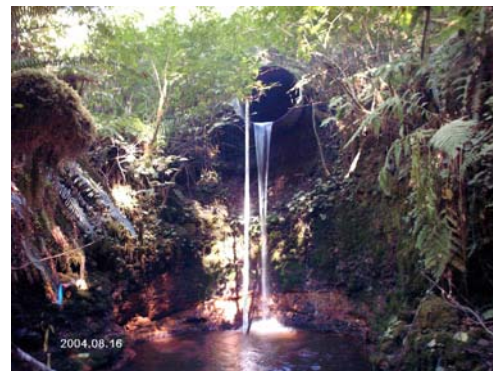
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.29
Length (m): 46.20
Slope (%): 4.30
Bed Material: No
Outfall Drop (m): 3.07
WDIC (m): 0.06
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Culvert beveled downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0302

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 790
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31533
Longitude: -123.62534
WA state plane south (NAD 27, feet)
East: 1,225,245
North: 738,203

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Save Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0303
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.15 miles south of the 7900/600X junction.

Site Comments:

OHW = 3.35 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: 8/16/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 13.23
OHW (m): 11.17
Max Depth (m): 1.11

CHANNEL DESCRIPTION

Toe Width (m): 2.94
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): 2.25
Rise (m): 2.31
Length (m): 25.71
Slope (%): 1.70
Bed Material: No
Outfall Drop (m): 2.25
WDIC (m): 0.08
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Both ends beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0303

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7900
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32771
Longitude: -123.61855
WA state plane south (NAD 27, feet)
East: 1,227,107
North: 742,649

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles north of the 7910/7900 junction.

Site Comments:

Natural point barrier 10 meters 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: 8/16/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.14
WDIC (m): 0.04
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Outfall drop onto boulder pile, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0304

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7900
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33119
Longitude:	-123.62063
WA state plane south (NAD 27, feet)	
East:	1,226,641
North:	743,938

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.8 miles north of the 7910/7900 junction.

Site Comments:

Gradient barrier upstream = 26%. Level A not completed due to no habitat gain upstream.

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:	8/16/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL 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)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Photo taken upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0305

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7900
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33169
Longitude:	-123.61867
WA state plane south (NAD 27, feet)	
East:	1,227,134
North:	744,101

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.9 miles north of the 7910/7900 junction.

Site Comments:

Gradient 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/16/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
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)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.10
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:

127Y0306

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7900
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33001
Longitude: -123.61454
WA state plane south (NAD 27, feet)
East: 1,228,134
North: 743,450

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles southeast of the 7900/7931A junction.

Site Comments:

Natural point barrier downstream, high gradient stream.

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: 8/16/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.76
Rise (m): 0.76
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Angled PVC extension attached to downstream end of culvert. Photo taken at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0307

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7930
County:	Grays Harbor
1/4 Section:	SW
Section:	6
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33670
Longitude:	-123.62260
WA state plane south (NAD 27, feet)	
East:	1,226,232
North:	745,965

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of 7900/7930 junction.

Site Comments:

OHW = 1.5 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:	8/16/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.97
OHW (m)	3.30
Max Depth (m)	0.49

CHANNEL DESCRIPTION

Toe Width (m)	1.37
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)	1.61
Rise (m)	1.70
Length (m)	36.54
Slope (%)	15.30
Bed Material	No
Outfall Drop (m)	0.63
WDIC (m)	0.04
Apron	No
Fill Depth (m)	12.00
Tidegate	No

Culvert Comments:

Culvert beveled both ends.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0308

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31080
Longitude: -123.60978
WA state plane south (NAD 27, feet)
East: 1,229,037
North: 736,400

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Neil Cr 22.0297
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles east of the 7600/FS 22 junction.

Site Comments:

Wetland habitat upstream and downstream, 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/17/2004
Field Crew: Haque/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):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

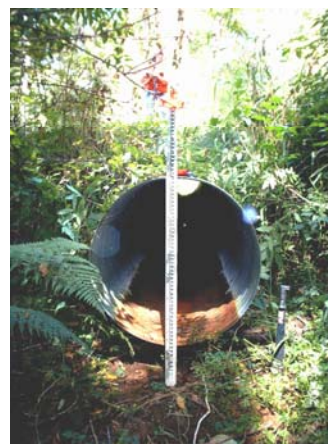
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.90
Length (m): 12.27
Slope (%): 3.20
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool or toe measurements due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0309

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30999
Longitude: -123.60537
WA state plane south (NAD 27, feet)
East: 1,230,119
North: 736,064

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Neil Cr 22.0297
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.4 miles east of the FS 22/7600 junction.

Site Comments:

OHW = 0.2 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: 8/17/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.75
Rise (m): 0.77
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.31
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0310

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600U
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22406
Longitude: -123.59499
WA state plane south (NAD 27, feet)
East: 1,231,461
North: 704,643

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles north of the 600-west/600U junction.

Site Comments:

Wetland habitat upstream and downstream, 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/17/2004
Field Crew: Haque/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

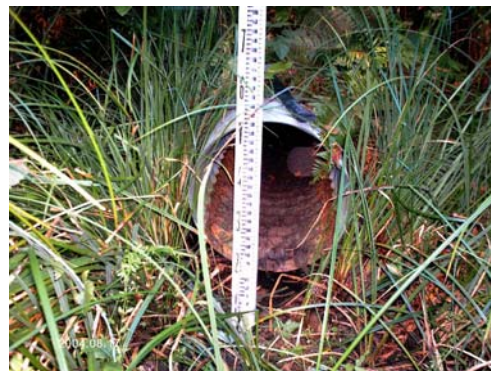
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.38
Length (m): 8.23
Slope (%): 0.50
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool, toe, OHW measurements due to wetland habitat. Level B not applicable due to lack of downstream control



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0311

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600-west
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31267
Longitude: -123.60415
WA state plane south (NAD 27, feet)
East: 1,230,460
North: 737,028

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Neil Cr 22.0297
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles west of the 600-west/600U 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.74
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0312

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600U
County: Grays Harbor
1/4 Section: SW
Section: 8
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31678
Longitude: -123.61035
WA state plane south (NAD 27, feet)
East: 1,228,980
North: 738,586

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Save Cr 22.0303
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the 600U/600-west 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/18/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.68
Rise (m): 0.54
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:

127Y0313

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01278
Longitude: -123.67116
WA state plane south (NAD 27, feet)
East: 1,209,452
North: 628,395

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Caldwell Cr 22.0280
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 150 meters north of Wynoochee Valley Rd, 0.35 miles west of the Wynoochee Valley Rd/Mooney Rd junction.

Site Comments:

OHW = 2.55 meters.

SPECIES POTENTIAL

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

OWNER

Name: Dagnen, Scotty J
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:

127Y0314

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Decommissioned Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	27
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.01971
Longitude:	-123.66092
WA state plane south (NAD 27, feet)	
East:	1,212,106
North:	630,820

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:	Caldwell Cr 22.0280
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.7 miles west of decommissioned Rd/B-line junction.

Site Comments:

Wetland habitat upstream and downstream. OHW = 2.35 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 type="checkbox"/>	Steelhead		

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/15/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.90
OHW (m)	4.60
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	2.10
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	CST
Span (m)	0.54
Rise (m)	0.82
Length (m)	9.24
Slope (%)	0.60
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Level B not applicable due to wetland influence.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0315

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SE
Section: 34
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99778
Longitude: -123.65703
WA state plane south (NAD 27, feet)
East: 1,212,757
North: 622,790

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Geissler Cr 22.0267
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 200 meters north of West Wynoochee Rd, 1.5 miles north of West Wynoochee Rd/Highway 12 junction.

Site Comments:

OHW = 1.7 meters.

SPECIES POTENTIAL

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

OWNER

Name: Paul Pekola
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/27/2004
Field Crew: Haque/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): 1.11
Span/Toe Ratio: 0.94

POTENTIAL HABITAT GAIN

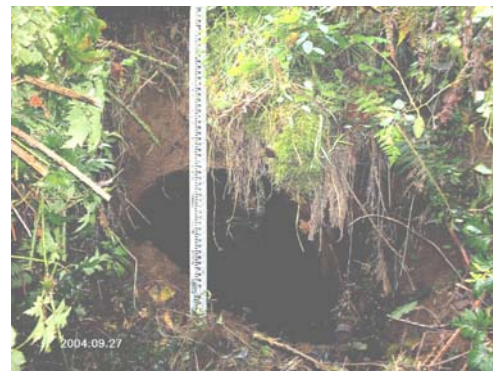
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.04
Rise (m): 1.04
Length (m): 3.64
Slope (%): -2.70
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0316

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NE
Section: 34
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00289
Longitude: -123.66048
WA state plane south (NAD 27, feet)
East: 1,211,970
North: 624,687

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Geissler Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0267
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.2 miles south of Geisler Rd, on private drive 0.75 miles east of the Geisler Rd/West Wynoochee Rd junction.

Site Comments:

OHW = 2.5 meters.

