

Satsop Drainage - Barrier Inventory Results

Total sites inventoried = 455

Fish use of 455 inventoried sites

Yes, fish bearing = 235

No, non fish bearing = 211

Unable to determine fish use status = 9

Barrier status of 244 fish bearing sites (*Fish use = yes and unknown*)

Yes, a barrier = 161

No, not a barrier = 39

Unable to determine barrier status = 44

Percent passable of 161 Barrier Sites

0% passable, total barrier = 9

33% passable, severe barrier = 93

67% passable, partial barrier = 59

Ownership of 161 Fish Bearing, Barrier Sites

Private = 10

Municipal = 17

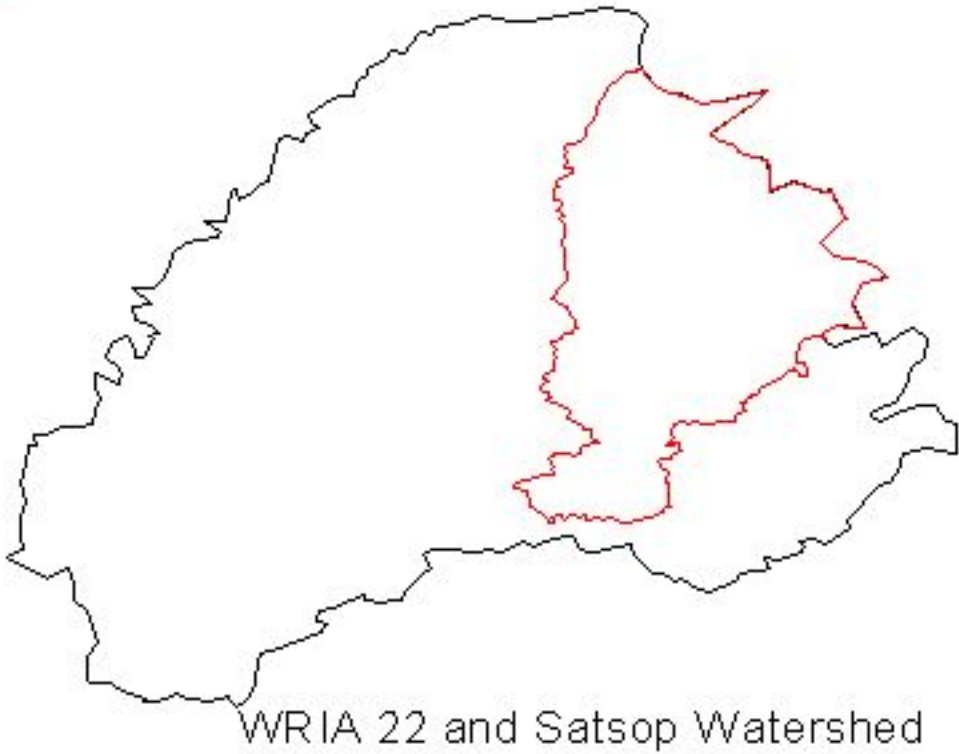
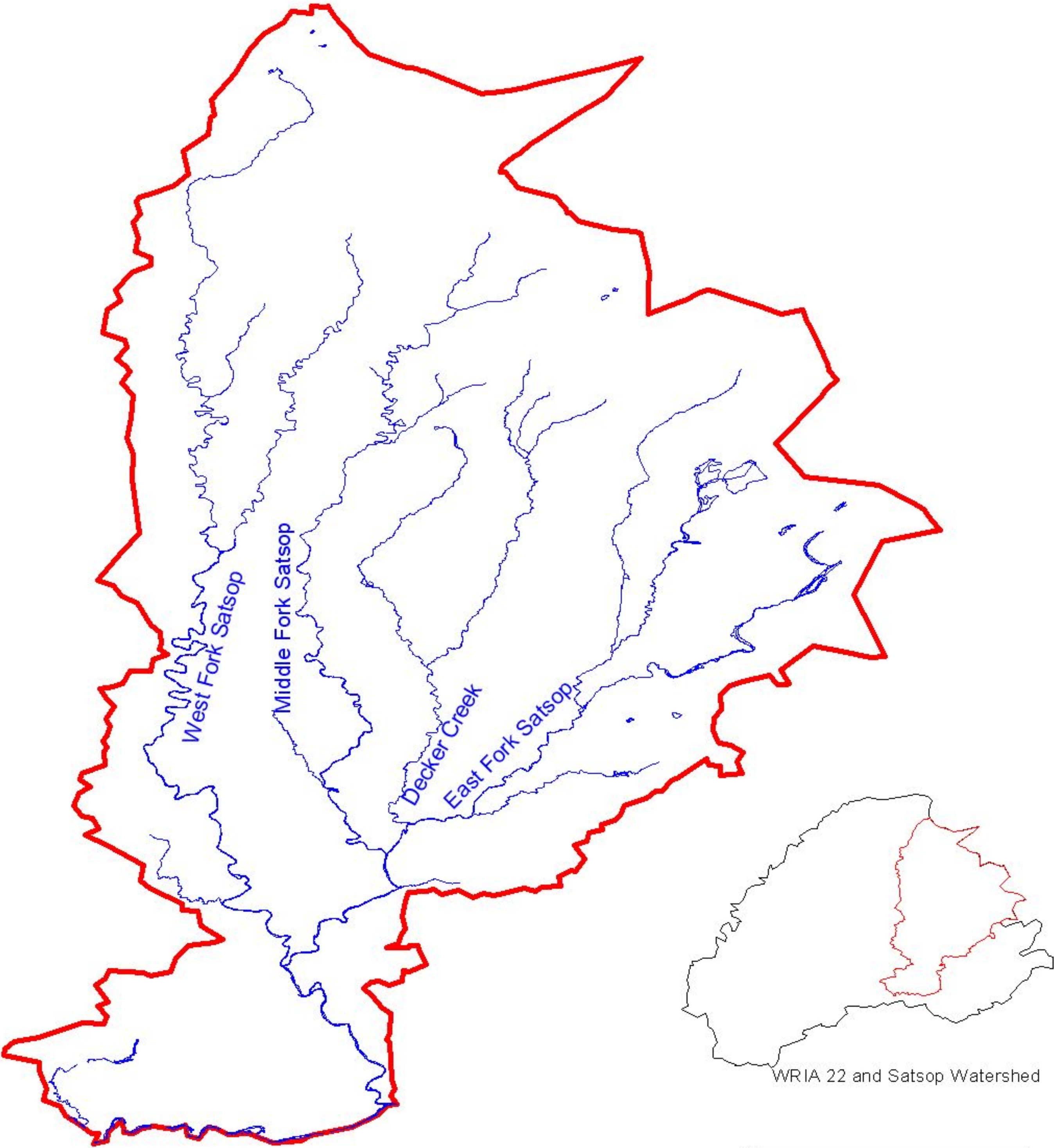
County = 27

State = 0

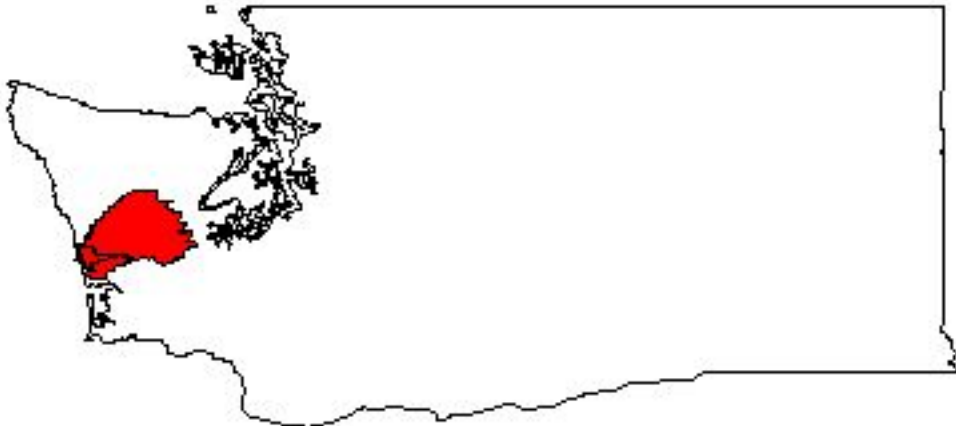
Federal = 27

Timber Companies = 80


Satsop Watershed




WRIA 22 and Satsop Watershed



WRIA 22 and Washington State

 Major streams

 Satsop Watershed Boundary

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0001

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6900
County:	Grays Harbor
1/4 Section:	NW
Section:	34
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.17738
Longitude:	-123.54963
WA state plane south (NAD 27, feet)	
East:	1,242,067
North:	687,191

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Singer Cr 22.0375
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the 6900 line/Cougar Smith Rd junction.

Site Comments:

Several hay bales downstream for erosion control. Confluence with Singer Creek 20 meters downstream. Stream at minimum physical requirements for fish bearing.

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:	6/16/2003
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.20
OHW (m)	1.10
Max Depth (m)	0.50

CHANNEL DESCRIPTION

Toe Width (m)	0.55
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	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	9.07
Slope (%)	5.07
Bed Material	No
Outfall Drop (m)	0.50
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:

127S0002

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6900
County:	Grays Harbor
1/4 Section:	NW
Section:	34
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18023
Longitude:	-123.54933
WA state plane south (NAD 27, feet)	
East:	1,242,182
North:	688,228

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Singer Cr 22.0375
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.40 miles north of the 6900 Line/Cougar Smith Rd junction.

Site Comments:

Small stream appears to have large seasonal variation in flows. OHW = 1.4 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:	6/16/2003
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.82
OHW (m)	1.72
Max Depth (m)	0.16

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	0.56

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.59
Length (m)	7.36
Slope (%)	6.60
Bed Material	No
Outfall Drop (m)	0.83
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.80
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0003

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6900
County:	Grays Harbor
1/4 Section:	SW
Section:	27
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18446
Longitude:	-123.54882
WA state plane south (NAD 27, feet)	
East:	1,242,366
North:	689,764

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Singer Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0375
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 0.70 miles north of the 6900 Line/Cougar Smith Rd junction.

Site Comments:

Juvenile coho observed in plunge pool. OHW = 1.20 meters.

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/16/2003
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.02
OHW (m)	3.49
Max Depth (m)	0.62

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:	1.2
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	11.42
Slope (%)	-1.11
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.34
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert 1.2 is located on left bank and is sloped inversely. Downstream end of pipes are corrugated aluminum.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0003

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	11.20
Slope (%)	1.63
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.34
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank.
Downstream end of pipe is corrugated aluminum.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0004

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6970
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18933
Longitude: -123.55015
WA state plane south (NAD 27, feet)
East: 1,242,105
North: 691,550

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Singer Cr 22.0375
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles northwest of the 6970/6900 line junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/16/2003
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): 0.62
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.52
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:

127S0005

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6973
County:	Grays Harbor
1/4 Section:	NW
Section:	27
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19396
Longitude:	-123.54972
WA state plane south (NAD 27, feet)	
East:	1,242,277
North:	693,235

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Singer Cr 22.0375
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters southeast of the 6973/6970 junction.

Site Comments:

Large beaver dam/wetland upstream.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/16/2003
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	UD
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.04
OHW (m)	1.56
Max Depth (m)	0.05

CHANNEL DESCRIPTION

Toe Width (m)	0.52
Span/Toe Ratio	1.42

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.76
Length (m)	7.43
Slope (%)	-0.67
Bed Material	Yes
Outfall Drop (m)	0.02
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0006

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6973
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19362
Longitude: -123.54673
WA state plane south (NAD 27, feet)
East: 1,243,015
North: 693,081

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Singer Cr 22.0375
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southeast of the 6973/6970 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: 6/16/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.22
OHW (m): 2.60
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 0.51
Span/Toe Ratio: 1.16

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.59
Rise (m): 0.59
Length (m): 10.40
Slope (%): 2.91
Bed Material: No
Outfall Drop (m): 0.27
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.10
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0007

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6973
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19302
Longitude: -123.54607
WA state plane south (NAD 27, feet)
East: 1,243,171
North: 692,858

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Singer Cr 22.0375
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles southeast of the 6973/6970 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/16/2003
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): 0.42
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.08
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.25
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0008

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6975
County:	Grays Harbor
1/4 Section:	NW
Section:	27
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19744
Longitude:	-123.54719
WA state plane south (NAD 27, feet)	
East:	1,242,956
North:	694,480

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Singer Cr 22.0375
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 40 meters east of the 6975/6970 junction.

Site Comments:

Beaver pond upstream of site. OHW = 0.60 meters.

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/16/2003
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)	0.53
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)	0.60
Rise (m)	0.59
Length (m)	12.54
Slope (%)	4.73
Bed Material	No
Outfall Drop (m)	0.08
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0009

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6980
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19142
Longitude: -123.55605
WA state plane south (NAD 27, feet)
East: 1,240,669
North: 692,371

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles northwest of the 6980/6970 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/16/2003
Field Crew: Glore/Blatt
Barrier:
Passability (%)
Method
Repair Status
Problem

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.60
Rise (m): 0.60
Length (m)
Slope (%)
Bed Material: No
Outfall Drop (m): 0.16
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.80
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0010

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6980
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19454
Longitude: -123.55912
WA state plane south (NAD 27, feet)
East: 1,239,950
North: 693,535

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.90 miles northwest of the 6980/6970 junction.

Site Comments:

Substrate is clay hardpan downstream of site.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/16/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.67
OHW (m): 4.24
Max Depth (m): 0.28

CHANNEL DESCRIPTION

Toe Width (m): 2.70
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): 1.01
Rise (m): 1.05
Length (m): 9.48
Slope (%): 2.00
Bed Material: No
Outfall Drop (m): 0.03
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:

127S0011

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6980
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19615
Longitude: -123.55979
WA state plane south (NAD 27, feet)
East: 1,239,807
North: 694,128

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile northwest of the 6980/6970 junction.

Site Comments:

Large beaver dam/wetlands upstream of site.
OHW = 2.05 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: 6/16/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.00
OHW (m): 1.60
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.95
Span/Toe Ratio: 1.02

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.3
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 7.55
Slope (%): 3.18
Bed Material: No
Outfall Drop (m): 0.27
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert 1.3 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0011

Fish Use: Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.3
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	7.48
Slope (%)	5.70
Bed Material	No
Outfall Drop (m)	0.04
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 2.3 is located in the center.



CULVERT DESCRIPTION

Sequencer:	3.3
Shape	RND
Material	CST
Span (m)	0.77
Rise (m)	0.77
Length (m)	7.44
Slope (%)	2.37
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert 3.3 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0012

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad grade
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97913
Longitude: -123.59333
WA state plane south (NAD 27, feet)
East: 1,228,371
North: 615,363

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: Mapped

Location / Directions:

Water crossing is approximately 45 meters southeast of the E Pioneer Ave/Academy St intersection.

Site Comments:

10 meters downstream of 127Y0027, beneath railroad grade.

SPECIES POTENTIAL

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

OWNER

Name: Sierra Pacific
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/24/2005
Field Crew: Blatt/Lutz/Randall
Barrier: Unk
Passability (%):
Method: LA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.84
Span/Toe Ratio: 1.01

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: ARCH
Material: CPC
Span (m): 1.85
Rise (m): 1.74
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.78
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Unable to complete level A due to horizontal bends in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0013

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7064
County:	Grays Harbor
1/4 Section:	NW
Section:	20
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20932
Longitude:	-123.59190
WA state plane south (NAD 27, feet)	
East:	1,232,019
North:	699,242

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0376
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles northeast of the 7064/FS 22 junction.

Site Comments:

Subsurface flows 10 meters downstream.
OHW = 0.5 meters.

SPECIES POTENTIAL

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

OWNER

Name:	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)	2.40
OHW (m)	1.30
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0014

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6900
County:	Grays Harbor
1/4 Section:	SW
Section:	27
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18616
Longitude:	-123.54670
WA state plane south (NAD 27, feet)	
East:	1,242,917
North:	690,361

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Singer Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0375
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 50 meters northeast of the 6900/6970 junction.

Site Comments:

Juvenile coho seen upstream of culvert.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2003
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.50
OHW (m)	4.53
Max Depth (m)	0.87

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	1.42

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.66
Length (m)	8.23
Slope (%)	3.13
Bed Material	No
Outfall Drop (m)	0.14
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.25
Tidegate	No

Culvert Comments:

Culvert 1.2 is located on left bank. Beaver dam at upstream end of culvert making passage difficult. Road beginning to fail on upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0014

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.76
Rise (m)	0.77
Length (m)	12.35
Slope (%)	4.37
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.25
Tidegate	No

Culvert Comments:

Culvert 2.2 seems to be overflow, but elevation is similar to 1.2. Upstream end is dry with a pool of sitting water.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0015

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 500
County: Grays Harbor
1/4 Section: NE
Section: 36
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27037
Longitude: -123.51556
WA state plane south (NAD 27, feet)
East: 1,251,830
North: 720,758

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Wildcat Cr
Tributary To: Canyon R 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.40 miles northwest of the 500/501 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:

Substrate is cobble/gravel mix. Debris on upstream end of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 8.90
OHW (m): 8.80
Max Depth (m): 1.26

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m): 4.30
Span/Toe Ratio: 0.42

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.80
Rise (m): 1.82
Length (m): 79.40
Slope (%): 4.16
Bed Material: No
Outfall Drop (m): 0.71
WDIC (m): 0.06
Apron: No
Fill Depth (m): 22.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0016

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09721
Longitude: -123.55694
WA state plane south (NAD 27, feet)
East: 1,239,118
North: 658,041

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.75 miles northeast of the Still Cr bridge.

Site Comments:

Confluence with WF Satsop approximately 100 meters downstream from 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: 6/17/2003
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 6.53
OHW (m): 4.50
Max Depth (m): 0.91

CHANNEL DESCRIPTION

Toe Width (m): 1.34
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): 0.74
Rise (m): 0.76
Length (m): 14.59
Slope (%): 1.28
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.65
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Level B completed on 10/040/04.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0017

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04273
Longitude: -123.52982
WA state plane south (NAD 27, feet)
East: 1,245,104
North: 637,925

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

Stream flows next to road for 15 meters upstream of site.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.65
OHW (m): 3.15
Max Depth (m): 0.90

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: PCC
Span (m): 1.08
Rise (m): 1.08
Length (m): 18.87
Slope (%): 1.27
Bed Material: No
Outfall Drop (m): 0.63
WDIC (m): 0.30
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0018

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	West Satsop Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04396
Longitude:	-123.53172
WA state plane south (NAD 27, feet)	
East:	1,244,648
North:	638,394

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 Satsop 22.0364
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2003
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	PCC
Span (m)	0.29
Rise (m)	0.29
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Upstream end of culvert is buried.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0019

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04560
Longitude: -123.53245
WA state plane south (NAD 27, feet)
East: 1,244,489
North: 638,996

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.15
OHW (m): 0.85
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.70
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: PCC
Span (m): 0.32
Rise (m): 0.32
Length (m): 12.39
Slope (%): 2.58
Bed Material: No
Outfall Drop (m): 0.22
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0020

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	West Satsop Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	15
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.04775
Longitude:	-123.53278
WA state plane south (NAD 27, feet)	
East:	1,244,437
North:	639,785

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

Small marsh upstream of culvert.

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/7/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	0.85
OHW (m)	0.65
Max Depth (m)	0.10

CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	0.31

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.31
Rise (m)	0.31
Length (m)	13.14
Slope (%)	8.50
Bed Material	No
Outfall Drop (m)	0.12
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0021

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04888
Longitude: -123.53265
WA state plane south (NAD 27, feet)
East: 1,244,486
North: 640,196

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0365
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.55 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

Wet crossing 15 meters downstream of site.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/4/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: velocity; depth

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 1.75
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 1.40
Span/Toe Ratio: 0.45

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.63
Rise (m): 0.63
Length (m): 12.78
Slope (%): 2.58
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 1.30
Tidegate: No

Culvert Comments:

Level B completed 10/04/04.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0022

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05571
Longitude: -123.53585
WA state plane south (NAD 27, feet)
East: 1,243,783
North: 642,714

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.10 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

Downstream flows into ditch drainage. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.30
Rise (m): 0.30
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0023

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05675
Longitude: -123.53751
WA state plane south (NAD 27, feet)
East: 1,243,384
North: 643,111

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.15 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

Downstream flows along road for 40 meters.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.95
OHW (m): 3.60
Max Depth (m): 0.60

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: PCC
Span (m): 0.49
Rise (m): 0.49
Length (m): 10.42
Slope (%): 3.70
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 1.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0024

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05789
Longitude: -123.54036
WA state plane south (NAD 27, feet)
East: 1,242,691
North: 643,551

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.35 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.25
OHW (m): 3.30
Max Depth (m): 0.63

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): 11.52
Slope (%): 2.90
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0025

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05918
Longitude: -123.54293
WA state plane south (NAD 27, feet)
East: 1,242,068
North: 644,049

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.50 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

No defined channel downstream of culvert.
OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
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: PCC
Span (m): 0.25
Rise (m): 0.25
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:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0026

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.05935
Longitude: -123.54383
WA state plane south (NAD 27, feet)
East: 1,241,846
North: 644,118

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.55 miles northwest of the W Satsop Rd/Brady Satsop Rd junction.

Site Comments:

Stream is flowing subsurface at intervals upstream of site.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.65
OHW (m): 3.50
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 0.90
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): 0.63
Rise (m): 0.63
Length (m): 28.85
Slope (%): 6.50
Bed Material: No
Outfall Drop (m): 1.85
WDIC (m): 0.02
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Passability is most likely near zero percent.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0027

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: NW
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06073
Longitude: -123.55086
WA state plane south (NAD 27, feet)
East: 1,240,115
North: 644,688

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.0 miles northwest of the W Satsop Rd/Brady Satsop 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
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:

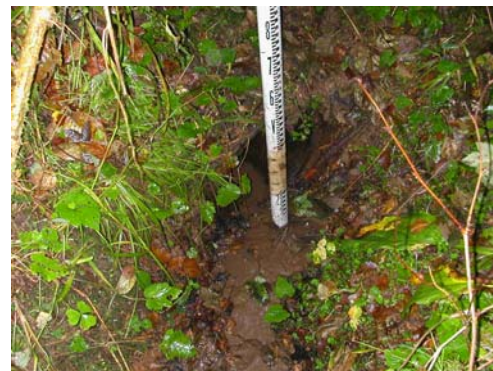
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: SST
Span (m): 0.48
Rise (m): 0.48
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:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0028

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07182
Longitude: -123.54598
WA state plane south (NAD 27, feet)
East: 1,241,488
North: 648,684

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles northeast of the Still Cr bridge.

SPECIES POTENTIAL

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

Site Comments:

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

Length (m): 1.35
OHW (m): 0.95
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.75
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: PCC
Span (m): 0.33
Rise (m): 0.33
Length (m): 12.46
Slope (%): 0.64
Bed Material: No
Outfall Drop (m): 0.12
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:

127S0029

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07280
Longitude: -123.54799
WA state plane south (NAD 27, feet)
East: 1,241,001
North: 649,061

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.95 miles northeast of the Still Cr bridge.

Site Comments:

Perennial vegetation present in channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Papac, Jerrold & Lora E.
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
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: CAL
Span (m): 0.47
Rise (m): 0.53
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:

127S0030

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07525
Longitude: -123.54971
WA state plane south (NAD 27, feet)
East: 1,240,608
North: 649,971

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles northeast of the Still Cr bridge.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.15
OHW (m): 2.20
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 0.55
Span/Toe Ratio: 0.60

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.33
Rise (m): 0.33
Length (m): 10.77
Slope (%): 2.50
Bed Material: No
Outfall Drop (m): 1.10
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Stream enters confluence of WF Satsop 30 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0031

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07875
Longitude: -123.55072
WA state plane south (NAD 27, feet)
East: 1,240,404
North: 651,255

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.40 miles northeast of the Still Cr bridge.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.40
OHW (m): 3.10
Max Depth (m): 0.60

CHANNEL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m): 20.71
Slope (%): 7.60
Bed Material: No
Outfall Drop (m): 0.33
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Gradient break on downstream end of culvert, last 2 sections of pipe is detached.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0032

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: NE
Section: 4
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08309
Longitude: -123.55292
WA state plane south (NAD 27, feet)
East: 1,239,919
North: 652,858

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.75 miles northeast of the Still Cr bridge.

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: 10/7/2003
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 0.70
OHW (m): 1.20
Max Depth (m): 0.22

CHANNEL DESCRIPTION

Toe Width (m): 1.20
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): 0.64
Rise (m): 0.64
Length (m): 14.46
Slope (%): 4.50
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Plunge pool is influence by LWD downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0033

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SE
Section: 33
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08859
Longitude: -123.55565
WA state plane south (NAD 27, feet)
East: 1,239,315
North: 654,887

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.15 miles northeast of the Still Cr bridge.

Site Comments:

No defined stream channel downstream of culvert. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
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: PCC
Span (m): 0.31
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m):
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:

Downstream has no defined channel, unable to measure toe or OHW.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0034

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09238
Longitude: -123.55712
WA state plane south (NAD 27, feet)
East: 1,239,004
North: 656,283

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.45 miles northeast of the Still Cr bridge.

Site Comments:

Excavated ditch delivery. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
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:

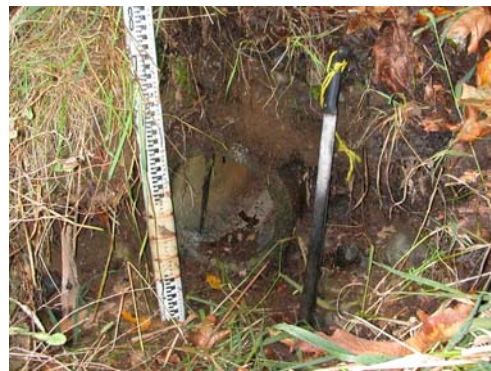
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.31
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.25
WDIC (m):
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0035

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: West Satsop Rd
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10061
Longitude: -123.55857
WA state plane south (NAD 27, feet)
East: 1,238,760
North: 659,296

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.0 miles northeast of the Still Cr bridge.

Site Comments:

Natural point barrier downstream. No defined stream channel upstream.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 10/7/2003
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m): 0.02
Apron:
Fill Depth (m):
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0036

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-3700
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10881
Longitude: -123.57937
WA state plane south (NAD 27, feet)
East: 1,233,700
North: 662,487

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the D-3700/D-line junction.

Site Comments:

No defined stream channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.40
Rise (m): 0.41
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Not able to obtain toe or OHW due to no water present and no defined stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0037

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-3700
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11129
Longitude: -123.57835
WA state plane south (NAD 27, feet)
East: 1,233,988
North: 663,382

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles north of the D-3700/D-line junction.

Site Comments:

Downstream channel is deep and looks to have high velocities during fall flows. OHW = 0.29 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: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No plunge pool or toe measurements due to lack of water and no defined channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0038

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-3700
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11151
Longitude: -123.57766
WA state plane south (NAD 27, feet)
East: 1,234,164
North: 663,453

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the D-3700/D-line junction.