SPECIES POTENTIAL

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

OWNER

Name: Paul Pekola
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/27/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.89
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): 1.52
Rise (m): 1.34
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.41
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Unable to complete level A, no access to downstream end of pipe. Riffle at downstream end of pipe, no outfall drop or plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0317

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SE
Section: 34
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00028
Longitude: -123.65627
WA state plane south (NAD 27, feet)
East: 1,212,983
North: 623,691

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Geissler Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0267
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.5 miles south of Geisler Rd, on private drive 0.75 miles east of the Geisler Rd/West Wynoochee Rd junction.

Site Comments:

OHW = 2.5 meters.

SPECIES POTENTIAL

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

OWNER

Name: Paul Pekola
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/27/2004
Field Crew: Haque/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): 2.02
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): 1.17
Rise (m): 1.19
Length (m): 6.42
Slope (%): 1.61
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.20
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Pipe 1.2 is on left bank. Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0317

Fish Use:

Yes

PI:

Barrier:

No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.62
Rise (m)	0.62
Length (m)	6.07
Slope (%)	0.60
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank. Riffles at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0318

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 0.8 miles south of the Devonshire Rd/Katon Rd junction.

Site Comments:

OHW = 1.5 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:

Downstream end of culvert is rusting away.
Level B not applicable due to tidal influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0319

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7146
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20705
Longitude: -123.61368
WA state plane south (NAD 27, feet)
East: 1,226,577
North: 698,625

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters north of the 7140/7148 junction.

Site Comments:

OHW = 0.65 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: 10/21/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.18
OHW (m): 2.19
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 0.58
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): 0.60
Rise (m): 0.60
Length (m): 12.66
Slope (%): 5.20
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:

127Y0320

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7602
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23865
Longitude: -123.60516
WA state plane south (NAD 27, feet)
East: 1,229,146
North: 710,059

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles north of the 7600-Tie/7602 spur junction.

Site Comments:

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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/21/2004
Field Crew: Lutz/Haque
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 7.15
OHW (m): 28.30
Max Depth (m): 1.25

CHANNEL DESCRIPTION

Toe Width (m): 1.10
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): 1.24
Rise (m): 1.24
Length (m): 12.13
Slope (%): 0.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 1.24
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Beaver ponds upstream and downstream, downstream end of culvert completely submerged. Level B not applicable due to wetland/pond influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0321

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7603
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23896
Longitude: -123.60037
WA state plane south (NAD 27, feet)
East: 1,230,339
North: 710,127

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.1 miles north of the 7603/7602-Tie junction.

Site Comments:

OHW = 0.85 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: 10/21/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.34
OHW (m): 3.20
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 0.81
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): 0.55
Rise (m): 0.57
Length (m): 12.32
Slope (%): 4.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.29
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0322

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7603
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	20N
Range:	07W

WATERBODY

Stream:	unnamed
Tributary To:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

OWNER

Name:	en Diamond Resource Comp
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23995
Longitude:	-123.59995
WA state plane south (NAD 27, feet)	
East:	1,230,458
North:	710,483

Location / Directions:

Water crossing is approximately 0.2 miles north of the 7603/7602-Tie junction.

Site Comments:

OHW = 1.5 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:	10/21/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.75
OHW (m)	2.44
Max Depth (m)	0.83

CHANNEL DESCRIPTION

Toe Width (m)	1.19
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)	0.70
Rise (m)	0.46
Length (m)	12.36
Slope (%)	5.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.50
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert submerged downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0323

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7602-Tie
County:	Grays Harbor
1/4 Section:	NE
Section:	7
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23638
Longitude:	-123.59687
WA state plane south (NAD 27, feet)	
East:	1,231,172
North:	709,151

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.7 miles east of FS 22/7602-Tie junction.

Site Comments:

OHW = 0.85 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:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.65
OHW (m)	1.60
Max Depth (m)	0.24

CHANNEL DESCRIPTION

Toe Width (m)	0.63
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)	0.46
Rise (m)	0.26
Length (m)	6.02
Slope (%)	5.30
Bed Material	No
Outfall Drop (m)	0.24
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:

127Y0324

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600-Brehm
County: Grays Harbor
1/4 Section: SW
Section: 8
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23115
Longitude: -123.59357
WA state plane south (NAD 27, feet)
East: 1,231,915
North: 707,212

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles south of the 7602-Tie/7600-Brehm junction.

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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/21/2004
Field Crew: Lutz/Haque
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.27
OHW (m): 1.44
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 0.70
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): 0.61
Rise (m): 0.59
Length (m): 15.54
Slope (%): 6.20
Bed Material: No
Outfall Drop (m): 0.69
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:

127Y0325

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7701
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24405
Longitude: -123.59607
WA state plane south (NAD 27, feet)
East: 1,231,479
North: 711,939

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0298
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters west of the 7700/7701 junction.

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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/21/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.76
OHW (m): 1.57
Max Depth (m): 0.24

CHANNEL DESCRIPTION

Toe Width (m): 0.65
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): 0.52
Rise (m): 0.39
Length (m): 7.98
Slope (%): 7.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:

Culvert is deformed downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0326

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7700
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24542
Longitude: -123.59595
WA state plane south (NAD 27, feet)
East: 1,231,530
North: 712,438

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0298
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles north of the 7600/770 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/21/2004
Field Crew: Lutz/Haque
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.89
OHW (m): 0.97
Max Depth (m): 0.17

CHANNEL DESCRIPTION

Toe Width (m): 0.46
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: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.16
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:

127Y0327

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7700
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24683
Longitude:	-123.59772
WA state plane south (NAD 27, feet)	
East:	1,231,110
North:	712,968

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 22.0298
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.6 miles north of the 7600/7700 junction.

Site Comments:

OHW = 1.85 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 type="checkbox"/>	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.11
OHW (m)	2.11
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.30
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)	1.04
Rise (m)	1.04
Length (m)	12.18
Slope (%)	7.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0328

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7700
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25139
Longitude: -123.59710
WA state plane south (NAD 27, feet)
East: 1,231,329
North: 714,623

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0299
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 miles north of the 7600/7700 junction.

Site Comments:

OHW = 1.3 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: 10/21/2004
Field Crew: Lutz/Haque
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.25
OHW (m): 2.68
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 1.19
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): 1.04
Rise (m): 0.91
Length (m): 15.89
Slope (%): 11.30
Bed Material: No
Outfall Drop (m): 0.37
WDIC (m): 0.07
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Culvert deformed downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0329

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7700
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25350
Longitude: -123.59864
WA state plane south (NAD 27, feet)
East: 1,230,977
North: 715,409

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0299
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.4 miles north of the 7600/7700 junction.

Site Comments:

OHW = 0.75 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: 10/21/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.80
OHW (m): 1.13
Max Depth (m): 0.38

CHANNEL DESCRIPTION

Toe Width (m): 0.65
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): 0.90
Rise (m): 0.90
Length (m): 12.10
Slope (%): 5.10
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0330

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7700
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25459
Longitude: -123.59969
WA state plane south (NAD 27, feet)
East: 1,230,733
North: 715,816

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0299
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.5 miles north of the 7600/7700 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/21/2004
Field Crew: Lutz/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: 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): 0.62
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.14
WDIC (m): 0.03
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0331

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7700
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25852
Longitude: -123.60261
WA state plane south (NAD 27, feet)
East: 1,230,064
North: 717,277

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0289
WRIA: 22.0299
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.0 miles north of the 7600/7700 junction.

Site Comments:

OHW = 2.05 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: 10/21/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 7.10
OHW (m): 5.05
Max Depth (m): 0.84

CHANNEL DESCRIPTION

Toe Width (m): 1.92
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): 1.01
Rise (m): 1.08
Length (m): 11.35
Slope (%): 7.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.36
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0332

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7700
County: Grays Harbor
1/4 Section: SW
Section: 32
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25922
Longitude: -123.60387
WA state plane south (NAD 27, feet)
East: 1,229,762
North: 717,544

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0299
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.05 miles north of the 7700/7600 (Reed Hill RD) line 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/21/2004
Field Crew: Lutz/Haque
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.23
OHW (m): 1.59
Max Depth (m): 0.16

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): 7.44
Slope (%): 0.45
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.07
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0333

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7292-C
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17592
Longitude: -123.58624
WA state plane south (NAD 27, feet)
East: 1,232,948
North: 687,013

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Carter Cr 22.0291
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles southeast of the 7292/7292C junction.

Site Comments:

OHW = 1.1 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: 10/26/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.75
OHW (m): 1.75
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 1.20
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: PVC
Span (m): 0.75
Rise (m): 0.75
Length (m): 18.68
Slope (%): 3.30
Bed Material: No
Outfall Drop (m): 0.66
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:

127Y0334

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7204
County: Grays Harbor
1/4 Section: NE
Section: 32
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17718
Longitude: -123.58070
WA state plane south (NAD 27, feet)
East: 1,234,341
North: 687,419

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Carter Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0291
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles west of the 7200/7204 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: 10/26/2004
Field Crew: Lutz/Haque
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.00
WDIC (m): 0.18
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Poorly defined stream channel, perennial vegetation throughout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0335

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7200
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17763
Longitude: -123.59487
WA state plane south (NAD 27, feet)
East: 1,230,827
North: 687,719

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0293
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles southwest of the 7200/7290 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: 10/26/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.25
OHW (m): 1.05
Max Depth (m): 0.45

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: CST
Span (m): 0.30
Rise (m): 0.30
Length (m): 8.29
Slope (%): 4.20
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:

127Y0336

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7200
County: Grays Harbor
1/4 Section: SE
Section: 31
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17452
Longitude: -123.59844
WA state plane south (NAD 27, feet)
East: 1,229,895
North: 686,620

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0293
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles southwest of the 7200/7290 junction.

Site Comments:

OHW = 0.85 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: 10/26/2004
Field Crew: Lutz/Haque
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 6.17
OHW (m): 1.75
Max Depth (m): 0.58

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): 15.39
Slope (%): 7.60
Bed Material: No
Outfall Drop (m): 1.75
WDIC (m): 0.05
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0337

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7200
County: Grays Harbor
1/4 Section: SE
Section: 31
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16941
Longitude: -123.60205
WA state plane south (NAD 27, feet)
East: 1,228,926
North: 684,794

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0293
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles southwest of the 7200/7290 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/26/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert buried downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0338

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7200
County: Grays Harbor
1/4 Section: SW
Section: 31
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16811
Longitude: -123.60281
WA state plane south (NAD 27, feet)
East: 1,228,718
North: 684,328

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0293
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.4 miles southwest of the 7200/7290 junction.

Site Comments:

Wetland habitat upstream. OHW = 1.1 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: 10/26/2004
Field Crew: Lutz/Haque
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.37
OHW (m): 2.05
Max Depth (m): 0.84

CHANNEL DESCRIPTION

Toe Width (m): 0.90
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): 0.60
Rise (m): 0.60
Length (m): 15.56
Slope (%): 4.50
Bed Material: No
Outfall Drop (m): 0.85
WDIC (m): 0.10
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Bottom of culvert rusted out downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0339

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7200 Old
County: Grays Harbor
1/4 Section: NW
Section: 6
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16504
Longitude: -123.60237
WA state plane south (NAD 27, feet)
East: 1,228,782
North: 683,206

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Carter Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0291
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.75 miles south of the 7200/7290 junction.

Site Comments:

OHW = 2.7 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: 10/26/2004
Field Crew: Haque/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 7.10
OHW (m): 3.37
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 2.10
Span/Toe Ratio: 0.89

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.86
Rise (m): 1.02
Length (m): 12.56
Slope (%): 0.35
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.45
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert deformed downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0340

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7200
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16058
Longitude: -123.60023
WA state plane south (NAD 27, feet)
East: 1,229,252
North: 681,558

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Carter Cr 22.0291
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.1 miles south of the 7200/7290 junction.

Site Comments:

OHW = 0.65 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: 10/26/2004
Field Crew: Lutz/Haque
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: 1.58

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.95
Rise (m): 0.85
Length (m): 21.65
Slope (%): 6.00
Bed Material: No
Outfall Drop (m): 0.90
WDIC (m): 0.03
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Series of cascades downstream, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0341

Fish Use:

Unk

PI:

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7200
County: Grays Harbor
1/4 Section: SE
Section: 6
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15908
Longitude: -123.60038
WA state plane south (NAD 27, feet)
East: 1,229,192
North: 681,012

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Carter Cr 22.0291
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.2 miles south of the 7200/7290 junction.

Site Comments:

Poorly defined channel, OHW near 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/26/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.35
OHW (m): 1.40
Max Depth (m): 0.29

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 17.26
Slope (%): 5.80
Bed Material: No
Outfall Drop (m): 0.25
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:

127Y0342

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7250
County: Grays Harbor
1/4 Section: NE
Section: 12
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14983
Longitude: -123.61136
WA state plane south (NAD 27, feet)
East: 1,226,330
North: 677,749

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Carter Cr 22.0291
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.7 miles southwest of the 7200/7250 junction.

Site Comments:

OHW = 0.85 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: 10/26/2004
Field Crew: Lutz/Haque
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.81
OHW (m): 5.00
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m): 1.20
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): 0.90
Rise (m): 0.90
Length (m): 24.74
Slope (%): 2.70
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.12
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Armored banks downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0343

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7250
County:	Grays Harbor
1/4 Section:	NE
Section:	12
Township:	19N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14999
Longitude:	-123.61150
WA state plane south (NAD 27, feet)	
East:	1,226,297
North:	677,809

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:	Carter Cr 22.0291
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.7 miles southwest of the 7200/7250 junction.

Site Comments:

OHW = 0.4 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:	10/26/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.34
Span/Toe Ratio	1.32

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)	0.30
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:

127Y0344

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7251-C
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15960
Longitude: -123.61556
WA state plane south (NAD 27, feet)
East: 1,225,426
North: 681,353

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Carter Cr 22.0291
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles west of the 7251/7251C 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/26/2004
Field Crew: Lutz/Haque
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: 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): 0.60
Rise (m): 0.60
Length (m): 12.64
Slope (%): 3.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.16
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Riffles downstream of culvert, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0345

Fish Use: No

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7251-C
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16086
Longitude: -123.61466
WA state plane south (NAD 27, feet)
East: 1,225,669
North: 681,801

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Carter Cr 22.0291
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles west of the 7251/7251C 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/26/2004
Field Crew: Haque/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 0.80
Max Depth (m): 0.11

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): 12.55
Slope (%): 0.20
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.08
Apron: No
Fill Depth (m): 2.00
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:

127Y0346

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Wynoochee Valley Rd
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16674
Longitude: -123.62596
WA state plane south (NAD 27, feet)
East: 1,222,945
North: 684,057

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles northeast of the Wynoochee Valley Rd/Eagle Ln junction.

Site Comments:

OHW = 1.1 meters. 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/10/2004
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) 0.95
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: PCC
Span (m): 1.20
Rise (m): 1.23
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.95
Tidegate: No

Culvert Comments:

Riffle at downstream end, no outfall or plunge pool.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0347

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-500
County: Grays Harbor
1/4 Section: SE
Section: 26
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00958
Longitude: -123.64454
WA state plane south (NAD 27, feet)
East: 1,216,043
North: 626,966

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0268
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.9 miles northeast of the Sylvia A-line/A-500 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/22/2004
Field Crew: Blatt/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): 0.05

CHANNEL DESCRIPTION

Toe Width (m): 0.45
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): 0.47
Rise (m): 0.47
Length (m): 14.93
Slope (%): 6.70
Bed Material: No
Outfall Drop (m): 0.57
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:

127Y0348

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-500
County: Grays Harbor
1/4 Section: NE
Section: 35
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00917
Longitude: -123.64355
WA state plane south (NAD 27, feet)
East: 1,216,284
North: 626,804

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0268
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.8 miles northeast of the A-500/Sylvia A-line 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/22/2004
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): 0.60
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): 24.26
Slope (%): 9.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool or outfall.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0349

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-590
County: Grays Harbor
1/4 Section: SE
Section: 26
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01214
Longitude: -123.63954
WA state plane south (NAD 27, feet)
East: 1,217,326
North: 627,847

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0268
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.1 miles northeast of the A-590/A-500 junction.

Site Comments:

OHW = 1.95 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/22/2004
Field Crew: Blatt/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 3.75
OHW (m): 3.00
Max Depth (m): 0.83

CHANNEL DESCRIPTION

Toe Width (m): 1.95
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): 1.27
Rise (m): 1.27
Length (m): 12.27
Slope (%): 0.40
Bed Material: No
Outfall Drop (m): 0.29
WDIC (m): 0.12
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Overflow pipe on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0350

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1130
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04270
Longitude: -123.71641
WA state plane south (NAD 27, feet)
East: 1,198,620
North: 639,758

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters north of the A-1130/A-1100 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/23/2004
Field Crew: Blatt/Lutz
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

Length (m): 1.42
OHW (m): 1.35
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.49
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): 0.46
Rise (m): 0.46
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.02
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

PVC overflow pipes on both banks.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0351

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1130
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04543
Longitude: -123.71315
WA state plane south (NAD 27, feet)
East: 1,199,471
North: 640,718

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles north of the A-1130/A-1100 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/23/2004
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): 0.33
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): 0.44
Rise (m): 0.44
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.80
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:

127Y0352

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1150
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.03230
Longitude: -123.69963
WA state plane south (NAD 27, feet)
East: 1,202,645
North: 635,798

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile south of the A-1150/A-1100 junction.

Site Comments:

Site is backwatered by beaver ponds upstream and downstream. Unable to complete level A.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/23/2004
Field Crew: Blatt/Lutz
Barrier: Unk
Passability (%):
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: CST
Span (m): 0.32
Rise (m): 0.32
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m):
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:

Culvert completely submerged, unable to complete level A.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0353

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-70
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.02769
Longitude: -123.71432
WA state plane south (NAD 27, feet)
East: 1,198,917
North: 634,265

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wedekind Cr 22.0283
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles west of the A-70/A-line 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/23/2004
Field Crew: Blatt/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.65
OHW (m): 4.22
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.65
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): 0.61
Rise (m): 0.61
Length (m): 31.09
Slope (%): 4.90
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.02
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:

Bottom of culvert rusted out downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0354

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	A-70
County:	Grays Harbor
1/4 Section:	SE
Section:	19
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.03101
Longitude:	-123.72389
WA state plane south (NAD 27, feet)	
East:	1,196,581
North:	635,573

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Wedekind Cr 22.0283
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.9 miles west of the A-70/A-line junction.