Site Comments:

No water present at time of sample. OHW = 0.29 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: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
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 seems to be newly installed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0039

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-4400
County: Grays Harbor
1/4 Section: NW
Section: 20
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12006
Longitude: -123.58351
WA state plane south (NAD 27, feet)
East: 1,232,829
North: 666,627

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the D-4400/D-line junction.

Site Comments:

Perennial growth throughout stream channel.
OHW = 0.37 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: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.30
Span/Toe Ratio: 2.03

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: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.21
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Stream channel excavated upstream and downstream. Culvert passes level A analysis.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0040

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-4420
County: Grays Harbor
1/4 Section: SW
Section: 20
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11865
Longitude: -123.58532
WA state plane south (NAD 27, feet)
East: 1,232,359
North: 666,132

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the D-4400/D-4420 junction.

Site Comments:

Stream channel is braided and has no water present at time of sample. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0041

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-4000
County: Grays Harbor
1/4 Section: SE
Section: 18
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12604
Longitude: -123.59503
WA state plane south (NAD 27, feet)
East: 1,230,049
North: 668,921

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Still Cr 22.0366
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles east of the D-4400/D-4420 junction.

Site Comments:

Downstream channel has perennial growth throughout. Upstream is wetland habitat with small pond. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0042

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-5000
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13171
Longitude: -123.58670
WA state plane south (NAD 27, feet)
East: 1,232,202
North: 670,906

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unname 22.0374
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is located at the D-5000/ D-5100 junction.

Site Comments:

Sighted juveniles coho upstream of culvert.
OHW = 1.40 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: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 2.05
Span/Toe Ratio: 1.02

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 2.10
Rise (m): 1.56
Length (m): 15.18
Slope (%): 1.34
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Upstream end of culvert is beveled. Tributary enters confluence with larger stream 10 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0043

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-5000
County: Grays Harbor
1/4 Section: SW
Section: 17
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13192
Longitude: -123.58620
WA state plane south (NAD 27, feet)
East: 1,232,331
North: 670,977

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0374
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is immediately north of the D-5000/D-5100 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:

Abundant LWD in stream channel. Coho fry at site.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m): 7.10
OHW (m): 6.51
Max Depth (m): 1.04

CHANNEL DESCRIPTION

Toe Width (m): 2.29
Span/Toe Ratio: 1.48

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 3.39
Rise (m): 2.06
Length (m): 16.71
Slope (%): -3.62
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Upstream end of culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0044

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06600
Longitude: -123.56157
WA state plane south (NAD 27, feet)
East: 1,237,523
North: 646,711

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Still Cr 22.0366
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the W Satsop Rd/D-line junction.

Site Comments:

Tributary dry at time of sample. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.91
OHW (m): 1.44
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
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): 0.71
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Dry tributary flows into confluence of Still Cr approximately 65 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0045

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06724
Longitude: -123.56654
WA state plane south (NAD 27, feet)
East: 1,236,303
North: 647,211

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Still Cr 22.0366
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.55 miles northwest of the W Satsop Rd/D-line junction.

Site Comments:

Substrate is mostly cobble. Observed lamp ray in stream.

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: 5/10/2004
Field Crew: Blatt/Schuetzler
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 3.23
Max Depth (m): 0.53

CHANNEL DESCRIPTION

Toe Width (m): 1.11
Span/Toe Ratio: 1.39

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.54
Rise (m): 1.53
Length (m): 11.20
Slope (%): 4.39
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.08
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Upstream end of culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0046

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: CC-line
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04629
Longitude: -123.53389
WA state plane south (NAD 27, feet)
East: 1,244,139
North: 639,264

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the W Satsop Rd/CC-line junction.

Site Comments:

Braided wetlands downstream. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Lloyd Foss & Elizabeth Perry
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/11/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.29
Span/Toe Ratio: 1.28

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.37
Rise (m): 0.36
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.94
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Downstream end of culvert is deformed. No plunge pool due to outfall drops is directly onto large cobble.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0047

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: CC-line
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04040
Longitude: -123.53814
WA state plane south (NAD 27, feet)
East: 1,242,998
North: 637,158

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.50 miles south of the W Satsop Rd/CC-line junction.

Site Comments:

Abundant LWD in stream channel. OHW = 1.65 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: 5/11/2004
Field Crew: Blatt/Schuetzler
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.89
OHW (m): 2.08
Max Depth (m): 0.36

CHANNEL DESCRIPTION

Toe Width (m): 0.79
Span/Toe Ratio: 1.47

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: ELL
Material: CST
Span (m): 1.16
Rise (m): 1.31
Length (m): 13.67
Slope (%): 7.34
Bed Material: No
Outfall Drop (m): 1.09
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:

127S0048

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2000
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10154
Longitude: -123.53157
WA state plane south (NAD 27, feet)
East: 1,245,492
North: 659,377

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0369
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles east of the A-2000/A-line junction.

Site Comments:

Subsurface flow 20 meters downstream of culvert. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/11/2004
Field Crew: Blatt/Schuetzer
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert has an extension.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0049

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2000
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10136
Longitude: -123.53362
WA state plane south (NAD 27, feet)
East: 1,244,979
North: 659,330

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0369
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.65 miles east of the A-2000/A-line junction.

Site Comments:

OHW = 1.96 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: 5/11/2004
Field Crew: Blatt/Schuetzler
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.17
Span/Toe Ratio: 1.40

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.64
Rise (m): 1.32
Length (m): 11.09
Slope (%): 0.50
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.27
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Upstream end of culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0050

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-2000
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10473
Longitude: -123.54085
WA state plane south (NAD 27, feet)
East: 1,243,226
North: 660,627

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0371
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.5 miles northeast of the A-line/A-2000 junction.

Site Comments:

Small debris pile at downstream end of culvert.
OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/11/2004
Field Crew: Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.52
Span/Toe Ratio: 1.17

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
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): 2.00
Tidegate: No

Culvert Comments:

No plunge pool measurements due to wetlands influence downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0051

Fish Use: Yes

PI:

21.20

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	G-1100
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.06241
Longitude:	-123.54067
WA state plane south (NAD 27, feet)	
East:	1,242,678
North:	645,202

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 1.6 miles southwest of the G-line/G-1100 junction.

Site Comments:

Coho fry at site. Limited livestock access 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:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/11/2004
Field Crew:	Blatt/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)	0.95
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)	0.91
Rise (m)	0.91
Length (m)	12.27
Slope (%)	6.87
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Plunge pool is modified for limited livestock watering access.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0052

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Muller Rd
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17279
Longitude: -123.55017
WA state plane south (NAD 27, feet)
East: 1,241,867
North: 685,523

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Singer Cr 22.0375
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 75 meters south of the Cougar Smith Rd/Muller Rd junction.

Site Comments:

Wetlands upstream of site. OHW = 1.10 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: 5/12/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 4.45
OHW (m): 4.15
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 0.55
Span/Toe Ratio: 1.75

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.96
Rise (m): 0.96
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.95
WDIC (m): 0.10
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Not able to obtain upstream laser shots, but culvert has large out fall drop. Upstream end of culvert is covered by beaver dam.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0053

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16212
Longitude: -123.54923
WA state plane south (NAD 27, feet)
East: 1,241,950
North: 681,627

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Smith Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0418
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 100 meters southeast of the A-line/unmarked spur road junction.

Site Comments:

Stream has wetland influence with large pool on downstream end of culvert. OHW > 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m): 6.75
OHW (m): 4.10
Max Depth (m): 0.60

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.76
Length (m): 8.52
Slope (%): 3.17
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Stream width measurements not obtainable due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0054

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15962
Longitude: -123.54355
WA state plane south (NAD 27, feet)
East: 1,243,326
North: 680,659

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0417
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.40 miles southeast of the A-line/unmarked spur road junction.

Site Comments:

Beaver activity present at site. Coho fry sighted in stream. OHW = 1.60 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: 5/12/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 9.67
OHW (m): 5.20
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 0.85
Span/Toe Ratio: 1.95

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.66
Rise (m): 1.07
Length (m): 9.84
Slope (%): -2.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:

Both ends of culvert are beveled. Culvert has gradient barrier cause by 2 pipes sections set improperly, but seems to be functioning adequately. Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0055

Fish Use: No

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: unknown spur
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15903
Longitude: -123.54001
WA state plane south (NAD 27, feet)
East: 1,244,199
North: 680,412

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0417
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles southeast of the A-line/unmarked spur road junction.

Site Comments:

No defined stream channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2004
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: CST
Span (m): 0.47
Rise (m): 0.47
Length (m): 6.99
Slope (%): 1.48
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0056

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Muller Rd
County: Grays Harbor
1/4 Section: NE
Section: 4
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16403
Longitude: -123.55336
WA state plane south (NAD 27, feet)
East: 1,240,950
North: 682,361

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0418
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.75 miles south of the Cougar Smith Rd/Muller Rd junction.

Site Comments:

Wetland habitat upstream and downstream of site.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.31
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.35
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Not able to obtain OHW or plunge pool due to wetlands. Not able to complete Level A due to backwater on upstream end of culvert, intake not accessible.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0057

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 0.70 miles south of the Cougar Smith Rd/Muller Rd junction.

Site Comments:

Wetlands upstream and downstream. OHW > 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:
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:

Unable to obtain OHW or toe due to wetland area with no defined channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0058

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 1.85 miles south of the Muller Rd/Cougar Smith Rd junction.

Site Comments:

Tributary is dry at time of sample. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:
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 covered by debris and there is no water present.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0059

Fish Use:

Unk

PI:

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-line.
County: Grays Harbor
1/4 Section: SE
Section: 4
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15999
Longitude: -123.55237
WA state plane south (NAD 27, feet)
East: 1,241,139
North: 680,881

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0418
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles south of the Muller Rd/A-line junction.

Site Comments:

Stream channel is covered in sedges.

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: 5/12/2004
Field Crew: Glore/Blatt
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): 0.64
Rise (m): 0.58
Length (m): 12.37
Slope (%): 5.52
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Not able to obtain stream width measurements due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0060

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-line
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15653
Longitude: -123.55155
WA state plane south (NAD 27, feet)
East: 1,241,294
North: 679,610

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the Muller Rd/A-line junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m): 5.30
OHW (m): 3.55
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.54
Rise (m): 0.56
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.48
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:

127S0061

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 4420
County: Grays Harbor
1/4 Section: NW
Section: 10
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15359
Longitude: -123.54593
WA state plane south (NAD 27, feet)
East: 1,242,650
North: 678,485

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 300 meters east of the 4420/A-line junction.

Site Comments:

Ephemeral wetlands upstream and downstream of site. 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: 5/14/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.27
OHW (m): 1.09
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.29
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:

127S0062

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	A-line
County:	Grays Harbor
1/4 Section:	NW
Section:	10
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15184
Longitude:	-123.54847
WA state plane south (NAD 27, feet)	
East:	1,241,995
North:	677,870

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.95 miles south of the Muller Rd/A-line junction

Site Comments:

Small ephemeral wetland downstream of site. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/14/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.05
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Toe and plunge pool unavailable due to ephemeral wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0063

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 10
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14568
Longitude: -123.54274
WA state plane south (NAD 27, feet)
East: 1,243,332
North: 675,570

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles east of the A-line/B-line junction.

Site Comments:

Ephemeral wetlands with subsurface flows.
OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
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:

127S0064

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SW
Section:	10
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14585
Longitude:	-123.54142
WA state plane south (NAD 27, feet)	
East:	1,243,662
North:	675,622

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.45 miles east of the A-line/B-line junction.

Site Comments:

Small ephemeral wetland upstream of site. OHW = 0.40 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:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/13/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.23
OHW (m)	0.93
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	0.30
Span/Toe Ratio	2.03

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)	0.02
WDIC (m)	0.20
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0065

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14714
Longitude: -123.53872
WA state plane south (NAD 27, feet)
East: 1,244,353
North: 676,063

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the B-line/B-1000 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: 5/13/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.35
Span/Toe Ratio: 2.20

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.77
Rise (m): 0.77
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0066

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SE
Section:	10
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14461
Longitude:	-123.53815
WA state plane south (NAD 27, feet)	
East:	1,244,458
North:	675,137

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.65 miles southeast of the B-line/A-line junction.

Site Comments:

OHW = 0.62 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:	5/13/2004
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)	0.59
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	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	9.41
Slope (%)	1.13
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No plunge pool measurements due to wetland influence downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0067

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14213
Longitude: -123.53213
WA state plane south (NAD 27, feet)
East: 1,245,921
North: 674,176

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles south of the B-line/B-500 junction.

Site Comments:

Tributary has intermittent subsurface flows.
OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.05
OHW (m): 0.57
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.78
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:

127S0068

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14118
Longitude: -123.53165
WA state plane south (NAD 27, feet)
East: 1,246,028
North: 673,824

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles southeast of the B-line/B-500 junction.

Site Comments:

Smith Creek confluence is approximately 100 meters downstream of site. 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: 5/13/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.96
OHW (m): 0.80
Max Depth (m): 0.26

CHANNEL DESCRIPTION

Toe Width (m): 0.30
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): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.60
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:

127S0069

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SE
Section: 10
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14088
Longitude: -123.53142
WA state plane south (NAD 27, feet)
East: 1,246,081
North: 673,712

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles southeast of the B-line/B-500 junction.

Site Comments:

Small seep 2 meters upstream feeds culvert. Confluence with Smith Creek is approximately 10 meters downstream of site. 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: 5/13/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
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:

127S0070

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13971
Longitude: -123.53032
WA state plane south (NAD 27, feet)
East: 1,246,338
North: 673,275

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles southeast of northern B-line/B-500 junction.

Site Comments:

Intermittent subsurface flows upstream and downstream with abundant LWD in channel. 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: 5/13/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.61
OHW (m): 0.95
Max Depth (m): 0.38

CHANNEL DESCRIPTION

Toe Width (m): 0.35
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: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.84
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:

127S0071

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: NE
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13770
Longitude: -123.52881
WA state plane south (NAD 27, feet)
East: 1,246,685
North: 672,531

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles southeast of the B-line/B-500 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.95
OHW (m): 2.41
Max Depth (m): 0.58

CHANNEL DESCRIPTION

Toe Width (m): 0.31
Span/Toe Ratio: 2.79

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.62
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert has fine sediment throughout.
Downstream channel is braided with abundant LWD.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0072

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13508
Longitude: -123.52659
WA state plane south (NAD 27, feet)
East: 1,247,201
North: 671,554

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.65 miles southeast of the northern B-line/B-500 junction.

Site Comments:

Culvert appears to be recently installed.

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: 5/13/2004
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.20
OHW (m): 1.95
Max Depth (m): 0.16

CHANNEL DESCRIPTION

Toe Width (m): 0.92
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): 1.21
Rise (m): 1.21
Length (m): 11.64
Slope (%): 0.88
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.14
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Upstream end of culvert is slightly beveled and has fine sediments throughout pipe. Log control 2 meters downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0073

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13190
Longitude: -123.52443
WA state plane south (NAD 27, feet)
East: 1,247,694
North: 670,374

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.90 miles southeast of the northern B-line/B-500 junction.

Site Comments:

Confluence with Smith Creek is approximately 100 meters downstream.

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: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.39
OHW (m): 2.07
Max Depth (m): 0.23

CHANNEL DESCRIPTION

Toe Width (m): 0.80
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): 1.21
Rise (m): 1.21
Length (m): 12.22
Slope (%): 1.12
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Culvert looks to be recently installed and has fine sediments throughout.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0074

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-570
County:	Grays Harbor
1/4 Section:	SW
Section:	14
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13159
Longitude:	-123.52588
WA state plane south (NAD 27, feet)	
East:	1,247,329
North:	670,275

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 120 meters northwest of the B-500/B-570 junction.

Site Comments:

Abundant LWD and downed trees in channel. Stream flows into wetland with intermittent subsurface flows 20 meters downstream. OHW = 0.60 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input 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:	5/13/2004
Field Crew:	Glore/Blatt/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.80
OHW (m)	2.45
Max Depth (m)	0.54

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	ELL
Material	CST
Span (m)	0.25
Rise (m)	0.41
Length (m)	11.88
Slope (%)	1.61
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Unable to obtain Toe due to wetland influence and intermittent subsurface flows, OHW = 0.60m.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0075

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-570
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13413
Longitude: -123.52980
WA state plane south (NAD 27, feet)
East: 1,246,389
North: 671,239

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles northwest of the B-570/B-500 junction.

Site Comments:

Wetland/seep influences. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.45
OHW (m): 1.76
Max Depth (m): 0.12

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.64
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No stream width measurements due to ephemeral wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0076

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12911
Longitude: -123.52538
WA state plane south (NAD 27, feet)
East: 1,247,418
North: 669,365

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.10 miles southeast of the northern B-line/B-500 junction.

Site Comments:

Culvert appears to be recently replaced. 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.73
OHW (m): 2.46
Max Depth (m): 0.24

CHANNEL DESCRIPTION

Toe Width (m): 0.64
Span/Toe Ratio: 1.92

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.23
Rise (m): 1.23
Length (m): 11.72
Slope (%): 0.63
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Vertical wooden struts through length of culvert with no plunge pool as stream ripples through pipe.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0077

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12684
Longitude: -123.52405
WA state plane south (NAD 27, feet)
East: 1,247,716
North: 668,527

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles southeast of the northern B-line/B-500 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: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.56
OHW (m): 0.95
Max Depth (m): 0.17

CHANNEL DESCRIPTION

Toe Width (m): 0.29
Span/Toe Ratio: 2.10

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.64
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:

127S0078

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12628
Longitude: -123.52382
WA state plane south (NAD 27, feet)
East: 1,247,766
North: 668,318

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.3 miles southeast of the northern B-line/B-500 junction.

Site Comments:

Wetland vegetation through poorly defined stream channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.14
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No obtainable toe or plunge pool due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0079

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: NW
Section: 23
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12389
Longitude: -123.52233
WA state plane south (NAD 27, feet)
East: 1,248,102
North: 667,433

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.5 miles southeast of the northern B-line/B-500 junction.

Site Comments:

OHW = 0.69 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: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.54
Span/Toe Ratio: 2.78

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.50
Rise (m): 1.50
Length (m): 24.77
Slope (%): 0.44
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:

No plunge pool as stream riffles through culvert with placed rip rap and log controls in stream. Culvert appears to be recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0080

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12080
Longitude: -123.51829
WA state plane south (NAD 27, feet)
East: 1,249,065
North: 666,269

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 1.8 miles southeast of the northern B-line/B-500 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.33
OHW (m): 1.35
Max Depth (m): 0.19

CHANNEL DESCRIPTION

Toe Width (m): 1.10
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): 1.45
Rise (m): 1.45
Length (m): 24.14
Slope (%): 0.57
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 6.75
Tidegate: No

Culvert Comments:

Small log control structure downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0081

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11867
Longitude: -123.51694
WA state plane south (NAD 27, feet)
East: 1,249,372
North: 665,480

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.95 miles southeast of the northern B-line/B-500 junction.

Site Comments:

Gradient barrier downstream. Confluence of Smith Creek is visible 50 meters downstream. 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: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
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:

127S0082

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SE
Section: 23
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11834
Longitude: -123.51653
WA state plane south (NAD 27, feet)
East: 1,249,469
North: 665,356

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.0 miles southeast of the northern B-line/B 500 junction.

Site Comments:

Small stream with gradient barrier downstream. Smith Creek confluence is visible 50 meters downstream. OHW = 0.20 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.86
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert has an extension skirt for erosion control on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0083

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-500
County: Grays Harbor
1/4 Section: SE
Section: 23
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11676
Longitude: -123.51504
WA state plane south (NAD 27, feet)
East: 1,249,818
North: 664,767

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.10 miles southeast of the northern B-line/B 500 junction.

Site Comments:

Gradient barrier of 37% downstream.
Confluence of Smith Creek 60 meters downstream of site. OHW = 0.67 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: 5/13/2004
Field Crew: Glore/Blatt/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.44
Span/Toe Ratio: 1.39

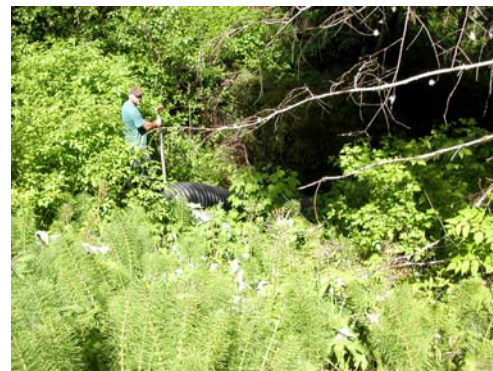
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0084

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SE
Section:	10
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14288
Longitude:	-123.53064
WA state plane south (NAD 27, feet)	
East:	1,246,303
North:	674,436

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Smith Cr
Tributary To:	MF Satsop 22.0414
WRIA:	22.0415
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 1.0 mile southeast of the B-line/A-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:

Four culverts passing Smith Cr under road, {1.4+2.4 are 20 meters downstream from 3.4+4.4} majority of flow passing through pipe 3.4. Two pvc overflow pipes 40 meters south of 3.4.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.85
OHW (m)	1.75
Max Depth (m)	0.31

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m)	3.50
Span/Toe Ratio	1.32

CULVERT DESCRIPTION

Sequencer:	1.4
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.94
Length (m)	11.47
Slope (%)	2.21
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.10
Tidegate	No

Culvert Comments:

Downstream no defined channel, stream flows into plunge pool then back into main stem. Culvert 1.4 is on left bank and rusted out, beginning to fail.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0084

Fish Use: Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.4
Shape	RND
Material	CST
Span (m)	1.62
Rise (m)	1.65
Length (m)	11.79
Slope (%)	3.03
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	1.10
Tidegate	No

Culvert Comments:

Culvert 2.4 passed level A analysis, but fails due to pipe 1.4 barrier status. Thin sediment through out culvert.



CULVERT DESCRIPTION

Sequencer:	3.4
Shape	RND
Material	CST
Span (m)	2.09
Rise (m)	1.52
Length (m)	10.10
Slope (%)	0.10
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:

Culvert required level B analysis, but fail due to pipe 1.4 barrier status. Second culvert from right bank, upstream end is beveled.



CULVERT DESCRIPTION

Sequencer:	4.4
Shape	SQSH
Material	CST
Span (m)	2.08
Rise (m)	1.12
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.45
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert is a complete barrier upstream end is deformed, not allowing laser measurements to be obtained. 4.4 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0085

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14142
Longitude: -123.52984
WA state plane south (NAD 27, feet)
East: 1,246,481
North: 673,896

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.10 miles southeast of the A-line/B-line junction.

Site Comments:

Upstream has some wetland influence and runs in and out subsurface. Downstream channel goes subsurface after 20 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: 5/18/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 2.30
OHW (m): 0.80
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m): 9.39
Slope (%): 1.63
Bed Material: No
Outfall Drop (m): 0.15
WDIC (m): 0.01
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Stream width measurements not obtainable due to subsurface flows with no defined stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0086

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14088
Longitude: -123.52851
WA state plane south (NAD 27, feet)
East: 1,246,803
North: 673,684

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles southeast of the A-line/B-line junction.

Site Comments:

Stream channel excavated with perennial growth throughout. 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: 5/18/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.64
Rise (m): 0.64
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.24
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0087

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SW
Section:	11
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14077
Longitude:	-123.52799
WA state plane south (NAD 27, feet)	
East:	1,246,931
North:	673,640

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.2 miles southeast of the A-line/B-line junction.

Site Comments:

Excavated ditch delivery with perennials growth throughout channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.55
OHW (m)	0.65
Max Depth (m)	0.22

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0088

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13992
Longitude: -123.52680
WA state plane south (NAD 27, feet)
East: 1,247,215
North: 673,318

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.30 miles southeast of the A-line/B-line junction.

Site Comments:

Stream is dry with moss and perennials growing in channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m): 1.45
OHW (m): 1.05
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.63
Rise (m): 0.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.85
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:

127S0089

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: NE
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13836
Longitude: -123.52554
WA state plane south (NAD 27, feet)
East: 1,247,508
North: 672,739

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.40 miles southeast of the A-line/B-line junction.

Site Comments:

OHW = 0.71 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: 5/18/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.70
OHW (m): 1.55
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 0.60
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): 0.77
Rise (m): 0.77
Length (m): 16.40
Slope (%): 1.31
Bed Material: No
Outfall Drop (m): 0.85
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0090

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13629
Longitude: -123.52408
WA state plane south (NAD 27, feet)
East: 1,247,841
North: 671,972

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.55 miles southeast of the A-line/B-line junction.

Site Comments:

Downstream has perennial growth throughout channel after 20 meters. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m): 1.40
OHW (m): 0.25
Max Depth (m): 0.80

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.10
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0091

Fish Use:

Yes

PI:

Barrier:

No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13570
Longitude: -123.52370
WA state plane south (NAD 27, feet)
East: 1,247,927
North: 671,752

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.65 miles southeast of the A-line/B-line 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: 5/18/2004
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.91
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: PVC
Span (m): 0.76
Rise (m): 0.76
Length (m): 13.92
Slope (%): 0.88
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 3.75
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0092

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13088
Longitude: -123.52085
WA state plane south (NAD 27, feet)
East: 1,248,568
North: 669,969

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.95 miles southeast of the B-line/A-line 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: 5/18/2004
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 1.79

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CAL
Span (m): 1.25
Rise (m): 1.25
Length (m): 13.84
Slope (%): 0.59
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.25
Tidegate: No

Culvert Comments:

No plunge pool present, riffle directly out of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0093

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13024
Longitude:	-123.52044
WA state plane south (NAD 27, feet)	
East:	1,248,662
North:	669,732

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.0 miles southeast of the A-line/B-line junction.

Site Comments:

OHW = 0.50 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Michael Kimbrel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.92
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.16
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0094

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.12946
Longitude:	-123.52004
WA state plane south (NAD 27, feet)	
East:	1,248,751
North:	669,443

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 2.05 miles southeast of the A-line/B-line junction.

Site Comments:

OHW = 0.65 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:	Michael Kimbrel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	1.20
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	0.60
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	PVC
Span (m)	0.93
Rise (m)	0.92
Length (m)	12.09
Slope (%)	1.69
Bed Material	No
Outfall Drop (m)	0.15
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:

127S0095

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12853
Longitude: -123.51946
WA state plane south (NAD 27, feet)
East: 1,248,881
North: 669,097

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.15 miles southeast of the A-line/B-line junction.

Site Comments:

Wetland influence. Downstream channel is excavated. OHW > 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Michael Kimbrel
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/18/2004
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: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m): 9.26
Slope (%): 2.41
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool or toe measurement due to excavated channel downstream with wetland influence. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0096

Fish Use: No

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.12591
Longitude:	-123.51788
WA state plane south (NAD 27, feet)	
East:	1,249,239
North:	668,128

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.35 miles southeast of the A-line/B-line junction.

Site Comments:

Ephemeral wetlands with no measurable stream channel. Dry at time of sample.

SPECIES POTENTIAL

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

OWNER

Name:	Michael Kimbrel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
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	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	9.87
Slope (%)	3.68
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Wetland is dry with no measurable stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0097

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12416
Longitude: -123.51685
WA state plane south (NAD 27, feet)
East: 1,249,471
North: 667,481

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.5 miles southeast of the A-line/B-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:

Moss growing throughout channel which flows into sedge wetland area. OHW < 0.60 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.01
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0098

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.12211
Longitude:	-123.51564
WA state plane south (NAD 27, feet)	
East:	1,249,743
North:	666,722

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biological

Location / Directions:

Water crossing is approximately 2.65 miles southeast of the A-line/B-line junction.