Site Comments:

OHW = 0.85 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/23/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.54
OHW (m)	1.81
Max Depth (m)	0.34

CHANNEL DESCRIPTION

Toe Width (m)	0.55
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)	0.38
Rise (m)	0.38
Length (m)	17.01
Slope (%)	8.10
Bed Material	No
Outfall Drop (m)	1.39
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:

127Y0355

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1500
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04685
Longitude: -123.72937
WA state plane south (NAD 27, feet)
East: 1,195,452
North: 641,401

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wedekind Cr 22.0283
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.55 miles southwest of the A-1500/ A-line junction.

Site Comments:

OHW = 1.9 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/23/2004
Field Crew: 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): 1.63
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): 0.61
Rise (m): 0.61
Length (m): 31.36
Slope (%): 5.80
Bed Material: No
Outfall Drop (m): 0.60
WDIC (m): 0.06
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:

Rip rap at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0356

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1550
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04529
Longitude: -123.72777
WA state plane south (NAD 27, feet)
East: 1,195,829
North: 640,816

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wedekind Cr 22.0283
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters south of the A-1500/A-1550 junction.

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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/23/2004
Field Crew: Blatt/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.06
OHW (m): 1.10
Max Depth (m): 0.26

CHANNEL DESCRIPTION

Toe Width (m): 0.67
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): 0.45
Rise (m): 0.45
Length (m): 12.45
Slope (%): 7.70
Bed Material: No
Outfall Drop (m): 0.39
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:

127Y0357

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-70
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.02907
Longitude: -123.71710
WA state plane south (NAD 27, feet)
East: 1,198,245
North: 634,798

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wedekind Cr 22.0283
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles west of the A-70/A-line 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/30/2004
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): 1.47
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Cascades at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0358

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-3530
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07505
Longitude: -123.71191
WA state plane south (NAD 27, feet)
East: 1,200,220
North: 651,499

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles east of the A-line/A-3500 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/30/2004
Field Crew: Blatt/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.40
OHW (m): 0.90
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.45
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:

127Y0359

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	A-1300
County:	Grays Harbor
1/4 Section:	SW
Section:	33
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99592
Longitude:	-123.69636
WA state plane south (NAD 27, feet)	
East:	1,202,922
North:	622,507

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:	Geisler Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0267
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 100 meters east, past the gate at the east end of the A-1300 line.

Site Comments:

Large man made ponds upstream and downstream. Downstream of site is a additional culvert with a vertical overflow intake, passing water back into Geisler Creek. Upstream end of culvert has steel debris bars.

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:	Trees Inc
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/27/2004
Field Crew:	Blatt/Lutz/Randall
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)	0.47
Rise (m)	0.47
Length (m)	12.45
Slope (%)	1.80
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Toe and plunge pool measurements unavailable due to ponds upstream and downstream. Outfall drop falls onto metal chute 3 meters long.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0360

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1300
County: Grays Harbor
1/4 Section: SW
Section: 33
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99616
Longitude: -123.69613
WA state plane south (NAD 27, feet)
East: 1,202,985
North: 622,592

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Geisler Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0267
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 100 meters east, past the gate at the east end of the A-1300 line.

Site Comments:

Upstream end of culvert is a vertical overflow intake with debris diversion structure around entrance. Large holding pond upstream, downstream falls into Geisler Creek.

SPECIES POTENTIAL

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

OWNER

Name: Trees Inc
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/27/2004
Field Crew: Blatt/Lutz/Randall
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): 3.63
Span/Toe Ratio: 0.44

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.60
Rise (m): 0.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 3.95
WDIC (m): 0.13
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Unable to complete level A slope and length calculations due to vertical overflow intake upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0361

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1090
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98550
Longitude: -123.69579
WA state plane south (NAD 27, feet)
East: 1,202,911
North: 618,705

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0266
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the A-1090/A-1000 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: Bascom Pacific LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/27/2004
Field Crew: Blatt/Lutz/Randall
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 1.62
OHW (m): 0.91
Max Depth (m): 0.31

CHANNEL DESCRIPTION

Toe Width (m): 0.54
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): 0.61
Rise (m): 0.61
Length (m): 12.32
Slope (%): -0.50
Bed Material: No
Outfall Drop (m): 0.46
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert is heavily rusted both ends.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0362

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1090
County: Grays Harbor
1/4 Section: NW
Section: 4
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99183
Longitude: -123.69186
WA state plane south (NAD 27, feet)
East: 1,203,985
North: 620,970

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0266
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles north of A-1090/A-1000 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/28/2004
Field Crew: Blatt/Lutz/Randall
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: OK
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.32
OHW (m): 0.91
Max Depth (m): 0.62

CHANNEL DESCRIPTION

Toe Width (m): 0.73
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): 0.61
Rise (m): 0.61
Length (m): 12.17
Slope (%): 3.30
Bed Material: Yes
Outfall Drop (m): 0.41
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Downstream end of culvert has a log across which is recruiting stream bed material.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0363

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: NE
Section: 3
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98790
Longitude: -123.66214
WA state plane south (NAD 27, feet)
East: 1,211,338
North: 619,240

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located on private logging road, west of West Wynoochee Rd.

Site Comments:

OHW = 0.7 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: 12/28/2004
Field Crew: Blatt/Lutz/Randall
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.83
OHW (m): 1.34
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 0.48
Span/Toe Ratio: 0.63

POTENTIAL HABITAT GAIN

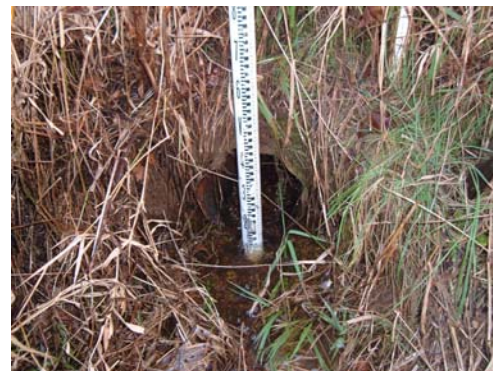
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.30
Rise (m): 0.30
Length (m): 6.09
Slope (%): 1.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:

Downstream end of culvert is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0364

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98239
Longitude: -123.66137
WA state plane south (NAD 27, feet)
East: 1,211,450
North: 617,223

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located on private logging road, west of West Wynoochee Rd.

Site Comments:

OHW = 0.7 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: 12/28/2004
Field Crew: Blatt/Lutz/Randall
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.22
OHW (m): 1.58
Max Depth (m): 0.46

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.46
Rise (m): 0.46
Length (m): 9.21
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.16
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:

127Y0365

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98174
Longitude:	-123.67692
WA state plane south (NAD 27, feet)	
East:	1,207,562
North:	617,142

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Higgins Sl 22.0257
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located immediately west of private road/Badgle Rd junction.

Site Comments:

OHW = 0.85 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:	12/27/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.22
OHW (m)	1.56
Max Depth (m)	0.28

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	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	10.88
Slope (%)	8.90
Bed Material	No
Outfall Drop (m)	0.00
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:

127Y0366

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-600
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97592
Longitude: -123.72771
WA state plane south (NAD 27, feet)
East: 1,194,808
North: 615,536

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles north of the A-600/Highway 12 junction.

Site Comments:

OHW = 0.9 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/27/2004
Field Crew: Blatt/Lutz/Randall
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): 0.65
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): 0.97
Rise (m): 0.85
Length (m): 13.36
Slope (%): 5.50
Bed Material: No
Outfall Drop (m): 1.02
WDIC (m): 0.04
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Series of cascades downstream, no plunge pool. Downstream end of culvert has rusted bottom.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0367

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: N Bank Rd
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97651
Longitude: -123.68614
WA state plane south (NAD 27, feet)
East: 1,205,185
North: 615,331

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.2 miles northeast of the North Bank Rd/State Hwy 12.

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: Martin & Ruthanne Kay
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 2/3/2004
Field Crew: Blatt/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 1.15
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.45
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: PVC
Span (m): 0.41
Rise (m): 0.41
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.02
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:

127Y0368

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97850
Longitude:	-123.67775
WA state plane south (NAD 27, feet)	
East:	1,207,306
North:	615,969

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Higgins Sl
Tributary To:	Chehalis R 22.0190
WRIA:	22.0257
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.4 miles southwest of private logging road/Badgle Rd junction.

Site Comments:

OHW = 0.85 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:	1/4/2005
Field Crew:	Blatt/Hamel
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)	0.18

CHANNEL DESCRIPTION

Toe Width (m)	0.82
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)	0.61
Rise (m)	0.61
Length (m)	21.25
Slope (%)	6.90
Bed Material	No
Outfall Drop (m)	0.97
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:

127Y0369

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97605
Longitude: -123.67856
WA state plane south (NAD 27, feet)
East: 1,207,070
North: 615,085

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Higgins Sl 22.0257
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles southwest of private logging road/Badgle Rd 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: Bascom Pacific LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/4/2005
Field Crew: Blatt/Hamel
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: 0.82

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.37
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.07
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Riffles at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0370

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	C-line
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	18N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.01537
Longitude:	-123.70205
WA state plane south (NAD 27, feet)	
East:	1,201,791
North:	629,650

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Mooney Cr 22.0281
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles northwest of the C-line/Geisler Rd junction.

Site Comments:

OHW < 0.6 meters. 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:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/5/2005
Field Crew:	Blatt/Hamel/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL 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)	0.35
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0371

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01900
Longitude: -123.71055
WA state plane south (NAD 27, feet)
East: 1,199,728
North: 631,059

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wedekind Cr 22.0283
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles northwest of C-line/Geisler Rd 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/5/2005
Field Crew: Blatt/Hamel/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.10
OHW (m): 0.60
Max Depth (m): 0.30

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): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.10
WDIC (m): 0.02
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0372

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.02048
Longitude: -123.71239
WA state plane south (NAD 27, feet)
East: 1,199,292
North: 631,617

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wedekind Cr 22.0283
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles northwest of C-line/Geisler Rd 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/5/2005
Field Crew: Blatt/Hamel/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
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):
WDIC (m): 0.13
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0373

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-line
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.02155
Longitude: -123.71464
WA state plane south (NAD 27, feet)
East: 1,198,747
North: 632,033

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wedekind Cr 22.0283
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.1 miles northwest of C-line/Geisler Rd 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/5/2005
Field Crew: Blatt/Hamel/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 1.50
WDIC (m): 0.02
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0374

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00541
Longitude: -123.66577
WA state plane south (NAD 27, feet)
East: 1,210,690
North: 625,657

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Geisler Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0267
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located beneath private drive for residence @ 141 Geisler Rd.

Site Comments:

OHW = 2.6 meters. Neighbor reports adult salmon returning above culvert.

SPECIES POTENTIAL

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

OWNER

Name: John & Vanessa Koski
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/26/2005
Field Crew: Blatt/Lutz/Randall
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 7.00
OHW (m): 4.50
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 2.20
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): 1.25
Rise (m): 1.25
Length (m): 7.84
Slope (%): 0.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.51
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Upstream end of culvert has concrete covering fill around pipe.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0375

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7723 rail grade
County: Grays Harbor
1/4 Section: SE
Section: 6
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24761
Longitude: -123.60345
WA state plane south (NAD 27, feet)
East: 1,229,700
North: 713,307

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0298
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is under abandoned rail road grade 0.85 miles northwest of the 7602-Tie/7603B junction.

Site Comments:

OHW = 2.9 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: 2/10/2005
Field Crew: Blatt/Hamel/Randall
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 10.00
OHW (m): 5.00
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 2.35
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): 0.82
Rise (m): 0.82
Length (m): 52.96
Slope (%): 5.20
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.44
Apron: No
Fill Depth (m): 31.00
Tidegate: No

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0376

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7723 rail grade
County: Grays Harbor
1/4 Section: SE
Section: 6
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24413
Longitude: -123.60098
WA state plane south (NAD 27, feet)
East: 1,230,262
North: 712,016

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0298
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is under abandoned rail road grade 0.65 miles northwest of the 7602-Tie/7603B junction.

Site Comments:

OHW = 1.9 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: 2/10/2005
Field Crew: Blatt/Hamel/Randall
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.60
OHW (m): 1.35
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.95
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): 0.66
Rise (m): 0.66
Length (m): 37.21
Slope (%): 2.80
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.40
Apron: No
Fill Depth (m): 25.00
Tidegate: No

Culvert Comments:

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0377

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Solki Rd
County: Grays Harbor
1/4 Section: NW
Section: 17
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96525
Longitude: -123.71637
WA state plane south (NAD 27, feet)
East: 1,197,477
North: 611,531

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0252
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.15 miles north of the Solki Rd/Central Park Dr junction.

Site Comments:

Manmade pond US with wetland habitat DS with beaver influences. OHW>0.60m.

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: 7/12/2004
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: 1.2
Shape: RND
Material: CST
Span (m): 1.04
Rise (m): 1.04
Length (m): 15.77
Slope (%): 0.72
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 1.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 1.2 is located on LB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0377

Fish Use: Yes

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.05
Length (m)	16.07
Slope (%)	0.75
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	1.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on RB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0378

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 0.75 miles west of the Karjala Rd/Hill Rd intersection.

Site Comments:

OHW=1.75m.

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

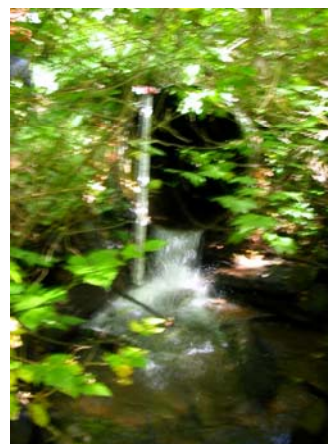
Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

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:

Broken pieces of concrete laying in plunge pool making features undefined.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0379

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: SE
Section: 8
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96945
Longitude: -123.70107
WA state plane south (NAD 27, feet)
East: 1,201,358
North: 612,907

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0252
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles west of the Karjala Rd/Hill Rd intersection. Flows beneath Private Dr at 6405 Karjala Rd.

Site Comments:

OHW=2.10m. Two culverts at site, streams come together at plunge pool. Culvert is located on LB.

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: 7/12/2004
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): 1.30
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): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.13
WDIC (m): 0.03
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Outfall drop is into pieces of old culvert to reduce scouring. There is a bend in the culvert, not allowing slope or length measurements. US end of culvert is 0.31x0.31m round precast concrete.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0380

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 0.45 miles west of the Karjala Rd/Hill Rd junction.

Site Comments:

OHW=2.10m. Two culverts at site, streams come together at plunge pool. Culvert is located on RB.

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:

127Y0381

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 0.40 miles west of the Karjala Rd/Hill Rd intersection.

Site Comments:

OHW=0.80m.

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:

Last section of pipe is dislodged, but is still passing water.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0382

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Central Park Dr
County: Grays Harbor
1/4 Section: NE
Section: 18
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96223
Longitude: -123.72145
WA state plane south (NAD 27, feet)
East: 1,196,167
North: 610,483

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0252
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the Central Park Dr/ Solki Rd junction.

Site Comments:

Large wetlands US/DS of site.

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: 7/12/2004
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: BOX
Material: PCC
Span (m): 1.90
Rise (m): 1.20
Length (m): 11.55
Slope (%): 0.64
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.98
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No plunge pool or stream measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0383

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Central Park Dr
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96441
Longitude: -123.73229
WA state plane south (NAD 27, feet)
East: 1,193,493
North: 611,388

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.80 miles west of the Central Park Dr/S044 Rd junction.

Site Comments:

Rail Rd grade 15m DS of site.

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: 7/12/2004
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): 0.61
Rise (m): 0.61
Length (m): 19.45
Slope (%): 0.13
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.47
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No plunge pool or stream width measurements due to wetland/tidal influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0384

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Central Park Dr
County: Grays Harbor
1/4 Section: SE
Section: 12
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96678
Longitude: -123.73691
WA state plane south (NAD 27, feet)
East: 1,192,378
North: 612,299

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles east of the Central Park Dr/Highway 12 junction.

Site Comments:

Wetlands present US/DS of site.

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: 7/12/2004
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):
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): 16.24
Slope (%): 1.99
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.39
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No plunge pool or stream measurements due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0385

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 0.15 miles west of the driveway for Lake Aberdeen Hatchery.

Site Comments:

Stream is tidally influenced. OHW=12m.

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:

No plunge pool or toe measurements due to tidal influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0386

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Fairway Park Rd
County: Grays Harbor
1/4 Section: NE
Section: 18
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96409
Longitude: -123.72225
WA state plane south (NAD 27, feet)
East: 1,195,993
North: 611,169

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0252
WRIA: 22.0253
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the Central Park Dr/Fairway Park Rd junction.

Site Comments:

Private residence with modified agriculture land on RB, DS. OHW>0.60m.

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: 7/12/2004
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):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: ARCH
Material: CST
Span (m): 1.90
Rise (m): 1.10
Length (m): 9.14
Slope (%): -0.91
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 1.05
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool or stream width measurements due to modifications to stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0387

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Alder Brook PI
County: Grays Harbor
1/4 Section: SE
Section: 8
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96984
Longitude: -123.69904
WA state plane south (NAD 27, feet)
East: 1,201,870
North: 613,028

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0252
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 40 meters north of the Alder Brook PI/Karjala Rd junction.

Site Comments:

Stream banks are armored in places to reduce scour. OHW=1.0m.