Site Comments:

Observed coho fry chasing insect hatch. OHW = 0.90 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:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.85
OHW (m)	2.30
Max Depth (m)	0.42

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	PVC
Span (m)	0.95
Rise (m)	0.95
Length (m)	18.36
Slope (%)	1.01
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Culvert rechecked for slope and was found that it was greater than 1 percent.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0099

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-800
County: Grays Harbor
1/4 Section: SE
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12920
Longitude: -123.51912
WA state plane south (NAD 27, feet)
East: 1,248,977
North: 669,338

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 50 meters northeast of the B-line/B-800 junction.

Site Comments:

Habitat at site is a marsh wetland. 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: Michael Kimbrel
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/18/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 4.15
OHW (m): 1.70
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 11.98
Slope (%): 0.21
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.75
Tidegate: No

Culvert Comments:

Not able to obtain toe due to wetland influences.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0100

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-810 spur
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13222
Longitude:	-123.51183
WA state plane south (NAD 27, feet)	
East:	1,250,832
North:	670,370

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

From B Line, travel northeast on B-800 for 0.30 miles, then turn east onto the B-810 spur and travel 0.15 miles to culvert.

Site Comments:

OHW = 0.20 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:	Michael Kimbrel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.40
OHW (m)	1.15
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.64
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert is rusted out on downstream end causing it to not function properly.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0101

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-810 spur
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13175
Longitude: -123.50459
WA state plane south (NAD 27, feet)
East: 1,252,626
North: 670,131

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Satsop 22.0414
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

From B Line travel 0.30 miles northeast on the B-800, then turn east onto the B-810 . Travel 0.55 miles, turn south onto spur were culvert is approximately 150 meters down road.

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.40
Rise (m): 0.40
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.20
WDIC (m): 0.00
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0102

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-800
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13253
Longitude:	-123.51545
WA state plane south (NAD 27, feet)	
East:	1,249,936
North:	670,517

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.35 miles northeast of the B-Line/B-810 junction.

Site Comments:

Downstream has abundant LWD in channel causing in and out subsurface flows. 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:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	1.05
Max Depth (m)	0.28

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	1.91

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)	11.15
Slope (%)	0.51
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Upstream end of culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0103

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-850
County: Grays Harbor
1/4 Section: NE
Section: 14
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13903
Longitude: -123.51353
WA state plane south (NAD 27, feet)
East: 1,250,502
North: 672,869

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Satsop 22.0414
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters east of the B-800/B-850 junction.

Site Comments:

No defined stream channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

127S0104

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-880
County:	Grays Harbor
1/4 Section:	NW
Section:	11
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15040
Longitude:	-123.52129
WA state plane south (NAD 27, feet)	
East:	1,248,733
North:	677,086

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

From B-line travel 0.45 of a mile to 4-way intersection, turn northwest onto the B-880, then travel 0.75 miles to culvert.

Site Comments:

No stream bed visible with perennials growing in drainage. OHW = 0.30 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:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.30
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	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.50
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:

127S0105

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-920 loop
County:	Grays Harbor
1/4 Section:	NW
Section:	11
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14745
Longitude:	-123.52596
WA state plane south (NAD 27, feet)	
East:	1,247,530
North:	676,055

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

From B-line travel north on the B-900 for 0.40 miles, turn northeast onto the B-910 loop. Culvert is approximately 0.10 miles from the B-line/B-910 junction.

Site Comments:

OHW = 0.65 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:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	0.91
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	0.40
Span/Toe Ratio	1.23

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.46
Length (m)	9.35
Slope (%)	1.60
Bed Material	No
Outfall Drop (m)	0.42
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:

127S0106

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-900
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14983
Longitude: -123.53253
WA state plane south (NAD 27, feet)
East: 1,245,929
North: 676,986

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.75 miles north of the B-line/B-900 junction.

Site Comments:

OHW = 1.60 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: 5/18/2004
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.55
OHW (m): 2.25
Max Depth (m): 0.24

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 1.31

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CAL
Span (m): 2.10
Rise (m): 1.61
Length (m): 14.13
Slope (%): 0.00
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert seems to be recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0107

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-950
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.15151
Longitude:	-123.53800
WA state plane south (NAD 27, feet)	
East:	1,244,594
North:	677,650

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0416
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

From B Line follow the B-900 for 0.90 miles, turn southeast onto spur and travel 0.15 miles to T intersection, turn northwest and travel 0.15 miles to culvert.

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:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.90
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	PVC
Span (m)	0.91
Rise (m)	0.91
Length (m)	14.08
Slope (%)	0.31
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

No plunge pool measurement, stream riffles directly out of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0108

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-900
County: Grays Harbor
1/4 Section: NW
Section: 11
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14613
Longitude: -123.52795
WA state plane south (NAD 27, feet)
East: 1,247,016
North: 675,593

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.45 miles north of the B-line/B-900 junction.

Site Comments:

Juvenile coho were observed at site. OHW = 1.75 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: 5/18/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.75
OHW (m): 1.60
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 0.50
Span/Toe Ratio: 3.08

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m): 8.88
Slope (%): 0.64
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Plunge pool measurements are different than culvert 2.2. Culvert 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0108

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.93
Rise (m)	0.93
Length (m)	10.21
Slope (%)	2.18
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0109

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-800
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14405
Longitude: -123.51618
WA state plane south (NAD 27, feet)
East: 1,249,914
North: 674,722

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Satsop 22.0414
WRIA: 22.0419
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.65 miles northeast of the B-800/B-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:

Wetlands with large pond upstream. Beaver dam in upstream end of culvert affecting flow and passability.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 13.20
OHW (m): 7.25
Max Depth (m): 1.00

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: SQSH
Material: CAL
Span (m): 2.50
Rise (m): 1.74
Length (m): 12.47
Slope (%): 1.87
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.24
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Thin layer of fine sediments materials through length of culvert. Beaver dam on upstream end of culvert limiting passability to near zero.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0110

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-891
County: Grays Harbor
1/4 Section: SE
Section: 11
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.14487
Longitude: -123.51588
WA state plane south (NAD 27, feet)
East: 1,250,001
North: 675,020

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0419
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 65 meters north of the B-800/B-891 junction.

Site Comments:

Perennial vegetation through channel 5 meters downstream of culvert. OHW = 0.50 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.60
OHW (m): 0.50
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 0.39
Span/Toe Ratio: 1.56

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.16
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:

127S0111

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-890
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14361
Longitude:	-123.51238
WA state plane south (NAD 27, feet)	
East:	1,250,852
North:	674,528

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.20 miles east of the B-890/B-800 junction.

Site Comments:

Confluence with large wetland 20 meters downstream. OHW = 0.84 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:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	7.25
OHW (m)	4.15
Max Depth (m)	0.66

CHANNEL DESCRIPTION

Toe Width (m)	0.36
Span/Toe Ratio	1.69

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	9.34
Slope (%)	0.95
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Nice rearing habitat upstream with some beaver ponds. Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0111

Fish Use:

Yes

PI:

Barrier:

No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	9.03
Slope (%)	-0.66
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Bottom of pipe is rusted out for 0.60 meters on downstream end. Culvert is starting to fail and needs to be replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0112

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-890
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.14011
Longitude:	-123.50579
WA state plane south (NAD 27, feet)	
East:	1,252,443
North:	673,190

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0419
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.60 miles southeast of the B-800/B-890 junction.

Site Comments:

Confluence with large wetlands 20 meters downstream. OHW = 0.65 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:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	1.45
Max Depth (m)	0.48

CHANNEL DESCRIPTION

Toe Width (m)	0.35
Span/Toe Ratio	1.37

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.48
Length (m)	12.11
Slope (%)	1.42
Bed Material	No
Outfall Drop (m)	0.31
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Debris clogging upstream end of pipe.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0113

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-890
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13616
Longitude: -123.50011
WA state plane south (NAD 27, feet)
East: 1,253,802
North: 671,695

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0419
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile southeast of the B-800/B-890 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.86
OHW (m): 1.94
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.10
Span/Toe Ratio: 4.60

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 0.46
Rise (m): 0.25
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.02
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.75
Tidegate: No

Culvert Comments:

Culvert and stream dry at time of survey.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0114

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-893
County: Grays Harbor
1/4 Section: SE
Section: 2
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16062
Longitude: -123.51565
WA state plane south (NAD 27, feet)
East: 1,250,277
North: 680,758

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0419
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles southeast of the Cougar Smith Rd/B-893 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.15
OHW (m): 3.05
Max Depth (m): 0.33

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.38
Rise (m): 0.38
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Perennial vegetation through undefined stream channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0115

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-893
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16286
Longitude: -123.52015
WA state plane south (NAD 27, feet)
East: 1,249,189
North: 681,616

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0419
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.50 miles southeast of the Cougar Smith Rd/B-893 junction.

Site Comments:

Small wetland upstream of site. 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: 5/19/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.63
OHW (m): 1.83
Max Depth (m): 0.30

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: No
Outfall Drop (m): 0.82
WDIC (m): 0.02
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Toe and OHW estimated to be 0.50 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0116

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-893
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.16189
Longitude: -123.52000
WA state plane south (NAD 27, feet)
East: 1,249,213
North: 681,263

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0419
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.55 miles southeast of the Cougar Smith Rd/B-893 junction.

Site Comments:

Small spring/seep upstream with reprod surrounding tributary.

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: 5/19/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.07
OHW (m): 1.12
Max Depth (m): 0.49

CHANNEL DESCRIPTION

Toe Width (m): 0.23
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): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.57
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0117

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SE
Section:	23
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.11383
Longitude:	-123.51151
WA state plane south (NAD 27, feet)	
East:	1,250,656
North:	663,666

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles southeast of the Smith Cr bridge on the B-line.

Site Comments:

Stream bed is clay with some larger cobble and abundant LWD. OHW = 1.45 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:	5/20/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.15
Span/Toe Ratio	1.08

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.24
Rise (m)	1.26
Length (m)	17.83
Slope (%)	-0.22
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Stream bed throughout 80% of the culvert, material is cobble and gravel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0118

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SE
Section: 23
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.11208
Longitude: -123.51021
WA state plane south (NAD 27, feet)
East: 1,250,954
North: 663,015

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles southeast of the Smith Cr bridge.

Site Comments:

No fish barring do to gradient barrier downstream of site. 65% slope and approximately 40 meters to confluence with Smith Creek.

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: 5/20/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.90
OHW (m): 0.60
Max Depth (m): 0.16

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.36
WDIC (m): 0.01
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:

Unable to obtain stream width measurements due to downstream subsurface flows.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0119

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10855
Longitude: -123.51012
WA state plane south (NAD 27, feet)
East: 1,250,926
North: 661,726

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles southeast of the Smith Cr bridge.

Site Comments:

Upstream water source is a spring/seep. OHW = 0.15 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: 5/20/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert has a silt skirt for erosion control on downstream end of pipe.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0120

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.10457
Longitude:	-123.50623
WA state plane south (NAD 27, feet)	
East:	1,251,841
North:	660,238

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.90 miles southeast of the Smith Cr Bridge.

Site Comments:

High quality stream habitat with abundant pools and riffles. OHW = 2.75 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/20/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.80
OHW (m)	2.90
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	0.84

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.34
Rise (m)	1.26
Length (m)	15.28
Slope (%)	2.85
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0121

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 25
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10345
Longitude: -123.50567
WA state plane south (NAD 27, feet)
East: 1,251,963
North: 659,826

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile southeast of the Smith Cr Bridge.

Site Comments:

Stream channel has perennial growth throughout. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/20/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No measurable stream width available.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0122

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-line
County: Grays Harbor
1/4 Section: SW
Section: 25
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10017
Longitude: -123.50448
WA state plane south (NAD 27, feet)
East: 1,252,214
North: 658,620

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.30 miles southeast of the Smith Cr Bridge.

Site Comments:

Excavated channel, perennial growth throughout. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/20/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0123

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: B-100
County: Grays Harbor
1/4 Section: NW
Section: 36
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.09662
Longitude: -123.50883
WA state plane south (NAD 27, feet)
East: 1,251,082
North: 657,367

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Smith Cr 22.0415
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the B-line/B-100 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: 5/20/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.70
OHW (m): 1.95
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 0.98

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.08
Rise (m): 1.08
Length (m): 18.19
Slope (%): 6.64
Bed Material: No
Outfall Drop (m): 0.31
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0124

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: G-1100
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07372
Longitude: -123.53598
WA state plane south (NAD 27, feet)
East: 1,244,005
North: 649,280

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles southwest of the G-line/G-1100 junction.

Site Comments:

Angled extension on downstream end. 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: 5/20/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.53

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): 0.25
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream has culvert extension off hillside.
Stream width taken upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0125

Fish Use: Yes

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 110 meters downstream of site 127S0051. Approximately 1.60 miles southwest of the G-line/G-1100 junction.

Site Comments:

Wet crossing connects driveway to pasture.

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:

127S0126

Fish Use: Unk

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 0.50 miles west of the G-line/Middle Satsop Rd junction.

SPECIES POTENTIAL

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

OWNER

Name:
Type:

Site Comments:

Fences upstream and downstream preventing access to pipe. Unable to access culvert on private property.

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:

Accurate outfall drop, plunge pool, and toe measurements unavailable due to fences at both ends of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0127

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 200 meters northeast of the G-1200 on spur. Spur is approximately 0.80 miles southeast of the G-line/G-1200 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:
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:

127S0128

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

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

WATERBODY

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

Location / Directions:

Water crossing is approximately 0.35 miles west of the G-line/Middle Satsop Rd junction.

Site Comments:

Fences at both ends of culvert.

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:

Accurate toe, OHW, plunge pool measurements not available due to fences at both ends of pipe. Unable to access ends of pipe, unable to complete Level A.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0129

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-5000
County: Grays Harbor
1/4 Section: NE
Section: 20
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12505
Longitude: -123.58154
WA state plane south (NAD 27, feet)
East: 1,233,391
North: 668,426

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 0.50 miles north beyond the end of the A-5000.

Site Comments:

Juvenile coho 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: 5/25/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.90
OHW (m): 2.15
Max Depth (m): 0.31

CHANNEL DESCRIPTION

Toe Width (m): 1.35
Span/Toe Ratio: 0.96

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.29
Rise (m): 0.86
Length (m): 8.86
Slope (%): 2.22
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0130

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-4050 spur
County: Grays Harbor
1/4 Section: NE
Section: 16
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.13323
Longitude: -123.55390
WA state plane south (NAD 27, feet)
East: 1,240,381
North: 671,140

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0372
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the A-4000/A-4050 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.08
OHW (m): 0.97
Max Depth (m): 0.21

CHANNEL DESCRIPTION

Toe Width (m): 0.21
Span/Toe Ratio: 2.24

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0131

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-3210
County: Grays Harbor
1/4 Section: NW
Section: 22
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12119
Longitude: -123.54076
WA state plane south (NAD 27, feet)
East: 1,243,481
North: 666,628

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0373
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles northwest of the A-3210/A-3200 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: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.83
OHW (m): 0.80
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.66
Rise (m): 0.66
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.52
WDIC (m): 0.01
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0132

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-3200
County: Grays Harbor
1/4 Section: NE
Section: 22
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.12005
Longitude: -123.53711
WA state plane south (NAD 27, feet)
East: 1,244,373
North: 666,175

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0373
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the A-3200/A-3210 junction.

Site Comments:

Poorly defined 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.49
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.21
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:

127S0133

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-3200
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10573
Longitude: -123.54998
WA state plane south (NAD 27, feet)
East: 1,240,970
North: 661,082

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0371
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles southwest of the A-line/A-3200 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.24
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0134

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-line
County: Grays Harbor
1/4 Section: NW
Section: 26
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.10586
Longitude: -123.52168
WA state plane south (NAD 27, feet)
East: 1,248,012
North: 660,858

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Satsop 220414
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately immediately north of the A-line/A-200 junction.

Site Comments:

Poorly defined 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.66
Rise (m): 0.66
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.97
WDIC (m): 0.01
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Angled extension downstream, overflow pipes on both banks.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0135

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-1000
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08826
Longitude: -123.50882
WA state plane south (NAD 27, feet)
East: 1,250,968
North: 654,321

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0409
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the A-line/A-1000 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: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.92
OHW (m): 0.37
Max Depth (m): 0.04

CHANNEL DESCRIPTION

Toe Width (m): 0.36
Span/Toe Ratio: 1.72

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.23
WDIC (m): 0.01
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0136

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-500
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 19N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.08346
Longitude: -123.49989
WA state plane south (NAD 27, feet)
East: 1,253,125
North: 652,486

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0409
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the 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: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.97
OHW (m): 0.65
Max Depth (m): 0.44

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.64
Rise (m): 0.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.28
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:

127S0137

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-line
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.07912
Longitude: -123.49464
WA state plane south (NAD 27, feet)
East: 1,254,372
North: 650,853

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0409
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles northwest of the A-line/Middle Satsop Rd 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/26/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
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:

127S0138

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7100
County: Grays Harbor
1/4 Section: SW
Section: 28
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18302
Longitude: -123.56542
WA state plane south (NAD 27, feet)
East: 1,238,222
North: 689,398

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7100/Cougar Smith Rd junction.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/27/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.70
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): 0.63
Length (m): 8.15
Slope (%): 0.97
Bed Material: No
Outfall Drop (m): 0.18
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:

127S0139

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7100
County:	Grays Harbor
1/4 Section:	SW
Section:	28
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18344
Longitude:	-123.56484
WA state plane south (NAD 27, feet)	
East:	1,238,371
North:	689,547

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles northeast of the 7100/Cougar Smith Rd junction.

Site Comments:

OHW = 0.85 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input 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:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.50
OHW (m)	0.31
Max Depth (m)	1.55

CHANNEL DESCRIPTION

Toe Width (m)	0.85
Span/Toe Ratio	0.72

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	14.86
Slope (%)	9.01
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0140

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7100
County:	Grays Harbor
1/4 Section:	SW
Section:	28
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.18762
Longitude:	-123.56627
WA state plane south (NAD 27, feet)	
East:	1,238,075
North:	691,082

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.60 miles northeast of the 7100/Cougar Smith Rd junction.

Site Comments:

OHW = 1.25 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.00
OHW (m)	1.37
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	1.25
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)	0.93
Rise (m)	0.93
Length (m)	12.00
Slope (%)	6.80
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0141

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7100
County:	Grays Harbor
1/4 Section:	NW
Section:	28
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.19182
Longitude:	-123.56721
WA state plane south (NAD 27, feet)	
East:	1,237,903
North:	692,622

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0376
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.95 miles north of the 7100/Cougar Smith Rd junction.

Site Comments:

OHW = 0.8 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.15
OHW (m)	1.25
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.58

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	7.83
Slope (%)	3.79
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:

127S0142

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7115
County:	Grays Harbor
1/4 Section:	NW
Section:	21
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20518
Longitude:	-123.57071
WA state plane south (NAD 27, feet)	
East:	1,237,222
North:	697,526

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.40 miles east of the 7100/7115 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.80
OHW (m)	1.70
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	1.10

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.88
Rise (m)	0.91
Length (m)	19.19
Slope (%)	9.18
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0143

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7115
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.20512
Longitude: -123.56972
WA state plane south (NAD 27, feet)
East: 1,237,467
North: 697,495

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles east of the 7100/7115 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: 5/27/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.40
OHW (m): 0.85
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 0.55
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): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.20
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:

127S0144

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7115
County:	Grays Harbor
1/4 Section:	NE
Section:	21
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20653
Longitude:	-123.56472
WA state plane south (NAD 27, feet)	
East:	1,238,730
North:	697,962

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.70 miles east of the 7100/7115 junction.

Site Comments:

OHW = 1.25 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:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.45
OHW (m)	2.45
Max Depth (m)	0.62

CHANNEL DESCRIPTION

Toe Width (m)	1.00
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)	0.91
Rise (m)	0.91
Length (m)	13.04
Slope (%)	1.83
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.39
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0145

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7080
County:	Grays Harbor
1/4 Section:	NE
Section:	17
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.22117
Longitude:	-123.57700
WA state plane south (NAD 27, feet)	
East:	1,235,887
North:	703,415

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Black Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0376
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.75 miles east of the 7080/Brehmeyer Transfer junction.

Site Comments:

OHW = 1.25 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:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.84
OHW (m)	4.50
Max Depth (m)	0.62

CHANNEL DESCRIPTION

Toe Width (m)	1.07
Span/Toe Ratio	2.36

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	1.26
Rise (m)	1.26
Length (m)	12.47
Slope (%)	2.46
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

East of culvert 20 meters are 3 overflow pipes.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0145

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.26
Rise (m)	1.26
Length (m)	12.71
Slope (%)	2.73
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert is deformed on upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0146

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7140
County: Grays Harbor
1/4 Section: NE
Section: 17
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22509
Longitude: -123.58023
WA state plane south (NAD 27, feet)
East: 1,235,141
North: 704,875

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Black Cr 22.0376
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the 7140/7100 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: 6/2/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 2.05
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
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:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0147

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7100
County: Grays Harbor
1/4 Section: NE
Section: 7
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22412
Longitude: -123.57928
WA state plane south (NAD 27, feet)
East: 1,235,364
North: 704,512

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Black Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0376
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 150 meters south of the 7100/7140 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: 6/2/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.26
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:

127S0148

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7150
County: Grays Harbor
1/4 Section: SW
Section: 9
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22847
Longitude: -123.57275
WA state plane south (NAD 27, feet)
East: 1,237,047
North: 706,033

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Little Sandstone Cr local
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located at the 7150/7153 junction.

Site Comments:

OHW = 1.05 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: 6/2/2004
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.53
Span/Toe Ratio: 1.72

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m): 12.49
Slope (%): 1.49
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.17
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0149

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7150
County: Grays Harbor
1/4 Section: SE
Section: 8
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.22801
Longitude: -123.57883
WA state plane south (NAD 27, feet)
East: 1,235,530
North: 705,927

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Black Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0376
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 150 meters east of the 7150/7100 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: 6/2/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0150

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7150
County:	Grays Harbor
1/4 Section:	NW
Section:	9
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23532
Longitude:	-123.57031
WA state plane south (NAD 27, feet)	
East:	1,237,750
North:	708,506

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Sandstone Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0397
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.2 miles northeast of the 7150/7155 junction.

Site Comments:

Poorly defined channel, OHW < 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.55
OHW (m)	0.44
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.39
Rise (m)	0.39
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Ditch delivery upstream and no defined channel downstream. Most likely a gradient barrier downstream approx. 50% slope.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0151

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7190
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24533
Longitude: -123.58851
WA state plane south (NAD 27, feet)
East: 1,233,374
North: 712,334

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Sandstone Cr 22.0397
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles east of the 7190/7600 junction.

Site Comments:

Poorly defined 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: 6/2/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.08
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert heavily rusted downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0152

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26665
Longitude: -123.58707
WA state plane south (NAD 27, feet)
East: 1,234,035
North: 720,090

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Sandstone Cr 22.0397
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the 7600/7620 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: 6/2/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.02
OHW (m): 1.30
Max Depth (m): 0.13

CHANNEL DESCRIPTION

Toe Width (m): 0.56
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): 0.31
Rise (m): 0.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.49
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0153

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7300
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26866
Longitude: -123.58537
WA state plane south (NAD 27, feet)
East: 1,234,486
North: 720,803

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Sandstone Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0397
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles east of the 7600/7620 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: 6/2/2004
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): 0.55
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): 0.61
Rise (m): 0.61
Length (m): 15.22
Slope (%): 2.23
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.80
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0154

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NW
Section: 4
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24973
Longitude: -123.57265
WA state plane south (NAD 27, feet)
East: 1,237,372
North: 713,782

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters north of the 7600/7640 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/2/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.62
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0155

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NW
Section: 4
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25435
Longitude: -123.56915
WA state plane south (NAD 27, feet)
East: 1,238,306
North: 715,433

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters north of the 7600/7648 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:

Abundant LWD in channel. OHW = 0.65 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/2/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 2.47
OHW (m): 1.37
Max Depth (m): 0.25

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.90

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.76
Rise (m): 0.76
Length (m): 18.37
Slope (%): 8.90
Bed Material: No
Outfall Drop (m): 0.42
WDIC (m): 0.02
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Riffles at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0156

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	NW
Section:	4
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25719
Longitude:	-123.56884
WA state plane south (NAD 27, feet)	
East:	1,238,424
North:	716,465

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 100 meters north of the 7600/7649 junction.

Site Comments:

OHW = 0.8 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:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.35
OHW (m)	1.05
Max Depth (m)	0.28

CHANNEL DESCRIPTION

Toe Width (m)	0.57
Span/Toe Ratio	1.88

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.07
Rise (m)	1.07
Length (m)	26.68
Slope (%)	9.82
Bed Material	No
Outfall Drop (m)	0.59
WDIC (m)	0.02
Apron	No
Fill Depth (m)	12.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0157

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 33
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.26193
Longitude: -123.57045
WA state plane south (NAD 27, feet)
East: 1,238,093
North: 718,206

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Stouder Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 20 meters north of the 7600/7650 junction.

Site Comments:

OHW = 2.25 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: 6/2/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 2.20
Max Depth (m): 0.34

CHANNEL DESCRIPTION

Toe Width (m): 1.08
Span/Toe Ratio: 1.19

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.28
Rise (m): 1.28
Length (m): 12.04
Slope (%): 2.79
Bed Material: No
Outfall Drop (m): 0.32
WDIC (m): 0.09
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Duel pipe system with separate plunge pools.
Pipe 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0157

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.28
Rise (m)	1.28
Length (m)	12.35
Slope (%)	2.27
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0158

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 33
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25961
Longitude: -123.57006
WA state plane south (NAD 27, feet)
East: 1,238,155
North: 717,358

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 400 meters southwest of the 7600/7650 junction.

Site Comments:

Confluence with Stouder Creek 50 meters downstream. Gradient barrier downstream, 60% slope to confluence.

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: 6/3/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.69
Span/Toe Ratio: 1.64

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.13
Rise (m): 1.18
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.10
WDIC (m): 0.03
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:

Riffles at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0159

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600-J
County: Grays Harbor
1/4 Section: NE
Section: 33
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27048
Longitude: -123.57348
WA state plane south (NAD 27, feet)
East: 1,237,461
North: 721,354

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 300 meters west of the 7600/7600J 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: 6/3/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.30
OHW (m): 1.65
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.22
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:

127S0160

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27394
Longitude: -123.57239
WA state plane south (NAD 27, feet)
East: 1,237,782
North: 722,603

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the 7600/7600J 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/3/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.25
Span/Toe Ratio: 1.84

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.00
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0161

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31165
Longitude:	-123.59761
WA state plane south (NAD 27, feet)	
East:	1,232,065
North:	736,592

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 1.65 miles east of the FS 22/600 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.95
OHW (m)	3.15
Max Depth (m)	0.55

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.54

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.82
Length (m)	15.56
Slope (%)	1.54
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.25
Tidegate	No

Culvert Comments:

Culvert heavily rusted downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0162

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NE
Section: 17
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31214
Longitude: -123.59527
WA state plane south (NAD 27, feet)
East: 1,232,653
North: 736,747

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Devils Club Cr 22.0400
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles east of the FS 22/600 junction.

Site Comments:

Poorly defined 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: 6/3/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.50
OHW (m): 1.05
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.30
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:

127S0163

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31410
Longitude:	-123.59143
WA state plane south (NAD 27, feet)	
East:	1,233,633
North:	737,426

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Devils Club Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0400
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 2.2 miles east of the FS 22/600 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:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	2.05
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	2.30
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)	1.45
Rise (m)	1.60
Length (m)	30.87
Slope (%)	3.95
Bed Material	No
Outfall Drop (m)	0.03
WDIC (m)	0.05
Apron	No
Fill Depth (m)	10.00
Tidegate	No

Culvert Comments:

Placed boulders at downstream end act as downstream control. Cast in place concrete wall on upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0164

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	16
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31391
Longitude:	-123.58640
WA state plane south (NAD 27, feet)	
East:	1,234,877
North:	737,308

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.55 miles east of the FS 22/600 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:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	1.84

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.02
Apron	No
Fill Depth (m)	4.50
Tidegate	No

Culvert Comments:

Outfall onto rip rap, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0165

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	16
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31465
Longitude:	-123.58571
WA state plane south (NAD 27, feet)	
East:	1,235,059
North:	737,570

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 2.60 miles east of the FS 22/600 junction.

Site Comments:

OHW = 1.65 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:	6/3/2004
Field Crew:	Glore/Blatt
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	1.63

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.22
Rise (m)	1.28
Length (m)	35.12
Slope (%)	10.24
Bed Material	No
Outfall Drop (m)	1.20
WDIC (m)	0.03
Apron	No
Fill Depth (m)	11.00
Tidegate	No

Culvert Comments:

Accurate plunge pool measurements obscured by large debris pile immediately downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0166

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	16
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31507
Longitude:	-123.58425
WA state plane south (NAD 27, feet)	
East:	1,235,426
North:	737,708

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.7 miles east of the FS 22/600 junction.

Site Comments:

OHW = 0.85 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
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)	0.50
Span/Toe Ratio	1.86

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	31.82
Slope (%)	8.03
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	9.50
Tidegate	No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0167

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NW
Section: 16
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31500
Longitude: -123.58166
WA state plane south (NAD 27, feet)
East: 1,236,066
North: 737,659

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Devils Club Cr 22.0400
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 2.0 miles east of the FS 22/600 junction.

Site Comments:

Small pond upstream. Juvenile coho observed.

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: 6/3/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.45
OHW (m): 2.90
Max Depth (m): 0.46

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 1.23

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.94
Length (m): 23.85
Slope (%): 2.22
Bed Material: No
Outfall Drop (m): 0.28
WDIC (m): 0.04
Apron: No
Fill Depth (m): 5.50
Tidegate: No

Culvert Comments:

Upstream end deformed and clogged with debris.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0168

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: SE
Section: 9
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31671
Longitude: -123.57686
WA state plane south (NAD 27, feet)
East: 1,237,281
North: 738,237

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Devils Club Cr 22.0400
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 3.1 miles east of the FS 22/600 junction.

Site Comments:

OHW = 3.2 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: 6/7/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.00
OHW (m): 4.00
Max Depth (m): 0.80

CHANNEL DESCRIPTION

Toe Width (m): 1.30
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): 1.98
Rise (m): 1.95
Length (m): 41.87
Slope (%): 6.13
Bed Material: No
Outfall Drop (m): 4.20
WDIC (m): 0.09
Apron: No
Fill Depth (m): 13.00
Tidegate: No

Culvert Comments:

Beveled downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0169

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NE
Section: 16
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31343
Longitude: -123.56923
WA state plane south (NAD 27, feet)
East: 1,239,126
North: 736,966

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 4.15 miles east of the FS 22/ 600 junction.

Site Comments:

OHW = 1.2 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: 6/7/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.10
OHW (m): 3.20
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 0.59
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: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m): 16.86
Slope (%): 13.67
Bed Material: No
Outfall Drop (m): 0.75
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:

127S0170

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NW
Section: 15
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31573
Longitude: -123.55778
WA state plane south (NAD 27, feet)
East: 1,241,996
North: 737,693

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the WF Satsop bridge.

Site Comments:

Gradient barrier downstream, natural point barrier 10 meters upstream.

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: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.70
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): 0.94
Rise (m): 0.84
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Angled extension on downstream end. Outfall is onto riprap, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0171

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31536
Longitude: -123.55565
WA state plane south (NAD 27, feet)
East: 1,242,520
North: 737,539

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles east of the WF Satsop bridge.

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: 6/7/2004
Field Crew: Glore/Blatt
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): 0.52
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: PVC
Span (m): 0.78
Rise (m): 0.78
Length (m): 12.94
Slope (%): 6.39
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Angled PVC extension on downstream end.
Outfall onto rip rap, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0172

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31431
Longitude: -123.55197
WA state plane south (NAD 27, feet)
East: 1,243,416
North: 737,121

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles east of the WF Satsop bridge.

Site Comments:

Natural point barrier downstream.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.05
Span/Toe Ratio: 0.91

POTENTIAL HABITAT GAIN

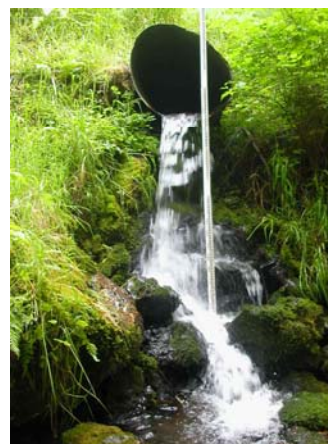
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.95
Rise (m): 0.87
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.30
WDIC (m): 0.13
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Outfall onto rip rap, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0173

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NE
Section: 15
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31321
Longitude: -123.55156
WA state plane south (NAD 27, feet)
East: 1,243,503
North: 736,714

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles east of the WF Satsop bridge.

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: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.78
OHW (m): 0.68
Max Depth (m): 0.13

CHANNEL DESCRIPTION

Toe Width (m):
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: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Intermittent subsurface flows 10 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0174

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	15
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31282
Longitude:	-123.54913
WA state plane south (NAD 27, feet)	
East:	1,244,100
North:	736,552

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.80 miles east of the WF Satsop bridge.

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:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.43
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	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	20.67
Slope (%)	6.03
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.30
Tidegate	No

Culvert Comments:

Poorly defined plunge pool due to braiding.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0175

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31401
Longitude: -123.54448
WA state plane south (NAD 27, feet)
East: 1,245,268
North: 736,938

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Little R 22.0398
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles east of the WF Satsop bridge.

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: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.37
Span/Toe Ratio: 2.38

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.88
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 4.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:

Outfall onto boulders and rip rap, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0176

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NW
Section: 14
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31457
Longitude: -123.54124
WA state plane south (NAD 27, feet)
East: 1,246,079
North: 737,114

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Little R 22.0398
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.35 miles east of the WF Satsop bridge, stream flows beneath junction of the 600/650 lines.

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: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.29
Span/Toe Ratio: 2.76

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.80
Rise (m): 0.80
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Fill has completely covered downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0177

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 650
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31577
Longitude: -123.54524
WA state plane south (NAD 27, feet)
East: 1,245,106
North: 737,588

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the 600/650 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: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.20
Span/Toe Ratio: 2.35

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.08
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:

127S0178

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 2370.700
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34218
Longitude: -123.54700
WA state plane south (NAD 27, feet)
East: 1,245,040
North: 747,233

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Robertson Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0401
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.6 miles east of the 2370/2370.700 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: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 3.80
WDIC (m): 0.02
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0179

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	2260.200
County:	Grays Harbor
1/4 Section:	SE
Section:	35
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.34658
Longitude:	-123.53013
WA state plane south (NAD 27, feet)	
East:	1,249,283
North:	748,673

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Robertson Cr 22.0401
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the 2260.200/2370 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:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.60
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)	0.72
Rise (m)	0.72
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
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:

127S0180

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 2370
County: Grays Harbor
1/4 Section: SE
Section: 35
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35256
Longitude: -123.52844
WA state plane south (NAD 27, feet)
East: 1,249,785
North: 750,839

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Robertson Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0401
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters east of the 2300.5/2370 junction.

Site Comments:

Natural point barrier 200 meters downstream, visible from road.

SPECIES POTENTIAL

- ☐ Sockeye ☐ 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: 6/7/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.20
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): 0.99
Rise (m): 1.12
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Outfall drop directly off hillside which is cliff like, making measurements unobtainable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0181

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 2370
County: Grays Harbor
1/4 Section: SW
Section: 35
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34744
Longitude: -123.54702
WA state plane south (NAD 27, feet)
East: 1,245,110
North: 749,147

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Robertson Cr 22.0401
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 miles southeast of the 2370/2300.5 junction.

Site Comments:

Natural point barriers upstream and downstream.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.80
Rise (m): 0.80
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
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:

127S0182

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2370
County: Grays Harbor
1/4 Section: NE
Section: 3
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34484
Longitude: -123.55507
WA state plane south (NAD 27, feet)
East: 1,243,079
North: 748,278

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.7 miles southeast of the FS 23/2370 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 1.42

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.45
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0183

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2370
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34953
Longitude: -123.56162
WA state plane south (NAD 27, feet)
East: 1,241,524
North: 750,052

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles south of the FS 22/2370 junction.

Site Comments:

OHW = 0.4 meters. High gradient 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.79
Rise (m): 0.79
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m):
WDIC (m):
Apron:
Fill Depth (m): 0.50
Tidegate:

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0184

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2370
County: Grays Harbor
1/4 Section: NE
Section: 34
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35704
Longitude: -123.55305
WA state plane south (NAD 27, feet)
East: 1,243,752
North: 752,705

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 20 meters southeast of the FS 22/2370 junction.

Site Comments:

Natural point barriers upstream and downstream on Spoon Creek. OHW = 1.70 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.10
OHW (m): 1.90
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 1.20
Span/Toe Ratio: 0.77

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.92
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.40
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:

127S0185

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NE
Section: 34
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35714
Longitude: -123.55334
WA state plane south (NAD 27, feet)
East: 1,243,682
North: 752,745

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters southeast of the FS 23/2370 junction.

Site Comments:

Natural point barriers upstream and downstream on Spoon Creek. OHW = 1.7 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.20
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): 1.24
Rise (m): 1.21
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.60
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0186

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NE
Section: 34
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35744
Longitude: -123.55226
WA state plane south (NAD 27, feet)
East: 1,243,953
North: 752,842

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.25 miles southeast of the FS 22/23 junction.

Site Comments:

Natural point barrier for andaromous species downstream on Spoon Creek. OHW = 0.95 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: 6/10/2004
Field Crew: Glore/Blatt
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: 0.89

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.62
Rise (m): 0.62
Length (m): 11.81
Slope (%): 11.47
Bed Material: No
Outfall Drop (m): 0.49
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:

127S0187

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35935
Longitude: -123.54880
WA state plane south (NAD 27, feet)
East: 1,244,836
North: 753,507

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.45 miles southeast of the FS 22/23 junction.

Site Comments:

Natural point barrier for andaromous species downstream on Spoon Creek. OHW = 3.1 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.30
OHW (m): 4.15
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 2.60
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): 1.82
Rise (m): 1.82
Length (m): 11.98
Slope (%): 4.57
Bed Material: No
Outfall Drop (m): 0.80
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:

127S0188

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: SW
Section: 26
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36102
Longitude: -123.54771
WA state plane south (NAD 27, feet)
East: 1,245,130
North: 754,104

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.60 miles southeast of the FS 23/22 junction.

Site Comments:

Natural point barrier for andaromous species downstream on Spoon Creek. OHW = 2.65 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: 6/10/2004
Field Crew: Glore/Blatt
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): 2.10
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): 2.00
Rise (m): 1.98
Length (m): 15.23
Slope (%): 13.64
Bed Material: No
Outfall Drop (m): 0.55
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert is beveled upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0189

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: SW
Section: 26
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36357
Longitude: -123.54406
WA state plane south (NAD 27, feet)
East: 1,246,071
North: 754,998

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Spoon Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0403
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.85 miles southeast of the FS 22/23 junction.

Site Comments:

Natural point barrier for andaromous species downstream near confluence with WF Satsop. OHW = 4.75 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 3.80
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): 3.76
Rise (m): 2.40
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Both ends of culvert are beveled. Level A incomplete due to lack of andaromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0190

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36719
Longitude: -123.53041
WA state plane south (NAD 27, feet)
East: 1,249,501
North: 756,188

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Spoon Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0403
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 3.55 miles east of the FS 22/23 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Spoon Creek. OHW = 4.9 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 6.50
OHW (m): 8.00
Max Depth (m): 1.30

CHANNEL DESCRIPTION

Toe Width (m): 2.75
Span/Toe Ratio: 0.61

POTENTIAL HABITAT GAIN

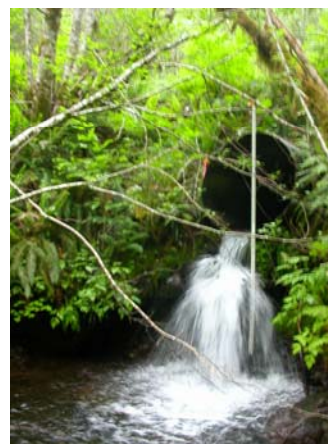
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.68
Rise (m): 1.72
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.10
WDIC (m): 0.07
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Level A incomplete due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0191

Fish Use:

Yes

PI:

Barrier:

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36649
Longitude: -123.52402
WA state plane south (NAD 27, feet)
East: 1,251,075
North: 755,871

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0404
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 3.9 miles east of the FS 23/22 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Spoon Creek. OHW = 5.0 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 7.05
OHW (m): 4.85
Max Depth (m): 0.70

CHANNEL DESCRIPTION

Toe Width (m): 3.95
Span/Toe Ratio: 0.46

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: SQSH
Material: CST
Span (m): 1.82
Rise (m): 1.09
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Both ends of culvert are beveled. Pipe 1.2 is on left bank. Level A not completed due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0191

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.18
Rise (m)	1.32
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.43
WDIC (m)	0.11
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank. Level A not completed due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0192

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NW
Section: 25
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36634
Longitude: -123.52380
WA state plane south (NAD 27, feet)
East: 1,251,127
North: 755,816

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0404
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 3.95 miles east of the FS 22/23 junction.

Site Comments:

Natural point barrier for anadromous species downstream on Spoon Creek. OHW = 5.0 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 6.20
OHW (m): 4.60
Max Depth (m): 1.10

CHANNEL DESCRIPTION

Toe Width (m): 3.95
Span/Toe Ratio: 0.43

POTENTIAL HABITAT GAIN

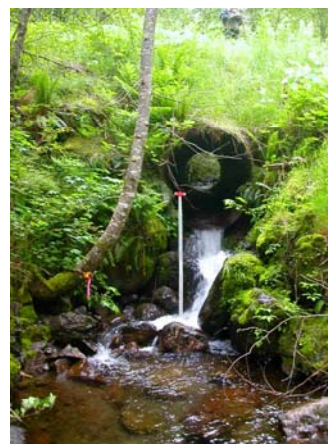
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.70
Rise (m): 1.90
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.45
WDIC (m): 0.11
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Level A incomplete due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0193

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36840
Longitude: -123.51355
WA state plane south (NAD 27, feet)
East: 1,253,694
North: 756,469

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Spoon Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0403
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 4.65 miles east of the FS 22/23 junction.

Site Comments:

5-20 meter vertical falls immediately upstream, natural point barrier. Natural point barrier for anadromous species downstream on Spoon Creek. OHW = 3.1 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method:
Repair Status: UD
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.60
OHW (m): 2.45
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 1.95
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.16
Rise (m): 1.05
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.04
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:

Level A not completed due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0194

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NE
Section: 25
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37062
Longitude: -123.50813
WA state plane south (NAD 27, feet)
East: 1,255,067
North: 757,226

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0387
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 5.6 miles east of the FS 22/23 junction.

Site Comments:

Gradient barrier downstream, natural point barrier upstream.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.07
Rise (m): 1.12
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.00
WDIC (m): 0.03
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:

127S0195

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35496
Longitude: -123.56248
WA state plane south (NAD 27, feet)
East: 1,241,388
North: 752,038

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Spoon Cr 22.0403
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles southeast of the FS 22/23 junction.

Site Comments:

Natural point barrier for andaromous species downstream on Spoon Creek. OHW = 1.55 meters. Gradient barrier upstream and downstream.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.80
Span/Toe Ratio: 1.15

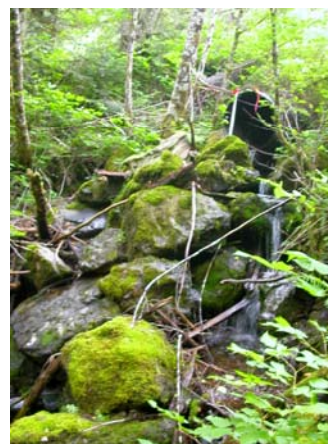
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.92
Rise (m): 0.93
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0196

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35859
Longitude: -123.56852
WA state plane south (NAD 27, feet)
East: 1,239,942
North: 753,418

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.1 miles southeast of FS 22/23 junction.

Site Comments:

Gradient barrier downstream. 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: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.65
Rise (m): 0.65
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
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:

127S0197

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: NW
Section: 34
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35925
Longitude: -123.56801
WA state plane south (NAD 27, feet)
East: 1,240,079
North: 753,654

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.05 miles southeast of the FS 22/23 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.65
Rise (m): 0.65
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0198

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36346
Longitude: -123.56853
WA state plane south (NAD 27, feet)
East: 1,240,009
North: 755,196

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.75 miles southeast of the FS 22/23 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.28
Rise (m): 1.28
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0199

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 27
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36950
Longitude: -123.55892
WA state plane south (NAD 27, feet)
East: 1,242,473
North: 757,303

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 miles northeast of the FS 23/2372 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 2.45
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): 1.48
Rise (m): 1.63
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m):
Apron: No
Fill Depth (m): 10.00
Tidegate: No

Culvert Comments:

Culvert is dry, water is flowing through road fill.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0200

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 27
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36947
Longitude: -123.55665
WA state plane south (NAD 27, feet)
East: 1,243,037
North: 757,269

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.15 miles northeast of the FS 23/2372 junction.

Site Comments:

Gradient barrier downstream. Stream dry at time of sample.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.55
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): 1.09
Rise (m): 1.12
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0201

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 27
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36923
Longitude: -123.55446
WA state plane south (NAD 27, feet)
East: 1,243,575
North: 757,162

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.30 miles northeast of the FS 23/2372 junction.

Site Comments:

Tributary is ephemeral and dry at time of sample. OHW = 1.55 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: 6/10/2004
Field Crew: Glore/Blatt
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): 0.85
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): 0.93
Rise (m): 0.96
Length (m): 14.53
Slope (%): 8.92
Bed Material: No
Outfall Drop (m): 4.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Channel is scouring out downstream due to outfall drop of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0202

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 26
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37154
Longitude: -123.54633
WA state plane south (NAD 27, feet)
East: 1,245,620
North: 757,925

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 1.75 miles northeast of the FS 23/2372 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:

Stream has well defined channel US/DS, but is ephemeral. Confluence with the WF Satsop is approximately 150 meters downstream of culvert. OHW = 4.75 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 2.40
Span/Toe Ratio: 0.84

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): 1.58
Length (m): 9.93
Slope (%): 1.64
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

US end of culvert is beveled and looks to be recently replaced.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0203

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SW
Section: 23
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37442
Longitude: -123.54091
WA state plane south (NAD 27, feet)
East: 1,247,004
North: 758,925

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.10 miles northeast of the FS 23/2372 junction.

Site Comments:

OHW = 5.10 meters.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 3.00
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): 2.81
Rise (m): 1.94
Length (m): 10.08
Slope (%): 4.76
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.10
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Culvert is beveled on both ends. Upstream is a bar diversion placed in stream. Riffles directly downstream, no plunge pool measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0204

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38116
Longitude: -123.53592
WA state plane south (NAD 27, feet)
East: 1,248,334
North: 761,332

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 2.60 miles northeast of the FS 23/2372 junction.

Site Comments:

Confluence with WF Satsop is approximately 80 meters downstream. OHW = 3.40 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.80
OHW (m): 3.55
Max Depth (m): 0.80

CHANNEL DESCRIPTION

Toe Width (m): 1.65
Span/Toe Ratio: 0.68

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.12
Rise (m): 1.12
Length (m): 27.72
Slope (%): 9.22
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.03
Apron: No
Fill Depth (m): 7.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0205

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372.1
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38206
Longitude: -123.53641
WA state plane south (NAD 27, feet)
East: 1,248,225
North: 761,667

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles northeast of the FS 2372/2372.1 junction.

Site Comments:

Road is washing out on right bank side of pipe.
OHW = 3.40 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: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.05
OHW (m): 3.85
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.65
Span/Toe Ratio: 1.16

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: ELL
Material: CST
Span (m): 1.91
Rise (m): 2.33
Length (m): 11.91
Slope (%): 13.23
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Culvert has is banana shaped with road washing away around it on right bank side.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0206

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372.1
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38369
Longitude: -123.53549
WA state plane south (NAD 27, feet)
East: 1,248,475
North: 762,252

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles northeast of the FS 2372/2372.1 junction.

Site Comments:

Tributary is ephemeral with water only in plunge pool. OHW = 4.0 meters.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 7.50
OHW (m): 4.00
Max Depth (m): 1.00

CHANNEL DESCRIPTION

Toe Width (m): 3.08
Span/Toe Ratio: 0.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.31
Rise (m): 1.26
Length (m): 14.79
Slope (%): 8.00
Bed Material: No
Outfall Drop (m): 6.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is scoured out and very dangerous. Passability is most likely near or at zero.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0207

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38293
Longitude: -123.53462
WA state plane south (NAD 27, feet)
East: 1,248,681
North: 761,966

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.70 miles northeast of the FS 23/2372 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:

Confluence with the WF Satsop is approximately 20 meters downstream of culvert. Tributary is ephemeral. OHW = 4.0 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 2.45
Max Depth (m): 0.65

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m): 3.08
Span/Toe Ratio: 0.41

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.26
Rise (m): 1.26
Length (m): 11.56
Slope (%): 5.88
Bed Material: No
Outfall Drop (m): 4.50
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:

127S0208

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 23
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38348
Longitude: -123.53369
WA state plane south (NAD 27, feet)
East: 1,248,918
North: 762,159

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.80 miles northeast of the FS 23/2372 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:

Natural point barrier downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.45
Span/Toe Ratio: 0.78

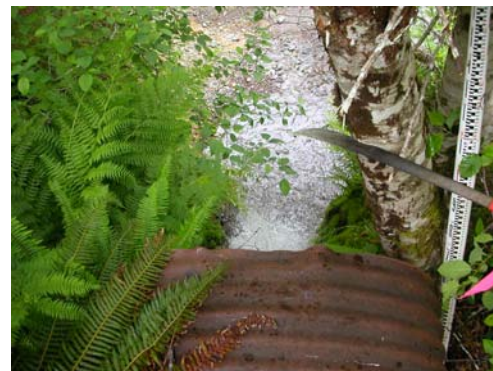
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.13
Rise (m): 1.04
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0209

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NW
Section: 24
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38757
Longitude: -123.52534
WA state plane south (NAD 27, feet)
East: 1,251,043
North: 763,569

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.30 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. Confluence with WF Satsop 80 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.10
OHW (m): 0.80
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 1.68

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.85
Rise (m): 1.85
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.60
WDIC (m): 0.05
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Recently installed culvert sits atop old failing pipe. Old pipe is filled with substrate and not passing any water. Downstream end of culvert is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0210

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SW
Section: 13
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38861
Longitude: -123.52314
WA state plane south (NAD 27, feet)
East: 1,251,602
North: 763,926

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.45 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. Severe scour on left bank downstream. OHW = 1.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.94
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.65
WDIC (m): 0.00
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Outfall drop is directly onto rip-rap pile, no plunge pool measurement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0211

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39120
Longitude: -123.51616
WA state plane south (NAD 27, feet)
East: 1,253,364
North: 764,804

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.80 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. Ephemeral stream dry at time of survey. OHW = 1.78 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.20
OHW (m): 3.08
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.32
Rise (m): 1.32
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.34
WDIC (m): 0.00
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Scour on right bank, downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0212

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SE
Section: 13
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39380
Longitude: -123.51316
WA state plane south (NAD 27, feet)
East: 1,254,144
North: 765,724

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 4.05 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. OHW = 1.95 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.84
OHW (m): 3.08
Max Depth (m): 0.56

CHANNEL DESCRIPTION

Toe Width (m): 0.96
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): 0.97
Rise (m): 0.97
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.30
WDIC (m): 0.03
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:

Culvert is beveled and modified on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0213

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2374
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39768
Longitude: -123.51296
WA state plane south (NAD 27, feet)
East: 1,254,248
North: 767,136

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 4.35 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. Intermittent subsurface flows downstream of culvert. OHW = 1.30 meters.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.51
OHW (m): 3.05
Max Depth (m): 0.59

CHANNEL DESCRIPTION

Toe Width (m): 0.70
Span/Toe Ratio: 2.00

POTENTIAL HABITAT GAIN

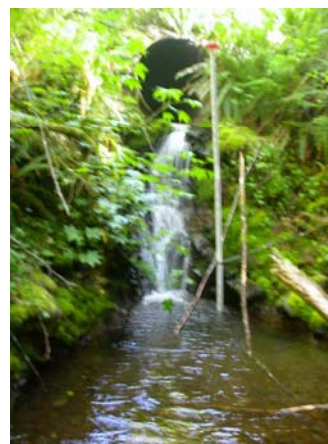
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.41
Rise (m): 1.41
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 3.05
WDIC (m): 0.02
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:

Downstream end of pipe is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0214

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39991
Longitude: -123.51421
WA state plane south (NAD 27, feet)
East: 1,253,970
North: 767,963

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 4.50 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. OHW = 1.65 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.51
OHW (m): 1.16
Max Depth (m): 0.53

CHANNEL DESCRIPTION

Toe Width (m): 0.94
Span/Toe Ratio: 1.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.34
Rise (m): 1.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 3.80
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:

127S0215

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2364
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40217
Longitude: -123.51011
WA state plane south (NAD 27, feet)
East: 1,255,016
North: 768,746

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.40 miles southeast of the FS 2372/2364 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. OHW = 1.97 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.10
OHW (m): 2.33
Max Depth (m): 0.68

CHANNEL DESCRIPTION

Toe Width (m): 0.71
Span/Toe Ratio: 1.83

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.30
Rise (m): 1.30
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.08
WDIC (m): 0.03
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Abundant LWD and debris upstream and downstream, gradient barrier upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0216

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2364
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39977
Longitude: -123.50555
WA state plane south (NAD 27, feet)
East: 1,256,111
North: 767,830

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles southeast of the FS 2372/2364 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop.