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: 7/12/2004
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): 1.00
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): 1.04
Rise (m): 1.04
Length (m): 15.00
Slope (%): 0.60
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 as stream riffles directly out of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0388

Fish Use: No

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Hagara St
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 17N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97616
Longitude: -123.77557
WA state plane south (NAD 27, feet)
East: 1,182,876
North: 616,118

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles southeast of the Hagara St/Highway 12 junction.

Site Comments:

Site is tidally influenced with wetlands US/DS of culvert.

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: 7/19/2004
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):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: OTH
Material: OTH
Span (m): 0.70
Rise (m): 0.32
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.20
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:

No plunge pool and stream width measurements due to wetland/tidal influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0389

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Fairfield St
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	17N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97844
Longitude:	-123.80022
WA state plane south (NAD 27, feet)	
East:	1,176,763
North:	617,202

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Wilson Cr
Tributary To:	Chehalis R 22.0190
WRIA:	22.0236
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 10 meters south of the Fairfield St/Summit St junction.

Site Comments:

Surrounding land use is residential. Stream channel has been ditched and straightened. Single juvenal Coho observed at site.

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:	7/19/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	3.20
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	1.16

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	8.01
Slope (%)	1.91
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Culvert 1.2 is located on LB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0389

Fish Use: Yes

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.71
Rise (m)	0.71
Length (m)	7.82
Slope (%)	0.64
Bed Material	No
Outfall Drop (m)	0.08
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on RB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0390

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Tyler St
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 17N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97815
Longitude: -123.80104
WA state plane south (NAD 27, feet)
East: 1,176,554
North: 617,108

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Wilson Cr
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 50 meters east of the Tyler St/S. Fleet St junction.

Site Comments:

OHW=2.15m.

SPECIES POTENTIAL

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

OWNER

Name: Aberdeen
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
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): 1.40
Span/Toe Ratio: 1.29

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: BOX
Material: PCC
Span (m): 1.80
Rise (m): 1.20
Length (m): 49.33
Slope (%): 0.16
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.09
Apron: No
Fill Depth (m): 0.70
Tidegate: No

Culvert Comments:

No plunge pool as stream riffles at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0391

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Cowan St
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 17N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97894
Longitude: -123.79964
WA state plane south (NAD 27, feet)
East: 1,176,915
North: 617,378

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Wilson Cr
Tributary To: Chehalis R 22.0190
WRIA: 22.0236
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 50 meters south of the Cowan St/Henry St junction.

Site Comments:

OHW=1.60m.

SPECIES POTENTIAL

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

OWNER

Name: Aberdeen
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.08
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: PCC
Span (m): 1.20
Rise (m): 1.25
Length (m): 14.98
Slope (%): 1.91
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Stream width measurements affected by ditching of channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0392

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Cowan St
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 17N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97922
Longitude: -123.79942
WA state plane south (NAD 27, feet)
East: 1,176,974
North: 617,478

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Wilson Cr
Tributary To: Chehalis R 22.0190
WRIA: 22.0236
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 10 meters south of the Cowan St/Henry St junction.

SPECIES POTENTIAL

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

OWNER

Name: Aberdeen
Type: City

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.08
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: PCC
Span (m): 1.20
Rise (m): 1.20
Length (m): 14.95
Slope (%): 0.94
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.18
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Cobble pile at DS end provides control point.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0393

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Henry St
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 17N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97942
Longitude: -123.79903
WA state plane south (NAD 27, feet)
East: 1,177,074
North: 617,550

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Wilson Cr
Tributary To: Chehalis R 22.0190
WRIA: 22.0236
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 20 meters east of the Henry St/Cowan St junction.

Site Comments:

Landowner reports adult salmon returning in small numbers. Stream floods over road annually.

SPECIES POTENTIAL

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

OWNER

Name: Aberdeen
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/19/2004
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): 1.08
Span/Toe Ratio: 2.22

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.20
Length (m): 18.83
Slope (%): 0.39
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 due to riffle at DS end of culvert. US end is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0393

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.20
Length (m)	18.47
Slope (%)	1.57
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 RB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0394

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad tracks
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.96525
Longitude: -123.66046
WA state plane south (NAD 27, feet)
East: 1,211,425
North: 610,968

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Chehalis R 22.0190
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles west of the driveway for 116 Clemons Rd.

Site Comments:

Site is influenced by wetlands.

SPECIES POTENTIAL

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

OWNER

Name: Sierra Pacific
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/28/2004
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):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

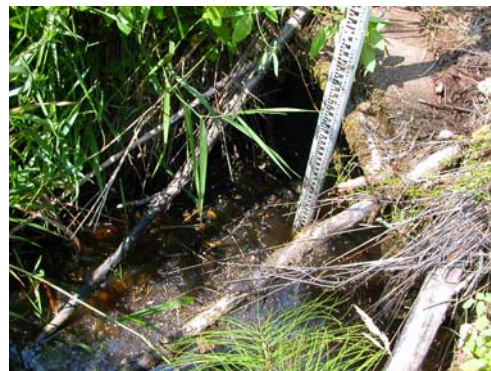
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.93
Rise (m): 0.93
Length (m): 12.19
Slope (%): 2.54
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.35
Apron: No
Fill Depth (m): 1.75
Tidegate: No

Culvert Comments:

Stream width and plunge pool measurements not available due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0395

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	4102
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	17N
Range:	09W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98502
Longitude:	-123.75220
WA state plane south (NAD 27, feet)	
East:	1,188,838
North:	619,102

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:	Van Winkle Cr 22.0240
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.90 miles northwest of the 4102/Aberdeen Lake Rd junction.

Site Comments:

Site is backwatered by beaver dam 50 meters DS 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:	10/29/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	4.80
OHW (m)	3.45
Max Depth (m)	0.90

CHANNEL DESCRIPTION

Toe Width (m)	2.60
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	CAL
Span (m)	1.23
Rise (m)	1.23
Length (m)	15.06
Slope (%)	1.02
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.84
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

US end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0396

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW
Section:	18
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30541
Longitude:	-123.62853
WA state plane south (NAD 27, feet)	
East:	1,224,311
North:	734,621

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Anderson Cr 22.0309
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles south of the FS 22/600 junction.

Site Comments:

Road impounded wetlands US with channel braiding DS of site. OHW=0.60m.

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:	4/19/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	1.45
Max Depth (m)	0.75

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)	13.20
Slope (%)	3.64
Bed Material	No
Outfall Drop (m)	0.21
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Plunge pool is excavated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0397

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW
Section:	18
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30794
Longitude:	-123.62922
WA state plane south (NAD 27, feet)	
East:	1,224,177
North:	735,550

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the FS 22/600 junction.

Site Comments:

Small wetlands US with channel braiding DS of culvert. OHW=1.15m.

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:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	3.30
OHW (m)	2.50
Max Depth (m)	0.55

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)	0.61
Length (m)	15.78
Slope (%)	1.11
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.75
Tidegate	No

Culvert Comments:

Bottom of culvert is rusted out.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0398

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: NW
Section: 18
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31149
Longitude: -123.62950
WA state plane south (NAD 27, feet)
East: 1,224,159
North: 736,847

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 10 meters north of the FS 22/600 junction.

Site Comments:

OHW=1.30m.

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: 4/19/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: Slope

PLUNGE POOL DESCRIPTION

Length (m): 6.10
OHW (m): 2.85
Max Depth (m): 1.00

CHANNEL DESCRIPTION

Toe Width (m): 1.20
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: PCC
Span (m): 0.59
Rise (m): 0.59
Length (m): 18.26
Slope (%): 2.39
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.19
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Plunge pool is excavated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0399

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	T-600
County:	Grays Harbor
1/4 Section:	NE
Section:	19
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30001
Longitude:	-123.62207
WA state plane south (NAD 27, feet)	
East:	1,225,835
North:	732,590

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.85 miles south of the T-600/600 junction.

Site Comments:

OHW=1.20m.

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:	4/19/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	2.30
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	1.06

POTENTIAL 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)	0.74
Length (m)	12.51
Slope (%)	2.18
Bed Material	No
Outfall Drop (m)	0.03
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:

127Y0400

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SE
Section: 1
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24344
Longitude: -123.61337
WA state plane south (NAD 27, feet)
East: 1,227,178
North: 711,887

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0298
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles north of the FS 22/7602-Tie line junction.

Site Comments:

OHW=0.50m.

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: 4/19/2005
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): 0.50
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): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.40
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:

127Y0401

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7510-I
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22451
Longitude: -123.66162
WA state plane south (NAD 27, feet)
East: 1,214,926
North: 705,464

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles northeast of the 7510/7510-I 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: 5/10/2005
Field Crew: Glore/Blatt
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):
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): 0.42
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:

127Y0402

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7400
County:	Grays Harbor
1/4 Section:	NW
Section:	14
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.21996
Longitude:	-123.64619
WA state plane south (NAD 27, feet)	
East:	1,218,691
North:	703,653

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the 7400/7400 B junction.

Site Comments:

OHW=0.80m. Substrate is gravel.

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:	4/24/2005
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)	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)	12.11
Slope (%)	4.68
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:

127Y0403

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 22
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33103
Longitude: -123.62982
WA state plane south (NAD 27, feet)
East: 1,224,362
North: 743,972

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.0 miles north of the FS 22/0-600 junction.