SPECIES POTENTIAL

- ☐ Sockeye ☐ 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.93
Rise (m): 0.93
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 4.50
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:

127S0217

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2364
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.39943
Longitude:	-123.50531
WA state plane south (NAD 27, feet)	
East:	1,256,166
North:	767,701

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	WF Satsop 22.0364
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.80 miles southeast of the FS 2372/2364 junction. 25 meters further southeast than 127S0216.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop.

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:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Downstream end of culvert is deformed, no plunge pool or outfall measurement as culvert pours out onto bedrock slide.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0218

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40574
Longitude: -123.51814
WA state plane south (NAD 27, feet)
East: 1,253,077
North: 770,124

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 4.95 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. OHW = 2.08 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 4.10
OHW (m): 3.05
Max Depth (m): 0.56

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.31
Rise (m): 1.31
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.58
WDIC (m): 0.00
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Stream dry at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0219

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SW
Section: 12
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.40693
Longitude: -123.52008
WA state plane south (NAD 27, feet)
East: 1,252,614
North: 770,574

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 5.05 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. No defined stream channel, perennials growing throughout channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: US Forest Service
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.09
Rise (m): 1.09
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0220

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41481
Longitude: -123.53250
WA state plane south (NAD 27, feet)
East: 1,249,651
North: 773,567

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 5.95 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop.

SPECIES POTENTIAL

- ☐ Sockeye ☐ 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 6.95
OHW (m): 5.85
Max Depth (m): 1.12

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

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): 1.93
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.55
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Perennial stream enters 2 meters downstream of culvert on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0221

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2372
County: Grays Harbor
1/4 Section: SE
Section: 2
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.41708
Longitude: -123.52872
WA state plane south (NAD 27, feet)
East: 1,250,619
North: 774,356

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 6.25 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. OHW = 0.92 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: 6/17/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 1.02
Rise (m): 1.02
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:

Stream dry at time of sample. Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0221

Fish Use:

No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.02
Rise (m)	1.02
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 2.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0222

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	SE
Section:	2
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.42247
Longitude:	-123.53126
WA state plane south (NAD 27, feet)	
East:	1,250,066
North:	776,345

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 Satsop 22.0364
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 6.75 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. OHW = 2.87 meters.

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:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	5.08
OHW (m)	2.88
Max Depth (m)	1.10

CHANNEL DESCRIPTION

Toe Width (m)	1.37
Span/Toe Ratio	0.79

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.08
Rise (m)	1.08
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.38
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Very steep upstream, probable gradient barrier. Abundant LWD downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0223

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	14
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31432
Longitude:	-123.54052
WA state plane south (NAD 27, feet)	
East:	1,246,255
North:	737,013

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters east of the 600/650 junction.

Site Comments:

OHW = 3.0 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:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.55
OHW (m)	2.80
Max Depth (m)	0.30

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)	0.92
Rise (m)	0.92
Length (m)	31.89
Slope (%)	6.78
Bed Material	No
Outfall Drop (m)	1.20
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Downstream end of culvert is rusted out on bottom.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0224

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31342
Longitude:	-123.53349
WA state plane south (NAD 27, feet)	
East:	1,247,985
North:	736,620

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 2.15 miles east of the WF Satsop bridge.

Site Comments:

OHW > 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

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)	4.90
OHW (m)	1.55
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:	1.2
Shape	RND
Material	CST
Span (m)	1.33
Rise (m)	1.04
Length (m)	39.05
Slope (%)	9.69
Bed Material	No
Outfall Drop (m)	1.21
WDIC (m)	0.04
Apron	No
Fill Depth (m)	9.00
Tidegate	No

Culvert Comments:

Plunge pool is scoured out bedrock. Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0224

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.29
Rise (m)	1.16
Length (m)	38.58
Slope (%)	9.85
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.03
Apron	No
Fill Depth (m)	9.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0225

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31087
Longitude:	-123.52758
WA state plane south (NAD 27, feet)	
East:	1,249,414
North:	735,634

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0378
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 2.70 miles east of the WF Satsop bridge.

Site Comments:

OHW = 0.50 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:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.30
OHW (m)	1.75
Max Depth (m)	0.21

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Downstream channel is excavated, not able to obtain toe measurement. OHW measurement was 0.5 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0226

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31088
Longitude:	-123.52201
WA state plane south (NAD 27, feet)	
East:	1,250,796
North:	735,585

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0378
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 2.95 miles east of the WF Satsop bridge. Culvert located at the 600/615 junction.

Site Comments:

OHW = 2.15 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

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)	6.90
OHW (m)	4.15
Max Depth (m)	1.05

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.76
Rise (m)	0.76
Length (m)	30.03
Slope (%)	5.64
Bed Material	No
Outfall Drop (m)	1.15
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0227

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2370.1
County: Grays Harbor
1/4 Section: NW
Section: 12
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32632
Longitude: -123.52082
WA state plane south (NAD 27, feet)
East: 1,251,306
North: 741,201

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Little R 22.0398
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.20 miles north of the 2260/2370 junction.

Site Comments:

Stream starts to braid 5 meters downstream. 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: 6/24/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.71
Rise (m): 0.71
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

No plunge pool due to larger log creating natural weir downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0228

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2370.1
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32747
Longitude:	-123.51978
WA state plane south (NAD 27, feet)	
East:	1,251,578
North:	741,610

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.30 miles north of the FS 2260/2370 junction.

Site Comments:

Confluence with larger stream 30 meters downstream of culvert. OHW = 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.40
OHW (m)	0.95
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	0.39
Span/Toe Ratio	1.90

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	18.69
Slope (%)	12.79
Bed Material	No
Outfall Drop (m)	0.15
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:

127S0229

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2370.1
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.32797
Longitude:	-123.52011
WA state plane south (NAD 27, feet)	
East:	1,251,504
North:	741,795

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.35 miles north of the FS 2260/2370 junction.

Site Comments:

Culvert seems to be recently replaced with rip-rap controls downstream. OHW = 1.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	3.43

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)	24.94
Slope (%)	5.78
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Riffles downstream of culvert with no plunge pool. Culvert 1.2 is located on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0229

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)	24.67
Slope (%)	4.48
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Rip-rap directly downstream of culvert. Culvert 2.2 is located on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0230

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2370
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34638
Longitude: -123.52460
WA state plane south (NAD 27, feet)
East: 1,250,649
North: 748,548

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Little R 22.0398
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.95 miles north of the FS 2260/2370 junction.

Site Comments:

Gradient barrier upstream and downstream, steel debris grate on upstream end.

SPECIES POTENTIAL

- ☐ Sockeye ☐ 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: 6/24/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.33
Span/Toe Ratio: 3.06

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: SQSH
Material: CST
Span (m): 1.01
Rise (m): 0.75
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m):
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Stream flows directly into rip-rap cascades downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0231

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2260.2
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33978
Longitude: -123.53538
WA state plane south (NAD 27, feet)
East: 1,247,885
North: 746,244

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Little R 22.0398
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 3.10 miles north of the FS 2260/2260.2 junction.

Site Comments:

Downstream end of culvert is covered by downed log. 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: 6/24/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0232

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31053
Longitude:	-123.52053
WA state plane south (NAD 27, feet)	
East:	1,251,156
North:	735,444

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Canyon R 22.0377
WRIA:	22.0378
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 1.25 miles west of the Canyon R Bridge.

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:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.10
OHW (m)	2.20
Max Depth (m)	0.17

CHANNEL DESCRIPTION

Toe Width (m)	0.95
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)	0.91
Rise (m)	0.91
Length (m)	26.17
Slope (%)	6.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	7.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0233

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	614
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.31610
Longitude:	-123.52155
WA state plane south (NAD 27, feet)	
East:	1,250,982
North:	737,483

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0378
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.70 miles north of the FS 2260/614 junction.

Site Comments:

Gradient barrier upstream. Road beginning to wash out 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:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.20
OHW (m)	1.60
Max Depth (m)	0.29

CHANNEL DESCRIPTION

Toe Width (m)	0.78
Span/Toe Ratio	1.59

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.24
Rise (m)	1.24
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.86
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0234

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: NW
Section: 13
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30811
Longitude: -123.51980
WA state plane south (NAD 27, feet)
East: 1,251,304
North: 734,554

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0378
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 miles west of the Canyon R bridge.

Site Comments:

Channel has perennial growth throughout. Confluence with larger stream 50 meters downstream. OHW = 0.40 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.25
OHW (m): 1.25
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.18

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.70
WDIC (m): 0.01
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0235

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2260.1
County: Grays Harbor
1/4 Section: NE
Section: 13
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30748
Longitude: -123.51543
WA state plane south (NAD 27, feet)
East: 1,252,379
North: 734,281

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Canyon R 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles north of the FS 2260/2260.1 junction.

Site Comments:

OHW = 0.48 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.50
OHW (m): 1.60
Max Depth (m): 0.18

CHANNEL DESCRIPTION

Toe Width (m): 0.32
Span/Toe Ratio: 1.91

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): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.13
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is beginning to rust away, stream has intermittent subsurface flows.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0236

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30291
Longitude:	-123.51629
WA state plane south (NAD 27, feet)	
East:	1,252,102
North:	732,624

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0378
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.65 miles west of the Canyon R bridge.

Site Comments:

Small stream with incised channel. Upstream delivery to culvert is excavated. OHW = 0.75 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.90
OHW (m)	1.50
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	10.65
Slope (%)	5.23
Bed Material	No
Outfall Drop (m)	0.64
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Last section of culvert has dislodged and lies in plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0237

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 600
County: Grays Harbor
1/4 Section: SW
Section: 18
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30278
Longitude: -123.50475
WA state plane south (NAD 27, feet)
East: 1,254,961
North: 732,469

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Canyon R 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles east of the Canyon R bridge.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.30
Span/Toe Ratio: 2.03

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert has an extension on downstream end. Gradient barrier immediately upstream, another road (500 line) crossing is visible 30 meters upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0238

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 500
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29616
Longitude: -123.51011
WA state plane south (NAD 27, feet)
East: 1,253,539
North: 730,107

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Canyon R 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 5.40 miles north of the FS 2087(500 line)/Boundary 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/24/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.32
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

No defined plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0239

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6900
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.18707
Longitude: -123.53353
WA state plane south (NAD 27, feet)
East: 1,246,202
North: 690,568

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0423
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.50 miles northeast of the 6900/Cougar Smith Rd junction.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

Stream goes subsurface approximately 5 meters downstream of culvert, then flows into wetland. OHW = 0.20 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/28/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.45
OHW (m): 2.20
Max Depth (m): 0.35

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m): 0.20
Span/Toe Ratio: 2.25

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.33
Apron: No
Fill Depth (m): 0.10
Tidegate: No

Culvert Comments:

Plunge pool excavated. Stream mapped as flowing NW into Singer Creek, but actually flows SE towards unnamed 22.0423 and the West Fork Satsop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0240

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6921
County:	Grays Harbor
1/4 Section:	SW
Section:	14
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.21287
Longitude:	-123.52902
WA state plane south (NAD 27, feet)	
East:	1,247,684
North:	699,927

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Halsey Cr 22.0422
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.60 miles southwest of the 6921/6900 junction.

Site Comments:

Upstream is wetland, not able to find submerged end of culvert. OHW = 0.75 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.40
Span/Toe Ratio	2.25

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

Beaver dam upstream reducing fish passage.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0241

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6920
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21884
Longitude: -123.53277
WA state plane south (NAD 27, feet)
East: 1,246,837
North: 702,139

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Halsey Cr
Tributary To: MF Satsop 22.0414
WRIA: 22.0422
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of the 6920/6970 junction.

Site Comments:

Backwatered wetland area with forested habitat surrounding. OHW > 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/28/2004
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.38
Rise (m): 1.38
Length (m): 9.25
Slope (%): -0.83
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.23
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:

Wetlands downstream, no plunge pool or toe measurement. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0242

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6920
County:	Grays Harbor
1/4 Section:	NW
Section:	22
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.20628
Longitude:	-123.53980
WA state plane south (NAD 27, feet)	
East:	1,244,914
North:	697,629

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Halsey Cr 22.0422
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is located at the junction of the 6920/6970 lines.

Site Comments:

Perennial growth present throughout channel. Likely that culvert passes water during fall when upper standing pools are full. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.75
OHW (m)	0.70
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.34
Rise (m)	0.28
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:

Unable to obtain toe, undefined channel downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0243

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 697 SA
County: Grays Harbor
1/4 Section: NW
Section: 27
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.19450
Longitude: -123.54369
WA state plane south (NAD 27, feet)
East: 1,243,782
North: 693,373

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Singer Cr 22.0375
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.0 miles north of the 6900/Cougar Smith Rd junction. On spur East off the 6900 line.

Site Comments:

Tributary is ephemeral, 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: 6/28/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.05
OHW (m): 0.65
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.22
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:

127S0244

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad grade
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.21960
Longitude: -123.53339
WA state plane south (NAD 27, feet)
East: 1,246,693
North: 702,422

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: Halsey Cr
Tributary To: WF Satsop 22.0364
WRIA: 22.0422
Fish Use: Yes
FUP Criteria: Biological

Location / Directions:

Water crossing is approximately 1.65 miles southwest from Kelly Rd/rail grade junction.

Site Comments:

Abundant juveniles observed downstream.
OHW > 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/28/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: OT
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 11.00
OHW (m): 8.00
Max Depth (m): 1.70

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.91
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.50
WDIC (m): 0.00
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Last section of PCC culvert is laying in plunge pool. Wetlands upstream and downstream. Upstream end is covered by debris from beaver, not allowing fish passage or measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0245

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6900
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23302
Longitude:	-123.51255
WA state plane south (NAD 27, feet)	
East:	1,252,056
North:	707,116

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters west of the Kelly Rd/6900 junction.

Site Comments:

OHW = 2.05 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input 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:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	8.75
OHW (m)	5.85
Max Depth (m)	1.25

CHANNEL DESCRIPTION

Toe Width (m)	1.45
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)	1.36
Rise (m)	1.37
Length (m)	23.03
Slope (%)	0.86
Bed Material	No
Outfall Drop (m)	1.50
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Plunge pool is scoured out and flow falls onto concrete blocks. No water is culvert at time of sample.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0246

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6800
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23384
Longitude:	-123.51201
WA state plane south (NAD 27, feet)	
East:	1,252,202
North:	707,408

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 10 meters west of the 6800/Kelly Rd junction.

Site Comments:

Stream runs next to roadside in ditch, channel is excavated and dry at time of sample. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/29/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	6.90
OHW (m)	3.20
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.23
Rise (m)	1.22
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.20
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Excavated ditch is channel, no toe measurement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0247

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6901
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23482
Longitude: -123.52704
WA state plane south (NAD 27, feet)
East: 1,248,483
North: 707,910

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Halsey Cr 22.0422
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the 6900/6901 junction.

Site Comments:

Perennial growth throughout channel with no defined stream width measurements available.

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: 6/29/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.15
OHW (m): 1.75
Max Depth (m): 0.42

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL 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): 0.26
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:

127S0248

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6901
County: Grays Harbor
1/4 Section: SW
Section: 11
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23460
Longitude: -123.52785
WA state plane south (NAD 27, feet)
East: 1,248,280
North: 707,836

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Halsey Cr 22.0422
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.55 miles northwest of the 6900/6901 junction.

Site Comments:

Perennial growth throughout undefined stream channel. OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/29/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.70
OHW (m): 1.70
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.50
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:

127S0249

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6901
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24163
Longitude: -123.53331
WA state plane south (NAD 27, feet)
East: 1,247,023
North: 710,453

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Canyon R 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles west of the 6900/6901 junction.

Site Comments:

8 meter natural point barrier at confluence with Canyon R. 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/29/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.30
OHW (m): 2.25
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m): 0.35
Span/Toe Ratio: 1.74

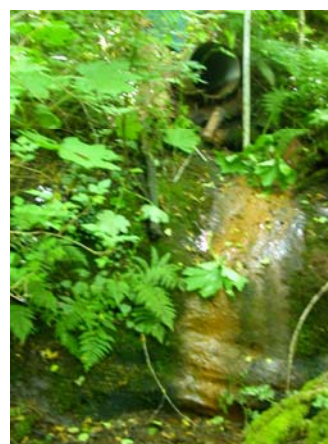
POTENTIAL HABITAT GAIN

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): 2.20
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:

127S0250

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6901
County: Grays Harbor
1/4 Section: SW
Section: 2
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24248
Longitude: -123.52489
WA state plane south (NAD 27, feet)
East: 1,249,125
North: 710,682

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Satsop 22.0414
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles west of the 6901/560 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:

Primarily ditch delivery with perennial growth throughout downstream channel, which is dry at time of sample. OHW < 0.60 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/29/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.05
OHW (m): 1.20
Max Depth (m): 0.20

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
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:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0251

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 560
County: Grays Harbor
1/4 Section: SE
Section: 2
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.24179
Longitude: -123.51887
WA state plane south (NAD 27, feet)
East: 1,250,608
North: 710,372

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: MF Satsop 22.0414
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles northwest of the 500/560 junction.

Site Comments:

Poorly defined 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: 6/29/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0252

Fish Use: Unk

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 500
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.25735
Longitude: -123.51509
WA state plane south (NAD 27, feet)
East: 1,251,765
North: 716,009

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Canyon R 22.0377
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles north of the 500/Kelly Rd junction.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

Two small wetland/marsh areas meet at upstream end of culvert. Wetland influence downstream. OHW near 0.6 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/29/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 3.10
OHW (m): 3.40
Max Depth (m): 0.83

POTENTIAL HABITAT GAIN

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

CULVERT DESCRIPTION

Sequencer: 1.3
Shape: RND
Material: CST
Span (m): 0.90
Rise (m): 0.90
Length (m): 19.53
Slope (%): 2.15
Bed Material: No
Outfall Drop (m): 0.47
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

1.3 and 2.3 share common plunge pool. Pipe 1.3 is on left bank. Accurate toe measurement obscured by wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0252

Fish Use:

Unk

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.3
Shape	RND
Material	CST
Span (m)	0.77
Rise (m)	0.77
Length (m)	18.85
Slope (%)	2.07
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

1.3 and 2.3 share common plunge pool. Pipe 2.3 is center culvert. Accurate toe measurement obscured by wetland influence.



CULVERT DESCRIPTION

Sequencer:	3.3
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.25
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

Unable to locate upstream end of culvert, level A incomplete. Culvert 3.3 has its own plunge pool and is located 10 meters north of 1.3 and 2.3.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0253

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27460
Longitude: -123.57366
WA state plane south (NAD 27, feet)
East: 1,237,476
North: 722,856

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles northwest of the 7600/7600-J junction.

Site Comments:

Perennial growth throughout downstream 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: 7/6/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.15
Span/Toe Ratio: 3.00

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 4.50
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0254

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27569
Longitude: -123.57469
WA state plane south (NAD 27, feet)
East: 1,237,236
North: 723,262

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.30 miles northwest of the 7600/7600-J 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: 7/6/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.70
OHW (m): 4.05
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 1.15
Span/Toe Ratio: 1.05

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): 1.25
Length (m): 20.59
Slope (%): 4.97
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert heavily rusted downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0255

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 28
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27557
Longitude: -123.57452
WA state plane south (NAD 27, feet)
East: 1,237,276
North: 723,218

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.30 miles northwest of the 7600/7600-J 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/6/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 2.75
Max Depth (m): 0.10

CHANNEL DESCRIPTION

Toe Width (m): 2.30
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): 1.21
Rise (m): 1.24
Length (m): 19.73
Slope (%): 12.79
Bed Material: No
Outfall Drop (m): 0.55
WDIC (m): 0.13
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Grade break in culvert. Outfall is onto bedrock.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0256

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	28
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.27975
Longitude:	-123.57370
WA state plane south (NAD 27, feet)	
East:	1,237,539
North:	724,733

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 Satsop 22.0364
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.50 miles northwest of the 7600/7660 junction.

Site Comments:

Perennial growth throughout channel, OHW < 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/6/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.15
OHW (m)	1.90
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.36
Rise (m)	0.36
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0257

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28282
Longitude: -123.57650
WA state plane south (NAD 27, feet)
East: 1,236,889
North: 725,880

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.65 miles northwest of the 7600/7660 junction.

Site Comments:

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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 7/6/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.05
OHW (m): 3.95
Max Depth (m): 1.10

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 0.67

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.20
Rise (m): 1.22
Length (m): 20.34
Slope (%): 1.44
Bed Material: No
Outfall Drop (m): 0.45
WDIC (m): 0.06
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0258

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NE
Section: 28
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.28295
Longitude: -123.57622
WA state plane south (NAD 27, feet)
East: 1,236,959
North: 725,923

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles northwest of the 7600/7660 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: 7/6/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 0.35
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): 0.28
WDIC (m): 0.02
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert is beveled downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0259

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: NW
Section: 21
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.29435
Longitude: -123.58151
WA state plane south (NAD 27, feet)
East: 1,235,811
North: 730,130

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the 7600/7670 junction.

Site Comments:

OHW = 1.8 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: 7/6/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.85
OHW (m): 1.30
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 1.25
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): 0.92
Rise (m): 0.92
Length (m): 17.46
Slope (%): 8.26
Bed Material: No
Outfall Drop (m): 2.95
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:

127S0260

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2371
County: Grays Harbor
1/4 Section: SE
Section: 27
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36364
Longitude: -123.57253
WA state plane south (NAD 27, feet)
East: 1,239,020
North: 755,299

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles southeast of the 2371/2300 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: 8/16/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 1.05
Rise (m): 1.07
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Channel dry directly 2.5 meters upstream with water percolating into substrate. Gradient barrier upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0261

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 2371
County: Grays Harbor
1/4 Section: NW
Section: 33
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35603
Longitude: -123.58622
WA state plane south (NAD 27, feet)
East: 1,235,521
North: 752,657

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.25 miles southeast of the FS 2300/2371 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: 8/16/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.46
Rise (m): 0.46
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:

127S0262

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04553
Longitude: -123.53215
WA state plane south (NAD 27, feet)
East: 1,244,563
North: 638,969

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0414
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of W Satsop Rd/Middle Satsop Rd junction, beneath private access road 20 meters east.

Site Comments:

County owned culvert 15 meters upstream. 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: Lloyd Foss and Elizabeth Per
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 8/26/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 0.70
OHW (m): 0.30
Max Depth (m): 0.11

CHANNEL DESCRIPTION

Toe Width (m): 0.45
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: PVC
Span (m): 0.38
Rise (m): 0.38
Length (m): 6.11
Slope (%): 6.64
Bed Material: No
Outfall Drop (m): 0.30
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:

127S0263

Fish Use: Yes

PI:

20.16

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Abandoned Rd
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06420
Longitude: -123.54104
WA state plane south (NAD 27, feet)
East: 1,242,611
North: 645,858

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Culvert is approximately 240 meters upstream of site 127S0051, on abandoned road grade.

Site Comments:

OHW = 2.3 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: 9/22/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 5.10
OHW (m): 2.60
Max Depth (m): 1.10

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 0.38

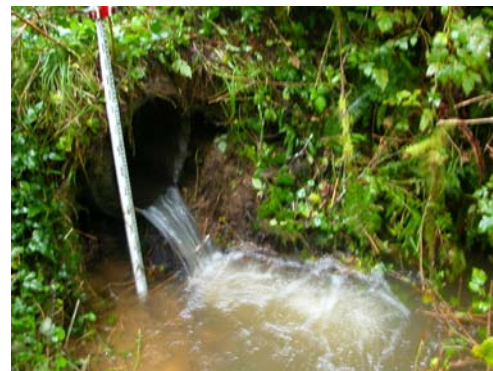
POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.61
Length (m): 6.35
Slope (%): 1.00
Bed Material: No
Outfall Drop (m): 0.43
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:

127S0264

Fish Use: Yes

PI:

13.69

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Abandoned Rd
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.06763
Longitude: -123.53777
WA state plane south (NAD 27, feet)
East: 1,243,473
North: 647,078

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: WF Satsop 22.0364
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Culvert is approximately 880 meters upstream of site 127S0051, on abandoned road grade.

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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 9/21/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.35
OHW (m): 3.70
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.06
Span/Toe Ratio: 1.39

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.76
Rise (m): 0.77
Length (m): 6.59
Slope (%): 1.87
Bed Material: No
Outfall Drop (m): 0.95
WDIC (m): 0.08
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0265

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.24196
Longitude:	-123.51874
WA state plane south (NAD 27, feet)	
East:	1,250,643
North:	710,432

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.30 miles southeast of the 7600/600 junction.

Site Comments:

Slash pile at downstream end of pipe. OHW < 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.90
OHW (m)	0.60
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	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.32
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:

127S0266

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	590
County:	Grays Harbor
1/4 Section:	NW
Section:	10
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.23518
Longitude:	-123.54444
WA state plane south (NAD 27, feet)	
East:	1,244,168
North:	708,208

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Replinger Cr
Tributary To:	Canyon R 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of the 590/560 junction.

Site Comments:

OHW = 2.15 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:	10/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.25
OHW (m)	2.05
Max Depth (m)	0.45

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)	0.93
Rise (m)	0.93
Length (m)	11.94
Slope (%)	1.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.27
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0267

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 6900
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 20N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.17510
Longitude: -123.54991
WA state plane south (NAD 27, feet)
East: 1,241,964
North: 686,363

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Singer Cr 22.0375
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 65 meters north of the 6900/Cougar Smith Rd junction.

Site Comments:

Poorly defined 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: 10/20/2004
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.40
OHW (m): 1.90
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: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.30
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0268

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 660
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30683
Longitude: -123.54922
WA state plane south (NAD 27, feet)
East: 1,243,992
North: 734,367

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Little R 22.0398
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.70 miles south of 660/600 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: 11/3/2004
Field Crew: Glore/Blatt
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): 0.90
Span/Toe Ratio: 1.22

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.47
Rise (m): 0.47
Length (m): 12.44
Slope (%): 6.73
Bed Material: No
Outfall Drop (m): 1.80
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No plunge pool as water flows out through road fill instead of culvert. Pipe 1.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0268

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)	14.84
Slope (%)	4.60
Bed Material	No
Outfall Drop (m)	2.25
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0269

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 660
County: Grays Harbor
1/4 Section: SE
Section: 15
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30645
Longitude: -123.55207
WA state plane south (NAD 27, feet)
East: 1,243,281
North: 734,257

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Little R 22.0398
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.85 miles south of 660/600 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:

Abundant LWD in and around channel. OHW = 0.95 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/3/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 0.95
OHW (m): 0.80
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 0.70
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): 0.37
Rise (m): 0.37
Length (m): 15.29
Slope (%): 8.00
Bed Material: No
Outfall Drop (m): 1.10
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:

127S0270

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	660
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.27921
Longitude:	-123.55736
WA state plane south (NAD 27, feet)	
East:	1,241,585
North:	724,378

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 3.30 miles south of the 660/600 junction.

Site Comments:

OHW = 1.65 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:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	0.75
Max Depth (m)	0.60

CHANNEL DESCRIPTION

Toe Width (m)	1.65
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)	1.23
Rise (m)	1.27
Length (m)	11.49
Slope (%)	7.50
Bed Material	No
Outfall Drop (m)	0.63
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0271

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30463
Longitude:	-123.59009
WA state plane south (NAD 27, feet)	
East:	1,233,830
North:	733,960

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devil's Club Cr 22.0400
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.70 miles southeast of the 7600/600 junction, at end of maintained road.

Site Comments:

OHW < 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.20
Span/Toe Ratio	3.00

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)	0.18
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Riffles at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0272

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30455
Longitude:	-123.59129
WA state plane south (NAD 27, feet)	
East:	1,233,531
North:	733,942

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devil's Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.65 miles southeast of the 7600/600 junction.

Site Comments:

OHW = 0.65 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:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	0.75
OHW (m)	0.95
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	11.92
Slope (%)	12.40
Bed Material	No
Outfall Drop (m)	0.19
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:

127S0273

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 17
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30523
Longitude: -123.59263
WA state plane south (NAD 27, feet)
East: 1,233,207
North: 734,204

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Devil's Club Cr 22.0400
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.55 miles southeast of the 7600/600 junction.

Site Comments:

LWD and debris pile at downstream end of culvert. 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: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 11/3/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.20
OHW (m): 1.40
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.65
Span/Toe Ratio: 1.18

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.77
Rise (m): 0.77
Length (m): 19.14
Slope (%): 6.40
Bed Material: No
Outfall Drop (m): 0.00
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:

127S0274

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7600
County: Grays Harbor
1/4 Section: SE
Section: 17
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30599
Longitude: -123.59584
WA state plane south (NAD 27, feet)
East: 1,232,424
North: 734,512

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Devil's Club Cr 22.0400
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.40 miles southeast of the 7600/600 junction.

Site Comments:

Culvert recently replaced. 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: 11/3/2004
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 1.25
OHW (m): 1.20
Max Depth (m): 0.25

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): 14.85
Slope (%): 5.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.11
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Culvert will likely accumulate streambed over time, in which case it would become passable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0275

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30663
Longitude:	-123.59652
WA state plane south (NAD 27, feet)	
East:	1,232,263
North:	734,752

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:	Devil's Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.35 miles southeast of the 7600/600 junction.

Site Comments:

Recently replaced culvert. OHW = 0.8 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:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.25
OHW (m)	3.15
Max Depth (m)	0.42

CHANNEL DESCRIPTION

Toe Width (m)	0.55
Span/Toe Ratio	2.25

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.24
Rise (m)	1.24
Length (m)	14.90
Slope (%)	5.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.34
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert will likely accumulate streambed material overtime, in which case it would become passable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0276

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98082
Longitude:	-123.61357
WA state plane south (NAD 27, feet)	
East:	1,223,349
North:	616,179

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the end of pavement on 10th Street.

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:	Schoch, Daniel W.; Willis, P.
Type:	Private

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.75
OHW (m)	5.15
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	2.38

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	SQSH
Material	CST
Span (m)	1.25
Rise (m)	0.89
Length (m)	18.20
Slope (%)	0.55
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Culvert 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0276

Fish Use:

Yes

PI:

Barrier:

No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.25
Rise (m)	0.90
Length (m)	17.99
Slope (%)	0.31
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Culvert 2.2 is on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0277

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 1.0 miles northeast of 1st St/McBride Ave junction.

SPECIES POTENTIAL

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

OWNER

Name:
Type:

Site Comments:

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:

Plastic overflow pipe on left bank. Riffle and riprap at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0278

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kamilche East
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98533
Longitude: -123.59551
WA state plane south (NAD 27, feet)
East: 1,227,917
North: 617,642

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: 22.0345
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles east of Church St/Kamilche Ave 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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
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): 2.73
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): 0.64
Rise (m): 0.64
Length (m): 23.24
Slope (%): 21.05
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 2.50
Tidegate: No

Culvert Comments:

Culvert substantially filled with rip rap at downstream end. Steel debris gate on upstream end. Additional culvert downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0279

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kamilche Ave.
County: Grays Harbor
1/4 Section: SE
Section: 6
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98541
Longitude: -123.59680
WA state plane south (NAD 27, feet)
East: 1,227,597
North: 617,686

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: 22.0345
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 100 meters east of Church St/Kamilche Ave intersection.

Site Comments:

Unable to complete Level A survey. Rip rap on banks of stream on downstream end.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Unk
Passability (%):
Method: LA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 2.73
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): 0.76
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Downstream end flows directly onto rip rap. Upstream end of culvert RND PCC. Unable to obtain accurate slope/ length of culvert due to 45 degree horizontal change within pipe. Level A not applicable..



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0280

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: E McBryde Ave
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98803
Longitude: -123.59410
WA state plane south (NAD 27, feet)
East: 1,228,307
North: 618,614

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters east of Chehalis St/McBryde Ave intersection.

Site Comments:

Stream runs through housing development.
OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.89
OHW (m): 1.61
Max Depth (m): 0.19

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.48
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.07
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0281

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: E McBryde Ave
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98807
Longitude: -123.59282
WA state plane south (NAD 27, feet)
East: 1,228,627
North: 618,615

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters east of McBryde Ave/Devara Ln junction.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 9.15
OHW (m): 1.65
Max Depth (m): 0.80

CHANNEL DESCRIPTION

Toe Width (m): 1.70
Span/Toe Ratio: 0.54

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m): 12.31
Slope (%): 1.92
Bed Material: No
Outfall Drop (m): 0.24
WDIC (m): 0.06
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Downstream end of stream channelized by concrete bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0282

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99132
Longitude: -123.59077
WA state plane south (NAD 27, feet)
East: 1,229,185
North: 619,780

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 933 Stephenson Dr

Site Comments:

OHW = 0.46 meters.

SPECIES POTENTIAL

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

OWNER

Name: Ed Zillyett
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
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: CST
Span (m): 0.82
Rise (m): 0.75
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
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:

127S0283

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 located at Stephenson Drive/McBryde Ave 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:
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:

127S0284

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Blakeley St
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98827
Longitude: -123.59013
WA state plane south (NAD 27, feet)
East: 1,229,301
North: 618,661

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of McBryde Ave/Blakeley St junction.

Site Comments:

OHW unobtainable due to backwater and excavated channel downstream.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
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: RND
Material: PCC
Span (m): 0.58
Rise (m): 0.58
Length (m):
Slope (%):
Bed Material:
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Unable to obtain upstream measurements due to private property boundary.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0285

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98946
Longitude: -123.59059
WA state plane south (NAD 27, feet)
East: 1,229,204
North: 619,101

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 819 Blakely St.

Site Comments:

OHW = 0.16 meters.

SPECIES POTENTIAL

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

OWNER

Name: Burnham, Ellis P.
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
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: CAL
Span (m): 0.49
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Additional culvert upstream and downstream of main culvert. Riffle at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0286

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98885
Longitude: -123.59015
WA state plane south (NAD 27, feet)
East: 1,229,305
North: 618,872

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 914 Caldwell Ct.

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: Woodcock, Robert R.
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
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: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

CST sleeve at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0287

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

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

WATERBODY

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

Location / Directions:

Water crossing is approximately 50 meters north of McBryde Ave/Medcalf St junction.

Site Comments:

OHW unobtainable due undefined channel.

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:

Sediment trap at upstream end of culvert.
Wetland vegetation upstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0288

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98843
Longitude: -123.58757
WA state plane south (NAD 27, feet)
East: 1,229,942
North: 618,697

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 110 E McBryde Ave.

SPECIES POTENTIAL

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

Site Comments:

OWNER

Name: Simmelink, Russel
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
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): 1.46
Rise (m):
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.50
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Unable to obtain rise due to stream material.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0289

Fish Use: Unk

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98835
Longitude: -123.58808
WA state plane south (NAD 27, feet)
East: 1,229,813
North: 618,672

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Unk
FUP Criteria: Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 1104 E McBryde Ave.

Site Comments:

Canalized stream runs through private property. Toe width and OHW affected by stream canalization.

SPECIES POTENTIAL

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

OWNER

Name: The Badgleys
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
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): 0.94
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.24
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0290

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: E Simpson
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98640
Longitude: -123.59513
WA state plane south (NAD 27, feet)
East: 1,228,028
North: 618,028

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of Church St/Simpson Ave intersection.

SPECIES POTENTIAL

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

Site Comments:

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.08
OHW (m): 3.15
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 1.40
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: PCC
Span (m): 0.60
Rise (m): 0.60
Length (m): 16.53
Slope (%): 5.73
Bed Material: No
Outfall Drop (m): 0.14
WDIC (m): 0.12
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Upstream end of culvert broken and culvert segments are separated throughout. downstream end of culvert CST sleeve.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0291

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Academy St
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98349
Longitude: -123.59368
WA state plane south (NAD 27, feet)
East: 1,228,347
North: 616,954

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 75 meters north of Spruce St/Academy St junction.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

Site Comments:

.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 11.91
OHW (m): 6.04
Max Depth (m): 1.10

CHANNEL DESCRIPTION

Toe Width (m): 1.59
Span/Toe Ratio: 0.60

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.95
Rise (m): 0.95
Length (m): 58.47
Slope (%): 1.12
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.70
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0292

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Academy St
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98355
Longitude: -123.59437
WA state plane south (NAD 27, feet)
East: 1,228,176
North: 616,982

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters northwest of Spruce St/Academy St intersection.

Site Comments:

OHW = 1.40 meters.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/19/2004
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): 0.80
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: PCC
Span (m): 0.66
Rise (m): 0.66
Length (m): 16.26
Slope (%): 4.50
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.36
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool, site is backwatered by DS culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0293

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Academy St
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98359
Longitude: -123.59421
WA state plane south (NAD 27, feet)
East: 1,228,216
North: 616,996

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 75 meters northwest of Spruce St/Academy St intersection.

Site Comments:

OHW = 1.40 meters.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/19/2004
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): 0.80
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: PCC
Span (m): 0.93
Rise (m): 0.93
Length (m): 18.88
Slope (%): 3.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.34
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool, riffle at downstream end.
Upstream end of culvert has concrete wall reinforcing bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0294

Fish Use:

Yes

PI:

Barrier:

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Academy Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98357
Longitude:	-123.59436
WA state plane south (NAD 27, feet)	
East:	1,228,178
North:	616,992

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.00345
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters northwest of Spruce St/Academy St intersection.

Site Comments:

OHW = 1.40 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:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.80
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	PCC
Span (m)	0.66
Rise (m)	0.66
Length (m)	
Slope (%)	
Bed Material	Unk
Outfall Drop (m)	0.00
WDIC (m)	0.54
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Unable to located US end of culvert, can not completed level A survey.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0295

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	E Elma Ave
County:	Grays Harbor
1/4 Section:	SW
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98085
Longitude:	-123.59183
WA state plane south (NAD 27, feet)	
East:	1,228,770
North:	615,974

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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:	22.0345
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 50 meters east of E Elma Ave/Satsop St intersection..

Site Comments:

Wetland habitat. Stream flows through housing area..

SPECIES POTENTIAL

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

OWNER

Name:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/18/2004
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)	1.25
Span/Toe Ratio	1.08

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PCC
Span (m)	0.75
Rise (m)	0.75
Length (m)	11.93
Slope (%)	0.36
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.71
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Storm drainage entering at right bank on downstream end of road. Culvert 1.2 is on right bank.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0295

Fish Use:

Yes

PI:

Barrier:

No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	12.10
Slope (%)	0.41
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.61
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert is completely submerged. Culvert 2.2 is on left bank.

WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0296

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: E Pioneer Ave
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97938
Longitude: -123.59230
WA state plane south (NAD 27, feet)
East: 1,228,632
North: 615,445

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: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles east of Satsop St/Pioneer Ave intersection.

Site Comments:

OHW = 5.10 meters.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/20/2004
Field Crew: Haque/Lutz/Schuetzler
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: PCC
Span (m): 1.51
Rise (m): 1.51
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 1.17
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Unable to determine slope and length due to underground horizontal bends in culvert. Level A not applicable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0297

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad track
County: Grays Harbor
1/4 Section: NW
Section: 8
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97900
Longitude: -123.59344
WA state plane south (NAD 27, feet)
East: 1,228,344
North: 615,317

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: Mapped

Location / Directions:

Water crossing is located on railroad grade approximately 75 meters SW of Academy St/Pioneer Ave intersection.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Puget Sound and Pacific RR
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/20/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m): 1.84
Span/Toe Ratio: 0.97

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: ARCH
Material: MSY
Span (m): 1.79
Rise (m): 1.50
Length (m): 9.89
Slope (%): -3.40
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.58
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

No plunge pool due to wetland habitat downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0298

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	W McBryde
County:	Grays Harbor
1/4 Section:	NW
Section:	6
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98782
Longitude:	-123.60651
WA state plane south (NAD 27, feet)	
East:	1,225,209
North:	618,659

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of N 6th St/McBryde Ave 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:	4/20/2004
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)	0.90
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	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	20.17
Slope (%)	4.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

No plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0299

Fish Use: Yes

PI:

Barrier: No

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 located at north 6th St/W Simpson junction.

Site Comments:

Downstream banks armored with log controls.

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:

Grate at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0300

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: N 6th St
County: Grays Harbor
1/4 Section: SW
Section: 6
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98661
Longitude: -123.60815
WA state plane south (NAD 27, feet)
East: 1,224,783
North: 618,235

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 40 meters north of N 6th St/Simpson Ave junction.

Site Comments:

Stream flows under residence at 612 N 6th St.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/20/2004
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): 0.52
Span/Toe Ratio: 1.17

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.61
Rise (m): 0.60
Length (m): 25.00
Slope (%): 3.70
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Downstream end of culvert heavily rusted.
Upstream end of culvert is precast concrete,
possible grade break within culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0301

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 located at the west Harriet Ave/N 7th St. 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:
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:

127S0302

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: W Harriet Ave
County: Grays Harbor
1/4 Section: NW
Section: 6
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98867
Longitude: -123.60682
WA state plane south (NAD 27, feet)
East: 1,225,145
North: 618,971

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 10 meters east of W Harriet Ave/N 5th St junction.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/20/2004
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): 0.62
Span/Toe Ratio: 0.73

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.45
Rise (m): 0.45
Length (m): 39.20
Slope (%): 8.00
Bed Material: No
Outfall Drop (m): 0.12
WDIC (m): 0.03
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Culvert spills onto concrete slabs. No plunge pool, riffles directly downstream of outfall drop. The culvert bend horizontally underground. Culvert is round precast cement at the upstream end, possible grade break.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0303

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 100 meters west of the W Simpson Ave/N 10th St junction.

Site Comments:

Beaver activity 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:
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:

Metal debris guard at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0304

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	N Lake Sylvia Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	6
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98840
Longitude:	-123.60410
WA state plane south (NAD 27, feet)	
East:	1,225,819
North:	618,847

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0345
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 50 meters north of the N Lake Sylvia Rd/W McBryde Ave intersection.

Site Comments:

Stream bed vegetated throughout with perennial plants. OHW = 0.2 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:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
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	PCC
Span (m)	0.31
Rise (m)	0.31
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0305

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: N Lake Sylvia Rd
County: Grays Harbor
1/4 Section: NE
Section: 6
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99174
Longitude: -123.60101
WA state plane south (NAD 27, feet)
East: 1,226,637
North: 620,032

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0345
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is located at the entrance to Lake Sylvia State Park.

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: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/20/2004
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: 1.2
Shape: RND
Material: PCC
Span (m): 0.49
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 15.00
Tidegate: No

Culvert Comments:

Large slab of bank clay is covering part of upstream end of culvert on right bank side. Culvert 1.2 is on left bank. Photo taken at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0305

Fish Use: No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.20
Rise (m)	0.20
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.07
Apron	No
Fill Depth (m)	15.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0306

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	N Lake Sylvia Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	6
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99477
Longitude:	-123.59684
WA state plane south (NAD 27, feet)	
East:	1,227,720
North:	621,098

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.20 miles southwest of Lake Sylvia bridge.

Site Comments:

Natural point barrier for anadromous species downstream, at outlet of Lake Sylvia.

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:	Washington State Parks
Type:	State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LA
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)	0.30
Rise (m)	0.30
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

High gradient, drains directly into Lake Sylvia.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0307

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	N Lake Sylvia Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99505
Longitude:	-123.59565
WA state plane south (NAD 27, feet)	
East:	1,228,020
North:	621,186

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles southwest of Lake Sylvia bridge.

Site Comments:

Natural point barrier for anadromous species downstream, at outlet of Lake Sylvia. 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:	Washington State Parks
Type:	State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/20/2004
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	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Root wad at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0308

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Lake Sylvia State Park Rd
County: Grays Harbor
1/4 Section: SW
Section: 32
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99597
Longitude: -123.59330
WA state plane south (NAD 27, feet)
East: 1,228,621
North: 621,499

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters southeast of Lake Sylvia bridge.

SPECIES POTENTIAL

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

OWNER

Name: Washington State Parks
Type: State

Site Comments:

Natural point barrier for anadromous species downstream, at outlet of Lake Sylvia. OHW = 0.27 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/20/2004
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: PCC
Span (m): 0.31
Rise (m): 0.31
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:

127S0309

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	8
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97799
Longitude:	-123.58026
WA state plane south (NAD 27, feet)	
East:	1,231,616
North:	614,821

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0346
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of residence @ 63 Monte-Elma Rd on private drive.

Site Comments:

Upstream of culvert stream flows adjacent to road for approximately 20 meters, then enters ditch.

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:	John Vetter
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.86

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.60
Length (m)	6.29
Slope (%)	0.48
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0310

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	8
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97775
Longitude:	-123.58005
WA state plane south (NAD 27, feet)	
East:	1,231,666
North:	614,729

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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:	22.0346
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.30 miles south of residence @ 63 Monte-Elma Rd on private drive.

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:	John Vetter
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	10/4/2005
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.70
OHW (m)	2.60
Max Depth (m)	0.50

CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	1.86

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PCC
Span (m)	0.93
Rise (m)	0.93
Length (m)	5.56
Slope (%)	0.54
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.25
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Road fill eroding at both ends. Culvert 1.2 is located on LB.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0310

Fish Use:

Yes

PI:

Barrier:

No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.93
Rise (m)	0.93
Length (m)	5.53
Slope (%)	2.11
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.25
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:

127S0311

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: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97357
Longitude: -123.57872
WA state plane south (NAD 27, feet)
East: 1,231,938
North: 613,195

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 0.65 miles southeast on private road for residence @ 63 Monte-Elma Rd.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: John Vetter
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/21/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 9.90
OHW (m): 5.47
Max Depth (m): 1.20

CHANNEL DESCRIPTION

Toe Width (m): 2.40
Span/Toe Ratio: 0.26

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.62
Rise (m): 0.62
Length (m): 6.43
Slope (%): -0.21
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.63
Apron: BE
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Bank stabilization at both ends. Culvert is recessed 0.4 meters from edge of concrete fill. Level B not applicable due to tidal influence and backwatered slough.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0312

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Elma Rd
County: Grays Harbor
1/4 Section: SE
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98184
Longitude: -123.57570
WA state plane south (NAD 27, feet)
East: 1,232,809
North: 616,178

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: 22.0346
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.20 miles west of Monte-Elma Rd/Poplar Rd junction.

Site Comments:

Road failing upstream and downstream.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/21/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.00
OHW (m): 2.10
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.50
Span/Toe Ratio: 0.66

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: BOX
Material: CPC
Span (m): 0.99
Rise (m): 0.93
Length (m): 15.94
Slope (%): 0.36
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.26
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Cement bank stabilization at downstream end of culvert on both banks. Wooden post across upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0313

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	SE
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98164
Longitude:	-123.57577
WA state plane south (NAD 27, feet)	
East:	1,232,787
North:	616,105

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:	22.0346
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.80 miles east of Glen St/Monte-Elma Rd. Culvert is 50 meters south beneath railroad grade.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Puget Sound and Pacific RR
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	12.10
OHW (m)	5.60
Max Depth (m)	0.80

CHANNEL DESCRIPTION

Toe Width (m)	1.50
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	PCC
Span (m)	1.05
Rise (m)	1.10
Length (m)	14.97
Slope (%)	-1.60
Bed Material	No
Outfall Drop (m)	0.14
WDIC (m)	0.06
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Culvert is sloped inversely.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0314

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Elma Rd
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98346
Longitude: -123.56808
WA state plane south (NAD 27, feet)
East: 1,234,732
North: 616,696

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 0.10 miles west of Beacon Ave/Monte-Elma Rd junction.

Site Comments:

Stream flows under rail road tracks approximately 10 meters downstream of culvert.

SPECIES POTENTIAL

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

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/21/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 3.38
OHW (m): 1.50
Max Depth (m): 0.38

CHANNEL DESCRIPTION

Toe 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): 0.84
Rise (m): 0.84
Length (m): 12.45
Slope (%): 1.10
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Concrete beams create the sides and top of the culvert at downstream end where culvert is collapsing. Toe width unavailable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0315

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	SW
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98331
Longitude:	-123.56809
WA state plane south (NAD 27, feet)	
East:	1,234,726
North:	616,640

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 0.10 miles west of Beacon Ave/Monte-Elma Rd junction, beneath railroad grade.

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:	Puget Sound and Pacific RR
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.52
OHW (m)	3.20
Max Depth (m)	0.26

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.92
Rise (m)	0.92
Length (m)	9.40
Slope (%)	1.24
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Wooden planks at downstream end of culvert providing bank stabilization.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0316

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Elma Rd
County: Grays Harbor
1/4 Section: SE
Section: 4
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98513
Longitude: -123.56094
WA state plane south (NAD 27, feet)
East: 1,236,535
North: 617,233

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0349
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located immediately west of the Monte-Brady Rd/Monte-Elma Rd junction.

Site Comments:

Stream flows 10 meters to additional culvert under railroad grade. 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/21/2004
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): 2.80
Span/Toe Ratio: 0.64

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: BOX
Material: CPC
Span (m): 1.80
Rise (m): 1.86
Length (m): 14.69
Slope (%): 0.82
Bed Material: No
Outfall Drop (m): 0.06
WDIC (m): 0.13
Apron: DS
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Level B not obtainable due to second culvert immediately (10 meters) DS of site. Culvert ends are beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0317

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98491
Longitude:	-123.56079
WA state plane south (NAD 27, feet)	
East:	1,236,569
North:	617,154

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0349
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 30 meters southwest of Monte-Elma Rd/Monte-Brady Rd junction.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Puget Sound and Pacific RR
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	11.35
OHW (m)	5.94
Max Depth (m)	0.92

CHANNEL DESCRIPTION

Toe Width (m)	2.80
Span/Toe Ratio	0.74

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	ARCH
Material	PCC
Span (m)	2.08
Rise (m)	2.01
Length (m)	7.76
Slope (%)	2.57
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Plunge pool influenced by concrete slabs used for bank stabilization.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0318

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Elma Monte Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98570
Longitude:	-123.55724
WA state plane south (NAD 27, feet)	
East:	1,237,466
North:	617,405

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Camp Cr
Tributary To:	unnamed 22.0349
WRIA:	22.0351
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.20 miles east of the Monte Elma Rd/Monte Brady Rd junction.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity

PLUNGE POOL DESCRIPTION

Length (m)	12.10
OHW (m)	6.15
Max Depth (m)	1.05

CHANNEL DESCRIPTION

Toe Width (m)	2.45
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	CPC
Span (m)	1.22
Rise (m)	0.93
Length (m)	12.71
Slope (%)	0.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Beveled culvert. Stream eroding under downstream end of culvert. Road beginning to fail at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0319

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Rd
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98818
Longitude: -123.54477
WA state plane south (NAD 27, feet)
East: 1,240,611
North: 618,188

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0349
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Enter Vaughn Co Inc parking lot at 364 Monte Elma Rd. Water crossing is approximately 0.1 miles west on paved single lane frontage road.

Site Comments:

Ecology blocks place at site above culvert ends.

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: 4/21/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Yes
Passability (%): 67
Method: LB
Repair Status: UD
Problem: depth

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.93
Rise (m): 0.93
Length (m): 6.48
Slope (%): 0.62
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert, no outfall drop or plunge pool measurements. Excavated channel downstream obscures toe measurement, but OHW < 0.6 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0320

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad track
County: Grays Harbor
1/4 Section: SW
Section: 3
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98833
Longitude: -123.54454
WA state plane south (NAD 27, feet)
East: 1,240,670
North: 618,242

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters southwest of Camp Creek Rd/Monte-Elma Rd junction, beneath railroad grade.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Puget Sound and Pacific RR
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/21/2004
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):
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): 0.88
Rise (m): 0.88
Length (m): 9.94
Slope (%): 2.80
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.28
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Channel highly modified, no toe measurement available.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0321

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Elma Rd
County: Grays Harbor
1/4 Section: NW
Section: 3
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98868
Longitude: -123.54389
WA state plane south (NAD 27, feet)
East: 1,240,837
North: 618,365

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 40 meters west of Monte Elma Rd/Camp Cr Rd junction.

Site Comments:

Outflow of culvert is into excavated plunge pool then into ditch running both east and west of pipe.

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: 4/22/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 5.58
OHW (m): 3.93
Max Depth (m): 0.58

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.46
Rise (m): 0.46
Length (m): 12.63
Slope (%): 0.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.35
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is broken and plunge pool is excavated. Level B not applicable due to excavated plunge pool which then flows both E and W in ditch along Monte Elma Rd.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0322

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 located at the Camp Creek Rd/Monte-Elma Rd junction.

Site Comments:

Stream runs along side of road in excavated ditch.

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:

US end of culvert is broken off. Level B not applicable due to lack of downstream control point.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0323

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Monte-Elma Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98906
Longitude:	-123.54260
WA state plane south (NAD 27, feet)	
East:	1,241,166
North:	618,491

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 50 meters east of Monte-Elma Rd/Camp Creek Rd junction.

Site Comments:

Stream channel highly modified.

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:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	3.38
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
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)	13.25
Slope (%)	1.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Plunge pool has been excavated. Highly modified channel obscures toe measurement.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0324

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad track
County: Grays Harbor
1/4 Section: NE
Section: 3
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98878
Longitude: -123.54262
WA state plane south (NAD 27, feet)
East: 1,241,155
North: 618,386

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 75 meters east of Monte Elma RD/Camp Cr Rd junction, beneath railroad grade.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Puget Sound And Pacific RR
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/22/2004
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): 1.89
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: PCC
Span (m): 0.88
Rise (m): 0.88
Length (m): 9.70
Slope (%): 0.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.26
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Plunge pool is influenced by additional culvert approximately 4 meters downstream of site. Level B not applicable due to lack of downstream control point.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0325

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98859
Longitude:	-123.54261
WA state plane south (NAD 27, feet)	
East:	1,241,156
North:	618,319

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.10 miles southeast of Camp Cr Rd/Monte Elma Rd junction, south of the railroad grade.

Site Comments:

Wetland influence downstream.

SPECIES POTENTIAL

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

OWNER

Name:	Vaughan Co Inc
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
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)	1.89
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	PVC
Span (m)	0.89
Rise (m)	0.93
Length (m)	9.50
Slope (%)	0.60
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.28
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No measurable plunge pool due to wetland influence. Level B not applicable due to lack of downstream control point.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0326

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Winkleman Rd
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99166
Longitude: -123.52775
WA state plane south (NAD 27, feet)
East: 1,244,905
North: 619,293

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters south of Winkleman Rd/Monte-Elma Rd junction.