Site Comments:

Substrate is gravel/cobble mix. OHW=2.40m.

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: 5/10/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 4.30
OHW (m): 2.80
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 0.74

POTENTIAL HABITAT GAIN

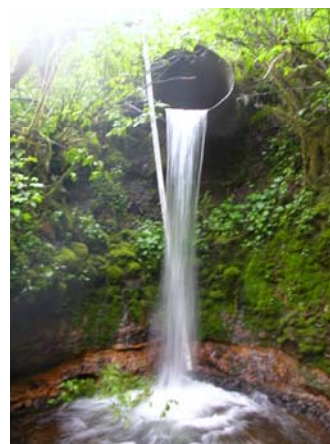
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.33
Rise (m): 1.33
Length (m): 45.98
Slope (%): 4.08
Bed Material: No
Outfall Drop (m): 3.20
WDIC (m): 0.07
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Culvert is beveled on DS end. Passability is most likely near 0%.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0404

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270.100
County: Grays Harbor
1/4 Section: SE
Section: 20
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37554
Longitude: -123.59536
WA state plane south (NAD 27, feet)
East: 1,233,538
North: 759,857

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Anderson Cr 22.0309
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters northeast of the FS 2270.100/2270 junction.

Site Comments:

Stream dry at time of sample. OHW=1.60m.

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: 5/10/2005
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBRQ
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.70
OHW (m): 2.40
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.70
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): 0.47
Rise (m): 0.47
Length (m): 6.01
Slope (%): 0.11
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

LBNA, stream dry at time of survey.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0405

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2270
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38512
Longitude: -123.59021
WA state plane south (NAD 27, feet)
East: 1,234,949
North: 763,299

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles north of the FS 2270/FS 2270.100 junction.

Site Comments:

OHW>0.60m. No defined stream channel with perennial growth throughout.

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: 5/10/2005
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): 0.67
Rise (m): 0.67
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0406

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	115
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.38645
Longitude:	-123.63114
WA state plane south (NAD 27, feet)	
East:	1,224,837
North:	764,184

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 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles northwest of the 115/110 junction.

Site Comments:

Gravel substrate with intermittent subsurface flows. OHW=2.05m.

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:	5/10/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	5.20
OHW (m)	3.50
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	1.70
Span/Toe Ratio	0.36

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)	9.57
Slope (%)	3.13
Bed Material	No
Outfall Drop (m)	0.00
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:

127Y0407

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 2294.100
County: Grays Harbor
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: Yes
FUP Criteria: Physical

Location / Directions:

Available maps inadequate to describe location. Information lost after site was sampled.

Site Comments:

Stream dry at time of sample. OHW=0.65m.

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: 5/10/2005
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): 0.60
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): 0.91
Rise (m): 0.91
Length (m): 8.96
Slope (%): 3.53
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No plunge pool, riffle at DS end of culvert.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0408

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39972
Longitude: -123.65226
WA state plane south (NAD 27, feet)
East: 1,219,802
North: 769,228

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.15 miles north of the FS 2294/FS 22 junction.

Site Comments:

Large catch basin US with culvert set above water level. A 2.5m cascade approximately 15m DS of culvert. OHW=4.0m. Confluence with Big Cr is 30m DS of site.

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: 5/18/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 5.20
OHW (m): 4.00
Max Depth (m): 0.80

CHANNEL DESCRIPTION

Toe Width (m): 2.50
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): 0.95
Rise (m): 0.95
Length (m): 16.45
Slope (%): 3.50
Bed Material: No
Outfall Drop (m): 2.30
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:

127Y0409

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2294
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 23N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.43102
Longitude: -123.64824
WA state plane south (NAD 27, feet)
East: 1,221,252
North: 780,597

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Big Cr 22.0312
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the FS 2294/FS 2294.580 junction.

Site Comments:

A 6.5m high waterfall directly US of site. Outfall of culvert is also a 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: 5/18/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.60
OHW (m): 3.00
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 0.45

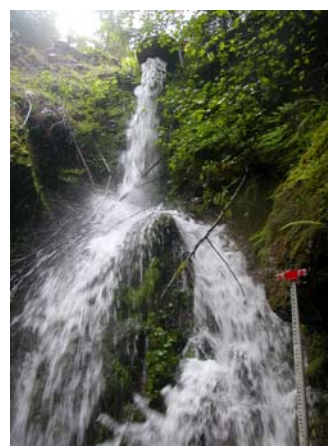
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.81
Rise (m): 0.80
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 7.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0410

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40073
Longitude: -123.67422
WA state plane south (NAD 27, feet)
East: 1,214,382
North: 769,814

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Big Cr 22.0313
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles southwest of the FS 2281/FS 2281.100

Site Comments:

High gradient stream. OHW=1.95m.

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: 5/19/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 2.90
OHW (m): 2.70
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.55
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): 1.24
Rise (m): 1.24
Length (m): 13.02
Slope (%): 10.20
Bed Material: No
Outfall Drop (m): 1.70
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:

127Y0411

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2281
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 22N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40120
Longitude: -123.67864
WA state plane south (NAD 27, feet)
East: 1,213,295
North: 770,030

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Big Cr 22.0313
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles west of the FS 2281/FS 2281.100 junction.

Site Comments:

NFB due to high gradient US/DS 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: 5/19/2005
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): 0.70
Span/Toe Ratio: 1.11

POTENTIAL HABITAT GAIN

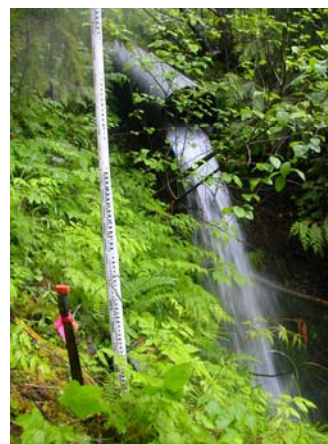
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.78
Rise (m): 0.78
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 3.50
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert has an extension attached to the DS end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0412

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04360
Longitude: -123.63636
WA state plane south (NAD 27, feet)
East: 1,218,575
North: 639,280

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0268
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located on the first eastbound spur off the Rayonier 4300 line. Approximately 0.75 miles East of the 4300/private spur junction.

Site Comments:

Stream channel is confined with high amounts of fines in substrate. OHW=1.50m.

SPECIES POTENTIAL

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

OWNER

Name: John Bocek
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/24/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m): 3.95
OHW (m): 2.20
Max Depth (m): 0.50

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): 1.24
Rise (m): 1.24
Length (m): 18.12
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.48
WDIC (m): 0.22
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

BF width=2.10m. WW=1.05m. Rd width=16m.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0413

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04346
Longitude: -123.63675
WA state plane south (NAD 27, feet)
East: 1,218,476
North: 639,233

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0268
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located on the first eastbound spur off the Rayonier 4300 line. Approximately 0.70 miles East of the 4300/private spur junction.

Site Comments:

Sporadic flows indicates possible blockage in pipe. OHW=0.50m.

SPECIES POTENTIAL

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

OWNER

Name: John Bocek
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/24/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.60
OHW (m): 0.60
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.45
Span/Toe Ratio: 1.40

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.44
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:

127Y0414

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Wynoochee-Wishkah Rd
County: Grays Harbor
1/4 Section: SE
Section: 32
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08656
Longitude: -123.70270
WA state plane south (NAD 27, feet)
East: 1,202,685
North: 655,603

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the Wynoochee-Wishkah Rd/Old Wynoochee Rd junction.

Site Comments:

OHW=0.60m.

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: 5/24/2005
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 1.25
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 0.60
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: CST
Span (m): 0.33
Rise (m): 0.33
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.29
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Culvert is recessed on US end, not able to complete level A survey.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0415

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Wynoochee-Wishkah Rd
County: Grays Harbor
1/4 Section: NE
Section: 32
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08760
Longitude: -123.70283
WA state plane south (NAD 27, feet)
East: 1,202,668
North: 655,983

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the Wynoochee-Wishkah Rd/Old Wynoochee Rd junction.

Site Comments:

OHW=0.45m.

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: 5/24/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.70
OHW (m): 0.50
Max Depth (m): 0.20

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): 0.71
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:

127Y0416

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Wynoochee-Wishkah Rd
County: Grays Harbor
1/4 Section: NE
Section: 32
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08958
Longitude: -123.70404
WA state plane south (NAD 27, feet)
East: 1,202,396
North: 656,717

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles north of the Wynoochee-Wishkah Rd/Old Wynoochee Rd junction.

Site Comments:

OHW=0.50m.

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: 5/24/2005
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): 0.40
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: PCC
Span (m): 0.37
Rise (m): 0.37
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.25
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0417

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Wey Co 600
County:	Grays Harbor
1/4 Section:	NE
Section:	21
Township:	19N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11985
Longitude:	-123.68130
WA state plane south (NAD 27, feet)	
East:	1,208,499
North:	667,519

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:	Helm Cr 22.0288
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.0 miles east of the Wey Co 600/Upper Donovan junction.

Site Comments:

OHW=1.50m.