Site Comments:

Culvert passes under private drive and flows adjacent to Winkleman Rd.

SPECIES POTENTIAL

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

OWNER

Name: Skye, Judith K
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/22/2004
Field Crew: Haque/Lutz/Schuetzler
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.24
OHW (m): 1.55
Max Depth (m): 0.34

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.60
Rise (m): 0.60
Length (m): 8.71
Slope (%): 1.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Plunge pool has been excavated and stream runs along ditch drainage. No toe width obtainable.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0327

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99054
Longitude:	-123.52777
WA state plane south (NAD 27, feet)	
East:	1,244,883
North:	618,888

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is located at the end of Winkleman Rd S.

Site Comments:

Stream flows adjacent to Winkleman Rd in excavated ditch with an OHW > 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Nelson, Kenneth W
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
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)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.74
Length (m)	9.46
Slope (%)	1.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Toe measurement unavailable due to excavated ditch delivery upstream and downstream of site. OHW > 0.6 meters with no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0328

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99197
Longitude:	-123.52787
WA state plane south (NAD 27, feet)	
East:	1,244,878
North:	619,407

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 20 meters southwest of Monte-Elma Rd/Winkleman Rd junction, beneath railroad grade.

Site Comments:

Additional culvert 15 meters downstream.

SPECIES POTENTIAL

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

OWNER

Name:	Puget Sound and Pacific RR
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
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)	1.50
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	PCC
Span (m)	0.89
Rise (m)	0.89
Length (m)	9.68
Slope (%)	1.30
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Level B not applicable due to second culvert immediately downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0329

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Elma Rd
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99215
Longitude: -123.52790
WA state plane south (NAD 27, feet)
East: 1,244,873
North: 619,474

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is located immediately west of Monte-Elma Rd/Winkleman Rd junction.

Site Comments:

OHW > 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/22/2004
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: RND
Material: PCC
Span (m): 0.46
Rise (m): 0.46
Length (m): 13.76
Slope (%): -0.10
Bed Material: No
Outfall Drop (m): 0.04
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Stream flows in excavated ditch, unable to measure toe width. Level B not applicable due to lack of downstream control point.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0330

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Barrett Rd W
County: Grays Harbor
1/4 Section: SE
Section: 35
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99529
Longitude: -123.51921
WA state plane south (NAD 27, feet)
East: 1,247,085
North: 620,535

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles west of the Barrett Rd/W Barrett Rd junction.

Site Comments:

Bank stabilization downstream of site.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/22/2004
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): 3.11
Span/Toe Ratio: 0.29

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.94
Length (m): 6.37
Slope (%): 0.70
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.16
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:

Level B not applicable due to lack of downstream control point. Stream flows directly into riffle downstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0331

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Barrett Rd W
County:	Grays Harbor
1/4 Section:	SE
Section:	35
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99730
Longitude:	-123.52242
WA state plane south (NAD 27, feet)	
East:	1,246,312
North:	621,299

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

From the Barrett RD/Barrett Rd W junction travel west to the end of Barrett Rd W. Site is located north on private drive @ 42 Barrett Rd W.

Site Comments:

Concrete bank stabilization downstream.

SPECIES POTENTIAL

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

OWNER

Name:	Larson, Russel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity; depth

PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	4.31
Max Depth (m)	0.61

CHANNEL DESCRIPTION

Toe Width (m)	1.80
Span/Toe Ratio	0.51

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.92
Rise (m)	0.92
Length (m)	4.34
Slope (%)	0.20
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.52
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Level B analysis completed 1/25/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0332

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Elma Rd
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99412
Longitude: -123.51910
WA state plane south (NAD 27, feet)
East: 1,247,097
North: 620,109

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles west of Barrett Rd/Monte Elma Rd junction.

Site Comments:

Additional culvert 15 meters 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: 4/22/2004
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): 2.64
Span/Toe Ratio: 0.48

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: BOX
Material: CPC
Span (m): 1.26
Rise (m): 0.98
Length (m): 11.96
Slope (%): -2.10
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.22
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Riffle at downstream end of culvert. Culvert is sloped inversely. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0333

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad track
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99387
Longitude: -123.51893
WA state plane south (NAD 27, feet)
East: 1,247,135
North: 620,014

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.20 miles west of Barrett Rd N/Monte Elma Rd junction, beneath railroad grade.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Puget Sound and Pacific RR
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/22/2004
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): 3.24
Span/Toe Ratio: 0.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PCC
Span (m): 0.89
Rise (m): 0.89
Length (m): 8.98
Slope (%): 0.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.13
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Culvert 1.2 on right bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0333

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.84
Rise (m)	0.84
Length (m)	8.82
Slope (%)	0.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert 2.2 on left bank. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0334

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad track
County: Grays Harbor
1/4 Section: NE
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99361
Longitude: -123.51859
WA state plane south (NAD 27, feet)
East: 1,247,216
North: 619,919

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.20 miles west of Barrett Rd/Monte-Elma Rd junction, in wooded area south of railroad grade.

Site Comments:

Barbed wire fence dividing upstream and downstream end of culvert.

SPECIES POTENTIAL

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

OWNER

Name: Harold Lemay Investment Co
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/22/2004
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): 1.63
Span/Toe Ratio: 1.45

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): 1.23
Length (m): 13.11
Slope (%): 34.60
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Stream diverted at a 90 degree angle by concrete wall downstream of culvert. No plunge pool due to concrete wall diversion. Culvert 1.2 on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0334

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.17
Rise (m)	1.23
Length (m)	12.34
Slope (%)	37.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Culvert 2.2 on left bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0335

Fish Use: Yes

PI:

Barrier: No

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 0.20 miles west of the Winkleman Rd/Evergreen Ln 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:
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, riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0336

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 0.35 miles west of Winkleman Rd/Evergreen Ln junction.

SPECIES POTENTIAL

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

OWNER

Name:
Type:

Site Comments:

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:

Riffle at downstream end of culvert, no outfall or plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0337

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 southwest of Poplar Rd/Beacon Ave junction.

Site Comments:

Downstream of culvert, stream flows through ditch drainage. .

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:

127S0338

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 0.10 miles east of Beacon Ave/Cherry St junction.

Site Comments:

Wetlands 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:
Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)
Span/Toe Ratio

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Culvert is partially submerged. Unable to measure toe width or plunge pool due to wetland habitat. RND CST at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0339

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Lake Dr
County: Grays Harbor
1/4 Section: NW
Section: 4
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99004
Longitude: -123.57305
WA state plane south (NAD 27, feet)
East: 1,233,585
North: 619,142

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: 22.0346
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles south of Lake Dr/Camp Creek Rd junction.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/25/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.81
OHW (m): 2.34
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 0.88
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): 0.65
Rise (m): 0.65
Length (m): 19.16
Slope (%): 2.20
Bed Material: No
Outfall Drop (m): 0.92
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Downstream end of culvert heavily rusted.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0340

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 0.25 miles west of Wildwood Ln/Camp Creek 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:
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:

127S0341

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 0.20 miles west of Wildwood Ln/Camp Creek 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:
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:

Photo at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0342

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 0.10 miles south of Camp Creek Rd/Brook Rd junction.

SPECIES POTENTIAL

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

OWNER

Name:
Type:

Site Comments:

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:

127S0343

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 Roupe Rd/Camp Creek Rd junction.

Site Comments:

Beaver dam 3 meters downstream.

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:

127S0344

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 0.35 miles east of the Glen Rd/Camp Creek Rd 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:
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 measurements due to additional culvert 2 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0345

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 east of Roupe Rd/Camp Creek Rd junction.

SPECIES POTENTIAL

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

OWNER

Name:
Type:

Site Comments:

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:

Riffle at downstream end. Additional culvert 50 meters downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0346

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99364
Longitude:	-123.54638
WA state plane south (NAD 27, feet)	
East:	1,240,286
North:	620,195

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.35 of a mile east of the Glen Rd/Camp Cr Rd junction. Culvert is on a private drive @ 354 Camp Cr 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:	Chase Manhattan Bank
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
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	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	8.26
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

No toe width or plunge pool available due to excavation of channel. Level B not applicable due lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0347

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99084
Longitude:	-123.53219
WA state plane south (NAD 27, feet)	
East:	1,243,787
North:	619,038

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0353
WRIA:	22.0353
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is located on private eastbound road from Fairbairn Rd S. Private drive is immediately south of railroad grade, entrance marked with green gate.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Sky, Judyth K.
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.52
OHW (m)	2.52
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	0.61

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.93
Length (m)	6.54
Slope (%)	0.25
Bed Material	No
Outfall Drop (m)	0.13
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Level B completed on 1/24/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0348

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad grade
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99095
Longitude:	-123.53229
WA state plane south (NAD 27, feet)	
East:	1,243,762
North:	619,078

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0353
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 50 meters southeast of Monte-Elma Rd/Fairbairn Rd junction, beneath railroad grade.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Puget Sound and Pacific RR
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
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)	1.50
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	PCC
Span (m)	0.88
Rise (m)	0.88
Length (m)	9.43
Slope (%)	3.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Plunge pool obscured by additional downstream culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0349

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Elma Rd
County: Grays Harbor
1/4 Section: NW
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99122
Longitude: -123.53275
WA state plane south (NAD 27, feet)
East: 1,243,652
North: 619,181

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0353
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 30 meters east of the Monte-Elma Rd/Fairbairn 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: 4/26/2004
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): 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: BOX
Material: CPC
Span (m): 0.94
Rise (m): 0.87
Length (m): 12.85
Slope (%): 0.65
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.25
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Level B not applicable due to additional culvert immediately downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0350

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Fairbairn Rd
County: Grays Harbor
1/4 Section: NE
Section: 3
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99126
Longitude: -123.53300
WA state plane south (NAD 27, feet)
East: 1,243,591
North: 619,199

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0353
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is located immediately north of the Monte-Elma Rd/Fairbairn Rd intersection.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
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): 1.50
Span/Toe Ratio: 1.00

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: CST
Span (m): 0.75
Rise (m): 0.64
Length (m): 9.51
Slope (%): -0.10
Bed Material: No
Outfall Drop (m): 0.05
WDIC (m): 0.10
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Pipe 1.2 is on right bank. Level B not applicable due to additional culvert immediately downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0350

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.74
Length (m)	9.52
Slope (%)	-0.80
Bed Material	No
Outfall Drop (m)	0.13
WDIC (m)	0.10
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:

127S0351

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Fairbairn Rd
County: Grays Harbor
1/4 Section: SE
Section: 34
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99536
Longitude: -123.53297
WA state plane south (NAD 27, feet)
East: 1,243,655
North: 620,694

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0353
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.30 miles north of the Fairbairn Rd/Monte-Elma Rd intersection.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/26/2004
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): 0.89
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): 0.92
Rise (m): 0.92
Length (m): 9.98
Slope (%): 1.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.18
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0352

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99591
Longitude:	-123.53271
WA state plane south (NAD 27, feet)	
East:	1,243,728
North:	620,889

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 30 meters east of Fairbairn Rd on private drive for residence at 54 Fairbairn 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:	R Broten
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.98
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)	0.91
Rise (m)	0.91
Length (m)	6.91
Slope (%)	0.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.40
Apron	DS
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Level B completed on 1/25/05.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0353

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99271
Longitude:	-123.53307
WA state plane south (NAD 27, feet)	
East:	1,243,593
North:	619,729

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0353
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 200 meters north of Monte-Elma Rd/Fairbairn Rd junction, beneath private drive for residence at 25 Fairbairn 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:	Rivera and Espinoza Pacheco
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
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)	1.35
Span/Toe Ratio	1.13

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.53
Rise (m)	0.94
Length (m)	9.38
Slope (%)	0.50
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.16
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Riffle at downstream end of culvert, no plunge pool or outfall drop.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0354

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Brady Loop Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99256
Longitude:	-123.51570
WA state plane south (NAD 27, feet)	
East:	1,247,923
North:	619,508

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.15 miles southwest of Highway 12/Brady Loop Rd junction.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/27/2004
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)	1.71
Span/Toe Ratio	1.07

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	BOX
Material	CPC
Span (m)	1.83
Rise (m)	1.22
Length (m)	14.05
Slope (%)	-0.10
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No plunge pool or outfall drop, riffle at downstream end of culvert. Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0354

Fish Use:

Yes

PI:

Barrier:

No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	BOX
Material	CPC
Span (m)	1.81
Rise (m)	1.12
Length (m)	13.99
Slope (%)	0.05
Bed Material	Yes
Outfall Drop (m)	0.00
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:

127S0355

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Foster Rd
County: Grays Harbor
1/4 Section: SE
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98453
Longitude: -123.52235
WA state plane south (NAD 27, feet)
East: 1,246,152
North: 616,645

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.35 miles south of the Foster Rd/Brady Loop Rd 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/27/2004
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): 2.70
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: PCC
Span (m): 1.24
Rise (m): 1.24
Length (m): 10.89
Slope (%): -0.40
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.59
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Level B not applicable due to backwater slough and lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0356

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Brady Rd
County: Grays Harbor
1/4 Section: SW
Section: 2
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98715
Longitude: -123.53148
WA state plane south (NAD 27, feet)
East: 1,243,911
North: 617,685

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0353
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.45 miles southwest of Foster Rd/Monte-Brady Rd junction.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/27/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 5.24
OHW (m): 4.08
Max Depth (m): 0.48

CHANNEL DESCRIPTION

Toe Width (m): 1.45
Span/Toe Ratio: 0.52

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.76
Rise (m): 0.76
Length (m): 13.32
Slope (%): 1.90
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No outfall drop, riffle at downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0357

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Monte-Brady Rd
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98460
Longitude: -123.54161
WA state plane south (NAD 27, feet)
East: 1,241,349
North: 616,855

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0349
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles east of the Monte-Brady Rd/W Brady Loop Rd.

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

Site Comments:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/27/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 6.10
OHW (m): 7.05
Max Depth (m): 1.13

CHANNEL DESCRIPTION

Toe Width (m): 2.15
Span/Toe Ratio: 0.62

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.2
Shape: RND
Material: PCC
Span (m): 0.77
Rise (m): 0.77
Length (m): 15.41
Slope (%): 4.60
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.63
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Upstream end of culvert has round corrugated steel sleeve attached. Pipe 1.2 is on right bank.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0357

Fish Use:

Yes

PI:

Barrier:

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.56
Rise (m)	0.75
Length (m)	15.32
Slope (%)	0.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.54
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:

127S0358

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: W Brady Loop Rd
County: Grays Harbor
1/4 Section: SE
Section: 3
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98317
Longitude: -123.54348
WA state plane south (NAD 27, feet)
East: 1,240,863
North: 616,351

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0349
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles south of the W Brady Loop Rd/Monte-Brady Rd 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/27/2004
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): 1.54
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): 0.92
Rise (m): 0.92
Length (m): 12.18
Slope (%): -0.70
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.30
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No outfall or plunge pool taken due to backwatering. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0359

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: W Brady Loop Rd
County: Grays Harbor
1/4 Section: NE
Section: 10
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98065
Longitude: -123.54333
WA state plane south (NAD 27, feet)
East: 1,240,864
North: 615,433

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0353
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.30 miles south of the W Brady Loop Rd/Monte-Brady Rd intersection.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/27/2004
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): 2.26
Rise (m): 2.53
Length (m): 8.29
Slope (%): 1.50
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.48
Apron: No
Fill Depth (m): 0.00
Tidegate: No

Culvert Comments:

No toe or plunge pool measurements due to backwatered slough. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0360

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Simmons Rd
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98219
Longitude: -123.56755
WA state plane south (NAD 27, feet)
East: 1,234,846
North: 616,228

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0349
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles west of Simmons Rd/Schafer Boom Rd 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/27/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 4.46
OHW (m): 2.55
Max Depth (m): 0.46

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.97
Rise (m): 0.85
Length (m): 21.12
Slope (%): -1.30
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.56
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert is beveled. Unable to obtain toe width due to wetland influence. Concrete fish weir upstream of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0361

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Schafer Boom Rd
County: Grays Harbor
1/4 Section: SW
Section: 4
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98121
Longitude: -123.56489
WA state plane south (NAD 27, feet)
East: 1,235,496
North: 615,844

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0349
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.10 miles south of Schafer Boom Rd/Simmons Rd junction.

Site Comments:

Poorly defined channel 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: Sally Thiessen
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/27/2004
Field Crew: Haque/Lutz
Barrier: No
Passability (%): 100
Method: LB
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 17.50
OHW (m): 11.15
Max Depth (m): 1.20

CHANNEL DESCRIPTION

Toe Width (m): 2.63
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): 2.03
Rise (m): 1.87
Length (m): 11.01
Slope (%): 0.00
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.26
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No outfall drop due to riffle at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0362

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Schafer Boom Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98010
Longitude:	-123.56473
WA state plane south (NAD 27, feet)	
East:	1,235,520
North:	615,436

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.15 miles south of Schafer Boom Rd/Simmons Rd 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:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	19.71
OHW (m)	6.95
Max Depth (m)	1.15

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.00
Rise (m)	1.98
Length (m)	9.69
Slope (%)	1.90
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.36
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Beaver activity in stream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0363

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NE
Section: 9
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97635
Longitude: -123.56130
WA state plane south (NAD 27, feet)
East: 1,236,321
North: 614,037

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0349
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles south of the Schafer Boom Rd/Simmons Rd intersection, travel east on private road for approximately 0.2 miles to culvert.

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name: Greenhead Farms LLC
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/28/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 67
Method: LA
Repair Status: UD
Problem: slope

PLUNGE POOL DESCRIPTION

Length (m): 13.40
OHW (m): 7.10
Max Depth (m): 0.86

CHANNEL DESCRIPTION

Toe Width (m): 2.52
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: SST
Span (m): 2.45
Rise (m): 2.62
Length (m): 10.69
Slope (%): 1.25
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.36
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Plunge pool influenced by woody debris.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0364

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Wynoochee Ave W
County:	Grays Harbor
1/4 Section:	NW
Section:	7
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97692
Longitude:	-123.61268
WA state plane south (NAD 27, feet)	
East:	1,223,515
North:	614,746

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 25 meters east of the Wynoochee Ave W/South 10th St intersection.

Site Comments:

OHW = 0.90 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:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.90
OHW (m)	1.70
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	0.95

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.62
Rise (m)	0.62
Length (m)	15.88
Slope (%)	2.02
Bed Material	No
Outfall Drop (m)	0.00
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:

127S0365

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97745
Longitude: -123.61225
WA state plane south (NAD 27, feet)
East: 1,223,628
North: 614,935

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 50 meters southeast of 10th St/Pioneer Ave intersection.

SPECIES POTENTIAL

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

Site Comments:

OWNER

Name: Richard L Embry
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): 0.50
Span/Toe Ratio: 1.26

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.63
Rise (m): 0.49
Length (m): 24.55
Slope (%): 0.40
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.28
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No outfall drop or plunge pool due to backwatered stream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0366

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	CC-line
County:	Grays Harbor
1/4 Section:	SW
Section:	34
Township:	18N
Range:	07W

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99650
Longitude:	-123.54494
WA state plane south (NAD 27, feet)	
East:	1,240,687
North:	621,225

Location / Directions:

Water crossing is approximately 0.25 miles north of the CC-Line/Camp Creek Rd junction.

Site Comments:

Tributary goes in and out of subsurface flow 15 meters downstream of site. Survey stake at site (4205, #3792, 0.284).

EVALUATION LEVEL COMPLETED

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

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.71
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)	0.74
Rise (m)	0.74
Length (m)	18.82
Slope (%)	0.73
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

No plunge pool, riffles at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0367

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: CC-line
County: Grays Harbor
1/4 Section: SW
Section: 34
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99716
Longitude: -123.54633
WA state plane south (NAD 27, feet)
East: 1,240,349
North: 621,477

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream: unnamed
Tributary To: Metcalf SI 22.0348
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles north of the CC-Line/Camp Creek Rd junction.

SPECIES POTENTIAL

- ☐ Sockeye ☒ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☒ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

Site Comments:

Survey stake at site (4025, #3793, 0.372)

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 0.70
Span/Toe Ratio: 0.86

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m): 13.33
Slope (%): 0.95
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

No plunge pool as stream riffles at downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0368

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: CC-1000
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01499
Longitude: -123.55046
WA state plane south (NAD 27, feet)
East: 1,239,570
North: 628,015

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Camp Cr
Tributary To: Unnamed 22.0349
WRIA: 22.0351
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.60 miles west of the CC-Line/CC-1000 junction.

Site Comments:

Beaver ponds upstream and downstream, site backwatered.

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: 6/10/2004
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): 1.25
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): 1.37
Rise (m): 0.96
Length (m): 11.84
Slope (%): 2.10
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.87
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Culvert is beveled on the upstream end. Toe width and OHW taken approximately 60 meters upstream of site due to wetland influence.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0369

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: CC-1000
County: Grays Harbor
1/4 Section: SW
Section: 27
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01501
Longitude: -123.55087
WA state plane south (NAD 27, feet)
East: 1,239,469
North: 628,025

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Camp Cr 22.0351
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.60 miles west of the CC-1000/CC-Line 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: 6/10/2004
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): 0.53
Rise (m): 0.61
Length (m): 24.78
Slope (%): 2.50
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.12
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Beaver pond downstream has backwatered site, no plunge pool or toe measurements available. Not able to complete level A.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0370

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 0.40 miles north of the Carter Express/CC-1000 junction.

Site Comments:

OHW = 0.25 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:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0371

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 0.75 miles north of the Carter Express/CC-1000 junction.

Site Comments:

OHW = 0.5 meters.

SPECIES POTENTIAL

- | | |
|------------------------------------|--------------------------------------------|
| <input type="checkbox"/> Sockeye | <input type="checkbox"/> Sea Run Cutthroat |
| <input type="checkbox"/> Pink | <input type="checkbox"/> Resident Trout |
| <input type="checkbox"/> Chum | <input type="checkbox"/> Dolly/Bull Trout |
| <input type="checkbox"/> Chinook | <input type="checkbox"/> Brook Trout |
| <input type="checkbox"/> Coho | <input type="checkbox"/> Brown Trout |
| <input type="checkbox"/> Steelhead | |

OWNER

Name:
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:

PVC chute attached to downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0372

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: NE
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01821
Longitude: -123.57659
WA state plane south (NAD 27, feet)
East: 1,233,103
North: 629,442

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: EF Sylvia Cr
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0264
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.3 miles north of the C-line/D-line junction.

Site Comments:

Natural point barrier for anadromous species at outlet of Lake Sylvia.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☐ Steelhead
☐ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
Field Crew: Haque/Lutz
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 4.49
OHW (m): 5.23
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m): 3.01
Span/Toe Ratio: 0.70

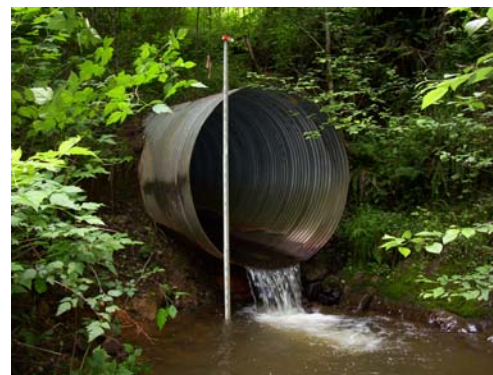
POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.11
Rise (m): 2.10
Length (m): 43.55
Slope (%): 2.40
Bed Material: No
Outfall Drop (m): 0.53
WDIC (m): 0.09
Apron: No
Fill Depth (m): 9.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0373

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01578
Longitude: -123.57882
WA state plane south (NAD 27, feet)
East: 1,232,513
North: 628,578

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Sylvia Cr 22.0264
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles north of the C-line/D-line junction.

Site Comments:

Natural point barrier for anadromous species at outlet of Lake Sylvia.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 0.62
Span/Toe Ratio: 1.44

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.89
Rise (m): 0.91
Length (m): 23.94
Slope (%): 1.78
Bed Material: No
Outfall Drop (m): 3.30
WDIC (m): 0.03
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:

Outfall drop onto cement blocks, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0374

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	D-line
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.01485
Longitude:	-123.57946
WA state plane south (NAD 27, feet)	
East:	1,232,340
North:	628,244

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Sylvia Cr 22.0264
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 80 meters north of the C-line/D-line junction.

Site Comments:

OHW=0.55 meters. Subsurface flows downstream of plunge pool.

SPECIES POTENTIAL

- ☐ Sockeye
- ☐ Pink
- ☐ Chum
- ☐ Chinook
- ☐ Coho
- ☐ Steelhead
- ☐ Sea Run Cutthroat
- ☐ Resident Trout
- ☐ Dolly/Bull Trout
- ☐ Brook Trout
- ☐ Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
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)	0.50
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)	0.38
Rise (m)	0.38
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0375

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	D-line
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.01419
Longitude:	-123.57983
WA state plane south (NAD 27, feet)	
East:	1,232,239
North:	628,007

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
- ☒ Field Review
- ☐ Threshold Determination
- ☐ Expanded Threshold Determination
- ☐ Downstream Check
- ☐ Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	RF Sylvia Cr 22.0264
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 30 meters south of the C-line/D-line junction.

Site Comments:

OHW=0.5 meters. Subsurface flow 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:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
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)	0.35
Span/Toe Ratio	2.60

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.91
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Plastic sleeve attached at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0376

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01364
Longitude: -123.58054
WA state plane south (NAD 27, feet)
East: 1,232,054
North: 627,816

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Sylvia Cr 22.0264
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters south of the C-line/D-line 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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 0.25
Span/Toe Ratio: 1.64

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.41
Rise (m): 0.41
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Plastic sleeve attached at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0377

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01244
Longitude: -123.58131
WA state plane south (NAD 27, feet)
East: 1,231,844
North: 627,384

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Sylvia Cr 22.0264
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles south of the C-line/D-line junction.

Site Comments:

OHW = 0.55 meters. Gradient barrier at outfall.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 0.87
Rise (m): 0.93
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Plastic sleeve attached at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0378

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 0.20 miles south of the C-line/D-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:
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

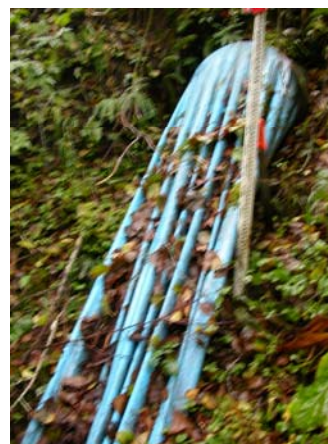
Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

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:

Plastic sleeve attached at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0379

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: SE
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01156
Longitude: -123.58183
WA state plane south (NAD 27, feet)
East: 1,231,702
North: 627,068

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Sylvia Cr 22.0264
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles south of the C-line/D-line 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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/10/2004
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): 0.40
Rise (m): 0.41
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.05
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

Plastic sleeve attached at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0380

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 100 meters north of the A-line/A-500 junction.