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:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	4.20
OHW (m)	2.40
Max Depth (m)	0.35

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	CAL
Span (m)	1.24
Rise (m)	1.24
Length (m)	12.04
Slope (%)	2.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0418

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	unknown
County:	Grays Harbor
1/4 Section:	NW
Section:	22
Township:	19N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11975
Longitude:	-123.67046
WA state plane south (NAD 27, feet)	
East:	1,211,194
North:	667,371

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Available maps inadequate to describe location.

Site Comments:

Stream dry at time of sample. OHW=0.50m.

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:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.50
OHW (m)	1.50
Max Depth (m)	0.25

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)	0.42
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:

127Y0419

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7060
County:	Grays Harbor
1/4 Section:	SE
Section:	24
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19753
Longitude:	-123.60958
WA state plane south (NAD 27, feet)	
East:	1,227,459
North:	695,118

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:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.60 miles west of the 7060/FS 22 junction.

Site Comments:

Substrate contains high amounts of small gravel. OHW=1.20m.

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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	2.40
OHW (m)	3.30
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	1.15
Span/Toe Ratio	0.41

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.47
Rise (m)	0.47
Length (m)	17.92
Slope (%)	5.60
Bed Material	No
Outfall Drop (m)	2.60
WDIC (m)	0.05
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

US end of culvert is plugged with debris.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0420

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7145 D
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.21327
Longitude:	-123.61319
WA state plane south (NAD 27, feet)	
East:	1,226,788
North:	700,890

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:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles west of the 7145 D/7145 junction.

Site Comments:

Stream is seasonal with no water present at time of sample. OHW=1.10m. NPB 20 meters DS of 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	1.80
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.10
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)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.10
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:

127Y0421

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7145 D
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21287
Longitude: -123.61355
WA state plane south (NAD 27, feet)
East: 1,226,693
North: 700,747

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Schafer Cr 22.0294
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles west of the 7145/7145 D junction.

Site Comments:

NPB 5.5m high approximately 30 meters DS of site. OHW=1.50m.

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: 5/25/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.50
OHW (m): 2.30
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 1.40
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: CAL
Span (m): 0.79
Rise (m): 0.79
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:

127Y0422

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7148
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20713
Longitude:	-123.61381
WA state plane south (NAD 27, feet)	
East:	1,226,544
North:	698,658

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:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters southeast of the 7148/7140 junction.

Site Comments:

Abundance of gravel 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 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	2.60
OHW (m)	2.10
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	0.90
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)	0.61
Rise (m)	0.61
Length (m)	12.28
Slope (%)	5.30
Bed Material	No
Outfall Drop (m)	0.50
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:

127Y0423

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7400
County:	Grays Harbor
1/4 Section:	NW
Section:	18
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22193
Longitude:	-123.60733
WA state plane south (NAD 27, feet)	
East:	1,228,368
North:	703,988

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:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters east of the 7400/7406 junction.

Site Comments:

Culvert appears to be recently replaced. OHW=0.80m.

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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	2.10
Max Depth (m)	0.60

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.32

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.79
Rise (m)	0.79
Length (m)	11.85
Slope (%)	2.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Plunge pool appears to be excavated.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0424

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7310
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22888
Longitude:	-123.61611
WA state plane south (NAD 27, feet)	
East:	1,226,288
North:	706,607

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:	Schafer Cr 22.0294
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northeast of the 7310/7400 junction.

Site Comments:

OHW=2.40m.

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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	4.50
OHW (m)	3.40
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	1.50
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)	0.49
Rise (m)	0.49
Length (m)	7.24
Slope (%)	2.67
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

DS channel is excavated for approximately 20 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0425

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7406
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20779
Longitude:	-123.63442
WA state plane south (NAD 27, feet)	
East:	1,221,437
North:	699,101

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles south of the 7406/7405 junction.

Site Comments:

OHW=1.30m.

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:	4/30/2005
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)	2.00
Max Depth (m)	0.70

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.98

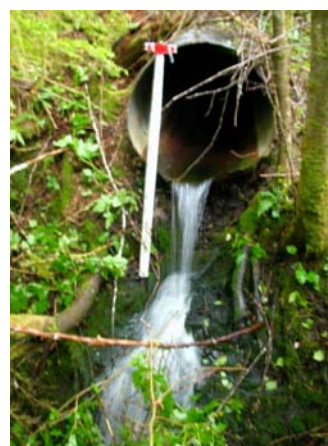
POTENTIAL HABITAT GAIN

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)	0.93
Length (m)	15.91
Slope (%)	3.16
Bed Material	No
Outfall Drop (m)	2.25
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:

127Y0426

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7517
County: Grays Harbor
1/4 Section: SW
Section: 26
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18346
Longitude: -123.64189
WA state plane south (NAD 27, feet)
East: 1,219,228
North: 690,308

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the 7517/7517-Z junction.

Site Comments:

OHW=0.50m.

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: 5/31/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.90
OHW (m): 0.55
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m): 0.35
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): 0.61
Rise (m): 0.61
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:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0427

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7517-Z
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 19N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16472
Longitude: -123.64622
WA state plane south (NAD 27, feet)
East: 1,217,880
North: 683,521

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 7517-Z/7510 junction.

Site Comments:

No defined stream channel, completely vegetated. Large wetland US of site. OHW>0.60m.

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: 5/31/2005
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): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert is set above OHW acting as overflow. No measurable plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0428

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7407
County:	Grays Harbor
1/4 Section:	NW
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20762
Longitude:	-123.64234
WA state plane south (NAD 27, feet)	
East:	1,219,467
North:	699,118

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters southeast of the 7405/7407 junction.

Site Comments:

Small stream system with US spring as source. OHW=0.80m.

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:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	1.80
OHW (m)	1.60
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	0.60
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	CAL
Span (m)	0.61
Rise (m)	0.61
Length (m)	17.89
Slope (%)	7.90
Bed Material	No
Outfall Drop (m)	0.45
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:

127Y0429

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7407
County: Grays Harbor
1/4 Section: NW
Section: 23
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20689
Longitude: -123.64211
WA state plane south (NAD 27, feet)
East: 1,219,514
North: 698,849

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 7405/7407 junction.

Site Comments:

OHW=0.35m.

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: 6/2/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.70
OHW (m): 0.70
Max Depth (m): 0.15

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): 0.50
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:

127Y0430

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7407
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20606
Longitude:	-123.63994
WA state plane south (NAD 27, feet)	
East:	1,220,041
North:	698,525

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles southeast of the 7405/7407 junction.

Site Comments:

High spring influence US of culvert.
OHW=1.10m.

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:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	1.60
OHW (m)	1.40
Max Depth (m)	0.20

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)	0.61
Length (m)	17.90
Slope (%)	10.20
Bed Material	No
Outfall Drop (m)	0.35
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:

127Y0431

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7407
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20367
Longitude:	-123.63777
WA state plane south (NAD 27, feet)	
East:	1,220,545
North:	697,633

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:	Wynoochee R 22.0311
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles southeast of the 7407/7405 junction.

Site Comments:

DS channel has some braiding. OHW=1.20m.

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:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

PLUNGE POOL DESCRIPTION

Length (m)	3.40
OHW (m)	3.10
Max Depth (m)	0.35

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)	21.12
Slope (%)	6.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

DS end of culvert is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0432

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7407
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 20N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20382
Longitude: -123.63593
WA state plane south (NAD 27, feet)
East: 1,221,004
North: 697,669

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Wynoochee R 22.0311
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles southeast of the 7405/7407 junction.

Site Comments:

OHW=0.30m.

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: 6/2/2005
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.00
OHW (m): 0.65
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.25
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: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0433

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private logging road
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 17N
Range: 09W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98565
Longitude: -123.79226
WA state plane south (NAD 27, feet)
East: 1,178,876
North: 619,803

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Wilson Creek
Tributary To: Chehalis 22.0190
WRIA: 22.0236
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Private logging road is located approximately 0.2 miles N of Pioneer Avenue and Fairfield Street junction, in very sharp corner on E side of Fairfield Street behind green gate. Water

Site Comments:

Landuse surrounding site is forestry. Juvenile fish observed downstream of culvert, unable to identify species.

SPECIES POTENTIAL

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

OWNER

Name: William and Ellen Pickell
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/23/2007
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope; outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 10.50
OHW (m): 6.50
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m): 1.90
Span/Toe Ratio: 1.47

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): 1.40
Length (m): 21.76
Slope (%): -1.80
Bed Material: No
Outfall Drop (m): 0.25
WDIC (m): 0.07
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Pipe 1.2 is on left bank. Culvert is sloped inversely and rusted out at outlet. Mouth of culvert plugged with sediment and debris, only half of mouth is visible. Majority of water passes through pipe 1.2.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127Y0433

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.40
Rise (m)	1.40
Length (m)	21.08
Slope (%)	-3.90
Bed Material	No
Outfall Drop (m)	0.26
WDIC (m)	0.07
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank. Culvert is sloped inversely and rusted out at outlet. Mouth of culvert is submerged and almost completely clogged with sediment and debris.