Site Comments:

OHW = 0.3 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:

Angled extension attached to downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0381

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia A-line
County: Grays Harbor
1/4 Section: NW
Section: 1
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99345
Longitude: -123.62567
WA state plane south (NAD 27, feet)
East: 1,220,512
North: 620,899

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of the A-line/A-500 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: 6/17/2004
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: CST
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.65
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:

127S0382

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 0.25 miles north of the A-line/A-500 junction.

Site Comments:

OHW = 0.5 meters.

SPECIES POTENTIAL

- | | |
|------------------------------------|--------------------------------------------|
| <input type="checkbox"/> Sockeye | <input type="checkbox"/> Sea Run Cutthroat |
| <input type="checkbox"/> Pink | <input type="checkbox"/> Resident Trout |
| <input type="checkbox"/> Chum | <input type="checkbox"/> Dolly/Bull Trout |
| <input type="checkbox"/> Chinook | <input type="checkbox"/> Brook Trout |
| <input type="checkbox"/> Coho | <input type="checkbox"/> Brown Trout |
| <input type="checkbox"/> Steelhead | |

OWNER

Name:
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:

Plastic sleeve attached to downstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0383

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia A-line
County: Grays Harbor
1/4 Section: SW
Section: 1
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99549
Longitude: -123.62494
WA state plane south (NAD 27, feet)
East: 1,220,724
North: 621,634

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles north of the A-line/A-500 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: 6/17/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.10
OHW (m): 0.60
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.55
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: PVC
Span (m): 0.61
Rise (m): 0.59
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.21
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:

127S0384

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 north of the A-line/A-500 junction.

Site Comments:

OHW = 3.30 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:

Culvert is beveled downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0385

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia A-line
County: Grays Harbor
1/4 Section: SW
Section: 36
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99644
Longitude: -123.62453
WA state plane south (NAD 27, feet)
East: 1,220,841
North: 621,978

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles north of the A-line/A-500 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: 6/17/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.60
OHW (m): 0.80
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.35
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): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.05
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:

127S0386

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia Lake Rd - Decom.
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00560
Longitude: -123.58859
WA state plane south (NAD 27, feet)
East: 1,229,933
North: 624,964

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.6 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch.

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: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: SST
Span (m): 0.25
Rise (m): 0.25
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.15
Apron: No
Fill Depth (m): 0.30
Tidegate: No

Culvert Comments:

Natural point barrier at US end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0387

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia Lake Rd - Decom.
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00414
Longitude: -123.58932
WA state plane south (NAD 27, feet)
East: 1,229,729
North: 624,438

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.5 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch

Site Comments:

OHW = 0.40 meters. Direct tributary to Lake Sylvia.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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): 0.40
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: SST
Span (m): 0.20
Rise (m): 0.20
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.12
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0388

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia Lake Rd - Decom.
County: Grays Harbor
1/4 Section: NW
Section: 32
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00284
Longitude: -123.58970
WA state plane south (NAD 27, feet)
East: 1,229,616
North: 623,968

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.4 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch

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: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: SST
Span (m): 0.27
Rise (m): 0.26
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Additional non functioning pipe at site on LB, both pipes feed into DS channel.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0389

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia Lake Rd - Decom.
County: Grays Harbor
1/4 Section: SW
Section: 32
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00228
Longitude: -123.59000
WA state plane south (NAD 27, feet)
East: 1,229,534
North: 623,768

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.45 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch

Site Comments:

OHW = 0.5 meters. Site is backwatered by Lake Sylvia.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: SST
Span (m): 0.20
Rise (m): 0.20
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

Fine sediment building up at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0390

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Sylvia Lake Rd - Decom.
County: Grays Harbor
1/4 Section: SW
Section: 32
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00125
Longitude: -123.58992
WA state plane south (NAD 27, feet)
East: 1,229,538
North: 623,390

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.30 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch

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: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
Field Crew: Haque/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.75
OHW (m): 0.50
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.30
Rise (m): 0.30
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:

DS end of culvert is recessed into road grade.
Point barrier immediately US of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0391

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Lake Sylvia Rd - Decom
County: Grays Harbor
1/4 Section: SW
Section: 32
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99983
Longitude: -123.59037
WA state plane south (NAD 27, feet)
East: 1,229,407
North: 622,878

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.2 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch

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: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: CST
Span (m): 0.29
Rise (m): 0.29
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.80
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.20
Tidegate: No

Culvert Comments:

Outfall is into Lake Sylvia.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0392

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 80 meters north of the Sylvia B-Line/ Lake Sylvia Rd junction.

Site Comments:

Natural point barrier for anadromous species located downstream at the outlet of Lake Sylvia.

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:

Pipe 1.2 is on right bank. Level A not completed due to lack of anadromous fish use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0392

Fish Use:

Yes

PI:

Barrier:

Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank. Level A not completed due to lack of anadromous fish use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0393

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: D-line
County: Grays Harbor
1/4 Section: NE
Section: 32
Township: 18N
Range: 17W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.00824
Longitude: -123.58338
WA state plane south (NAD 27, feet)
East: 1,231,269
North: 625,873

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: EF Sylvia Cr 22.0264
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.5 miles south of the C-line/D-line 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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: CST
Span (m): 0.41
Rise (m): 0.41
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.02
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

Plastic sleeve attached at DS end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0394

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: X-line
County: Grays Harbor
1/4 Section: NW
Section: 16
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.04305
Longitude: -123.56403
WA state plane south (NAD 27, feet)
East: 1,236,585
North: 638,373

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Sylvia Cr
Tributary To: Wynoochee R 22.0311
WRIA: 22.0261
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles west of the X-line/C-line junction.

Site Comments:

Natural point barrier for anadromous species located downstream at the outlet of Lake Sylvia.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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): 0.71
Span/Toe Ratio: 1.77

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.26
Rise (m): 1.22
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.04
Apron: No
Fill Depth (m):
Tidegate: No

Culvert Comments:

No plunge pool, stream riffles at outlet. OHW = 0.95 meters. Level A not completed due to lack of anadromous use.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0395

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-500
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.02063
Longitude: -123.59050
WA state plane south (NAD 27, feet)
East: 1,229,671
North: 630,459

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr. 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.15 miles north of the C-500/A-2500 junction.

Site Comments:

OHW = 0.25 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: CST
Span (m): 0.46
Rise (m): 0.46
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Blue plastic sleeve attached to downstream end. Photo taken at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0396

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-500
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01964
Longitude: -123.59120
WA state plane south (NAD 27, feet)
East: 1,229,483
North: 630,106

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 100 meters north of the C-500/A-2500 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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: CST
Span (m): 0.41
Rise (m): 0.39
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Photo taken at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0397

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: C-500
County: Grays Harbor
1/4 Section: NW
Section: 29
Township: 18N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.01865
Longitude: -123.59197
WA state plane south (NAD 27, feet)
East: 1,229,275
North: 629,752

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 15 meters north of the C-500/A-2500 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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/17/2004
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: CST
Span (m): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Photo taken at upstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0398

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Private Dr
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97866
Longitude: -123.61079
WA state plane south (NAD 27, feet)
East: 1,224,011
North: 615,364

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 60 meters east of the W Marcy Ave/S 9th St intersection, beneath private drive for residence @ 820 West Marcy.

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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
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): 0.38
Span/Toe Ratio: 2.05

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PVC
Span (m): 0.78
Rise (m): 0.78
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.02
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.
Unable to locate upstream end, possible storm water drain.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0399

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: W Marcy Ave.
County: Grays Harbor
1/4 Section: NW
Section: 7
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.97846
Longitude: -123.61108
WA state plane south (NAD 27, feet)
East: 1,223,934
North: 615,291

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Cr. 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 40 meters east of W Marcy Ave./S 9th St intersection.

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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
Field Crew: Blatt/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.50
OHW (m): 4.25
Max Depth (m): 1.00

CHANNEL DESCRIPTION

Toe Width (m): 0.38
Span/Toe Ratio: 1.61

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: PCC
Span (m): 0.61
Rise (m): 0.61
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 5.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0400

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: E Kennaston Ave
County: Grays Harbor
1/4 Section: SW
Section: 5
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98713
Longitude: -123.59504
WA state plane south (NAD 27, feet)
East: 1,228,059
North: 618,295

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Unnamed 22.0345
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles east of the E Kennaston Ave/N Church St intersection.

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: Montesano
Type: City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
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): 0.28
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: PCC
Span (m): 0.37
Rise (m): 0.37
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 0.01
Apron: No
Fill Depth (m): 1.50
Tidegate: No

Culvert Comments:

Riffle at downstream end, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0401

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	E Brady Loop Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97397
Longitude:	-123.51463
WA state plane south (NAD 27, feet)	
East:	1,247,929
North:	612,722

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="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 0.40 miles east of the E Brady Loop Rd/Foster Rd junction.

Site Comments:

Wetland/slough downstream. OHW > 0.6 meters.

SPECIES POTENTIAL

<input type="checkbox"/>	Sockeye	<input checked="" type="checkbox"/>	Sea Run Cutthroat
<input type="checkbox"/>	Pink	<input checked="" type="checkbox"/>	Resident Trout
<input type="checkbox"/>	Chum	<input type="checkbox"/>	Dolly/Bull Trout
<input type="checkbox"/>	Chinook	<input type="checkbox"/>	Brook Trout
<input checked="" type="checkbox"/>	Coho	<input type="checkbox"/>	Brown Trout
<input type="checkbox"/>	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2004
Field Crew:	Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.02
Rise (m)	2.02
Length (m)	18.19
Slope (%)	0.20
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	1.56
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No plunge pool or toe measurements due to backwatered slough. Level B not applicable due to lack of downstream control.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0402

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Foster Rd
County: Grays Harbor
1/4 Section: NE
Section: 11
Township: 17N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98080
Longitude: -123.52232
WA state plane south (NAD 27, feet)
East: 1,246,106
North: 615,286

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0353
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles south of the Foster Rd/E Brady Loop Rd junction.

Site Comments:

Beaver pond/slough 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: Grays Harbor
Type: County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 12/15/2004
Field Crew: Blatt/Lutz
Barrier: Unk
Passability (%):
Method: LBNA
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m):
Span/Toe Ratio:

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: BOX
Material: TMB
Span (m): 2.30
Rise (m): 2.10
Length (m): 9.28
Slope (%): 3.70
Bed Material: Yes
Outfall Drop (m): 0.00
WDIC (m): 1.40
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:

No plunge pool, toe or OHW measurements due to backwater slough upstream and downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0403

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-700
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99422
Longitude: -123.62104
WA state plane south (NAD 27, feet)
East: 1,221,678
North: 621,135

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Creek 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.30 miles southeast of Sylvia A-line/A-700 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: 1/11/2005
Field Crew: Hamel/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: 1.33

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.35
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:

127S0404

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-700
County: Grays Harbor
1/4 Section: NE
Section: 1
Township: 17N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99419
Longitude: -123.61867
WA state plane south (NAD 27, feet)
East: 1,222,268
North: 621,100

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Creek 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles southeast of the Sylvia A-line/A-700 junction.

Site Comments:

Poorly defined 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: Weyerhaeuser Company
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 1/11/2005
Field Crew: Hamel/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.40
Span/Toe Ratio: 1.23

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.62
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

Photo taken at upstream end of culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0405

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: A-720
County: Grays Harbor
1/4 Section: SE
Section: 36
Township: 18N
Range: 08W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.99650
Longitude: -123.61800
WA state plane south (NAD 27, feet)
East: 1,222,470
North: 621,935

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Sylvia Creek 22.0261
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.20 miles north of A-700/A-720 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: 1/11/2005
Field Crew: Hamel/Lutz
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 0.85
OHW (m): 0.52
Max Depth (m): 0.33

CHANNEL DESCRIPTION

Toe Width (m): 0.42
Span/Toe Ratio: 1.07

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.45
Rise (m): 0.45
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.05
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:

127S0406

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 0.3 miles NE of the GDRC 500/600 junction.

Site Comments:

Natural point barrier downstream at confluence with Canyon River. Mouth of culvert heavily rusted. 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:
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:

127S0407

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 500
County: Mason
1/4 Section: SW
Section: 18
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30201
Longitude: -123.50311
WA state plane south (NAD 27, feet)
East: 1,255,353
North: 732,181

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles NE of the GDRC 500/600 junction.

Site Comments:

Spring influence upstream with no discernable channel, OHW = 0.30 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: en Diamond Resource Comp
Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/13/2006
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.50
OHW (m): 0.60
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.80
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): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.60
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.25
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0408

Fish Use: Yes

PI:

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 500
County: Mason
1/4 Section: SW
Section: 18
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30259
Longitude: -123.50224
WA state plane south (NAD 27, feet)
East: 1,255,576
North: 732,383

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.50 miles NE of the GDRC 500/600 junction.

Site Comments:

Likely natural point barrier downstream at confluence with Canyon River. 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: 4/13/2006
Field Crew: Glore/Blatt
Barrier: No
Passability (%): 100
Method: LA
Repair Status: OK
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.60
OHW (m): 1.30
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.75
Span/Toe Ratio: 0.80

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.60
Rise (m): 0.60
Length (m): 16.43
Slope (%): 0.00
Bed Material: Yes
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:

127S0409

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 500
County: Mason
1/4 Section: SW
Section: 18
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30520
Longitude: -123.49956
WA state plane south (NAD 27, feet)
East: 1,256,277
North: 733,308

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.66 miles NE of the GDRC 500/600 junction.

Site Comments:

Gradient barrier downstream, very small channel upstream. 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: 4/13/2006
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.70
OHW (m): 1.40
Max Depth (m): 0.18

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): 0.47
Rise (m): 0.47
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.10
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:

127S0410

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 500
County: Mason
1/4 Section: SW
Section: 18
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30608
Longitude: -123.49833
WA state plane south (NAD 27, feet)
East: 1,256,594
North: 733,619

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.75 miles NE of the GDRC 500/600 junction.

Site Comments:

Natural point barrier (4.5 meters) downstream of culvert, upstream channel steep and narrow. 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: 4/13/2006
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: PCC
Span (m): 0.48
Rise (m): 0.48
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.50
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:

127S0411

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 500
County: Mason
1/4 Section: SW
Section: 18
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30682
Longitude: -123.49728
WA state plane south (NAD 27, feet)
East: 1,256,862
North: 733,879

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.8 miles NE of the GDRC 500/600 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:

Culvert plugged on upstream end, impounding water. Unable to locate mouth for slope shots - unable to complete leve A evaluation. OHW = 1.0 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 4/13/2006
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m):
OHW (m):
Max Depth (m):

CHANNEL DESCRIPTION

Toe Width (m): 0.75
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): 0.61
Length (m): 27.00
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Upstream end buried, unable to complete level A evaluation. Water flowing through road fill, not using pipe.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0412

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 500
County: Mason
1/4 Section: SW
Section: 18
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30737
Longitude: -123.49610
WA state plane south (NAD 27, feet)
East: 1,257,164
North: 734,066

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles NE of the GDRC 500/600 junction.

Site Comments:

Confluence with larger stream 50 meters downstream. 6 meter natural point barrier at downstream end of pipe. Small, steep channel upstream. OHW = 1.10 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: 4/13/2006
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): 1.10
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.65
Rise (m): 0.65
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.03
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Culvert heavily rusted on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0413

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 located immediately S of the GDRC 500/700 junction.

Site Comments:

Road is actively failing. Upstream channel very confined. OHW = 2.10 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:

Upstream end of culvert is Corrugated aluminium, 0.9 x 0.9 meters.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0414

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 immediately NW of the GDRC 500/700 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:
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

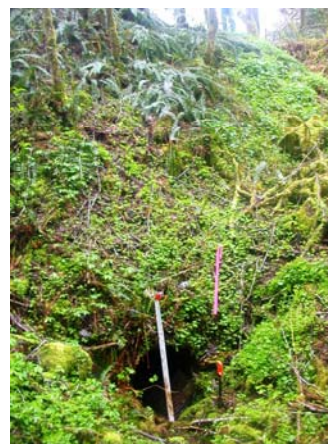
Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

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:

Photo of upstream end of culvert, downstream end covered by fill/sidecast.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0415

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	GDRC 700
County:	Mason
1/4 Section:	NE
Section:	21
Township:	18N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30882
Longitude:	-123.49274
WA state plane south (NAD 27, feet)	
East:	1,258,019
North:	734,562

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.1 miles NE of the GDRC 500/700 junction.

Site Comments:

Upstream channel small with some ditch influence. OHW = 0.8 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:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	0.80
OHW (m)	0.50
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.44

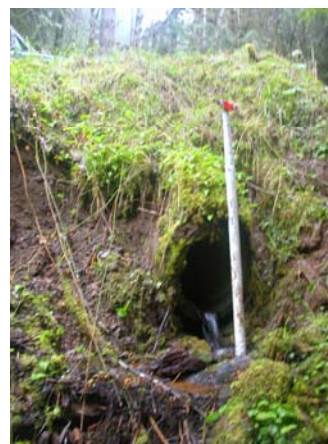
POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.48
Rise (m)	0.48
Length (m)	9.33
Slope (%)	12.00
Bed Material	No
Outfall Drop (m)	0.20
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:

127S0416

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 0.25 miles NE of the GDRC 500/700 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:
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:

127S0417

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	GDRC 700
County:	Mason
1/4 Section:	NE
Section:	18
Township:	21N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30919
Longitude:	-123.48774
WA state plane south (NAD 27, feet)	
East:	1,259,262
North:	734,652

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.35 miles NE of the GDRC 500/700 junction.

Site Comments:

Poorly defined channel upstream, some ditch delivery. 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:	4/13/2006
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)	0.60
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	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0418

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 0.4 miles NE of the GDRC 500/700 junction

Site Comments:

Poorly defined channel upstream. 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:
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:

127S0419

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 0.3 miles NE of the GDRC 700/701 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:
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:

Series of cascades immediately downstream.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0420

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 NE of the 700/701 junction, on an abandoned spur on the E side of the road.

Site Comments:

OHW = 0.55 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name:
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:

127S0421

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 500
County: Mason
1/4 Section: NW
Section: 18
Township: 20N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.30889
Longitude: -123.49774
WA state plane south (NAD 27, feet)
East: 1,256,779
North: 734,636

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.2 miles W of the GDRC 500/700 junction.

Site Comments:

OHW = 2.10 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: 5/12/2006
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): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 1.35
Span/Toe Ratio: 0.66

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m): 73.29
Slope (%): 6.20
Bed Material: No
Outfall Drop (m): 0.78
WDIC (m): 0.05
Apron: No
Fill Depth (m): 14.00
Tidegate: No

Culvert Comments:

Heavily rusted downstream, length and slope may be inaccurate due to horizontal bend in pipe beneath fill.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0422

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: SW
Section: 7
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31768
Longitude: -123.49546
WA state plane south (NAD 27, feet)
East: 1,257,466
North: 737,820

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles N of the 2368/2365 junction.

Site Comments:

Seasonal stream - dry at time of sample. > 10 meter natural point barrier at outlet of pipe, high gradient to Canyon River confluence. OHW = 1.95 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
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): 1.00
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): 0.91
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Photo of upstream end of pipe, and natural point barrier at outlet.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0423

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: SW
Section: 7
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.31947
Longitude: -123.49443
WA state plane south (NAD 27, feet)
East: 1,257,745
North: 738,461

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 miles N of the 2368/2365 junction.

Site Comments:

> 10 meter natural point barrier immediately downstream, high gradient stream. 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 1.05
OHW (m): 1.00
Max Depth (m): 0.25

CHANNEL DESCRIPTION

Toe Width (m): 0.50
Span/Toe Ratio: 1.62

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.81
Rise (m): 0.81
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 3.18
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0424

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: NE
Section: 7
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32377
Longitude: -123.49286
WA state plane south (NAD 27, feet)
East: 1,258,195
North: 740,014

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.35 miles N of the 2368/2365 junction.

Site Comments:

10 meter natural point barrier immediately downstream, 4 meter natural point barrier upstream. OHW = 1.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
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): 0.55
Span/Toe Ratio: 1.65

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.91
Rise (m): 0.91
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.50
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:

127S0425

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: NW
Section: 7
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.32975
Longitude: -123.49443
WA state plane south (NAD 27, feet)
East: 1,257,887
North: 742,207

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles N of the 2368/2368.1 junction.

Site Comments:

Natural point barrier at confluence with Canyon River, approx. 100 meters downstream. 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
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): 0.75
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): 0.92
Rise (m): 0.92
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.75
WDIC (m): 0.03
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Series of cascades downstream. Additional pipe (overflow) on right bank, 0.81 x 0.81 meters, Round, CST, no stream bed, angled extension on downstream end, natural point barrier at confluence with Canyon River.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0426

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: SW
Section: 6
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33091
Longitude: -123.49510
WA state plane south (NAD 27, feet)
East: 1,257,739
North: 742,638

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Mapped

Location / Directions:

Water crossing is approximately 0.2 miles N of the 2368/2368.1 junction.

Site Comments:

Recently replaced culvert, 5.4 meter natural point barrier downstream. Series of near natural point barriers upstream, high gradient stream. OHW = 5.0 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 4.20
OHW (m): 4.80
Max Depth (m): 0.47

CHANNEL DESCRIPTION

Toe Width (m): 2.50
Span/Toe Ratio: 0.86

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 2.15
Rise (m): 1.71
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.30
WDIC (m): 0.05
Apron: No
Fill Depth (m): 3.00
Tidegate: No

Culvert Comments:

Pipe bevelled downstream. No anadromous fish use, level A not completed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0427

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: NW
Section: 6
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33720
Longitude: -123.49991
WA state plane south (NAD 27, feet)
East: 1,256,635
North: 744,975

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles N of the 2368/2368.2 junction.

Site Comments:

Seasonal flows - dry at time of sample.
Gradient barrier upstream and downstream, confluence with Canyon River 50 meters downstream. OHW = 1.10 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
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): 1.00
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): 0.81
Rise (m): 0.81
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.00
Apron: No
Fill Depth (m): 6.00
Tidegate: No

Culvert Comments:

Angled extension on downstream end.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0428

Fish Use: Yes

PI:

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: NW
Section: 6
Township: 21N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.33882
Longitude: -123.50037
WA state plane south (NAD 27, feet)
East: 1,256,543
North: 745,571

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.25 miles N of the 2368/2368.2 junction.

Site Comments:

Natural point barrier immediately upstream, natural point barrier at Canyon River confluence. 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
Field Crew: Glore/Blatt
Barrier: Unk
Passability (%):
Method: OT
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.05
OHW (m): 1.70
Max Depth (m): 0.55

CHANNEL DESCRIPTION

Toe Width (m): 1.00
Span/Toe Ratio: 1.35

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.35
Rise (m): 1.35
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m):
WDIC (m): 0.04
Apron: No
Fill Depth (m): 1.00
Tidegate: No

Culvert Comments:

No anadromous fish use, level A not completed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0429

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 0.35 miles N of the 2368/2368.2 junction.

Site Comments:

Natural point barrier 20 meters downstream, outfall is natural point falls. OHW = 3.05 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

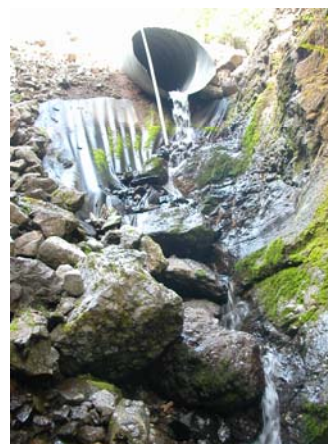
Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

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:

No anadromous fish use, level A not completed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0430

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: SW
Section: 31
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.34736
Longitude: -123.49512
WA state plane south (NAD 27, feet)
East: 1,257,961
North: 748,635

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0383
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.7 miles N of the 2368/2368.1 junction.

Site Comments:

High gradient stream, confluence with Canyon River 20 meters downstream. OHW = 3.7 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: Outfall drop, Slope

PLUNGE POOL DESCRIPTION

Length (m): 4.85
OHW (m): 3.95
Max Depth (m): 0.90

CHANNEL DESCRIPTION

Toe Width (m): 1.90
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): 2.10
Rise (m): 1.75
Length (m): 27.18
Slope (%): 18.00
Bed Material: No
Outfall Drop (m): 2.75
WDIC (m): 0.05
Apron: No
Fill Depth (m): 17.00
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0431

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: NE
Section: 31
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35260
Longitude: -123.49143
WA state plane south (NAD 27, feet)
East: 1,258,947
North: 750,509

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.05 miles N of the 2368/2368.2 junction.

Site Comments:

High gradient, seasonal stream. Gradient barrier upstream.
OHW = 2.35 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/12/2006
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): 2.35
Span/Toe Ratio: 0.34

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.80
Rise (m): 0.80
Length (m):
Slope (%):
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:

127S0432

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 1.6 miles N of the 2368/2368.2 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name:
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:

127S0433

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: NE
Section: 31
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.35574
Longitude: -123.49014
WA state plane south (NAD 27, feet)
East: 1,259,309
North: 751,643

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.7 miles N of the USFS 2368/2368.2 junction.

Site Comments:

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☐ Steelhead
☐ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m): 4.80
OHW (m): 4.60
Max Depth (m): 0.75

CHANNEL DESCRIPTION

Toe Width (m): 1.60
Span/Toe Ratio: 0.97

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.55
Rise (m): 1.55
Length (m): 27.43
Slope (%): 23.00
Bed Material: No
Outfall Drop (m): 1.30
WDIC (m): 0.03
Apron: No
Fill Depth (m): 6.50
Tidegate: No

Culvert Comments:

Vertical intake pipe on upstream end of culvert, downstream end is beveled.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0434

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: SE
Section: 30
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36292
Longitude: -123.48872
WA state plane south (NAD 27, feet)
East: 1,259,762
North: 754,243

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles S of the 2368/2300 junction.

Site Comments:

Natural point barrier at outlet.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 0
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 3.50
OHW (m): 3.00
Max Depth (m): 1.50

CHANNEL DESCRIPTION

Toe Width (m): 1.30
Span/Toe Ratio: 1.17

POTENTIAL HABITAT GAIN

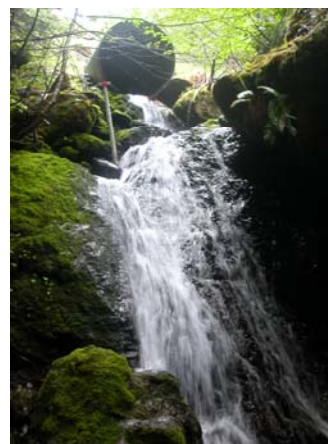
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.52
Rise (m): 1.52
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 4.20
WDIC (m): 0.04
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Abandoned culvert on downstream end (only on downstream end), not passing water. Debris rack on upstream end. No anadromous fish use, level A not completed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0435

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2368
County: Mason
1/4 Section: SE
Section: 30
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36672
Longitude: -123.48801
WA state plane south (NAD 27, feet)
East: 1,259,988
North: 755,621

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles S of the 2300/2368 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Ourfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m): 2.00
OHW (m): 0.70
Max Depth (m): 0.20

CHANNEL DESCRIPTION

Toe Width (m): 1.80
Span/Toe Ratio: 0.82

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.48
Rise (m): 1.48
Length (m): 17.06
Slope (%): 24.00
Bed Material: No
Outfall Drop (m): 3.10
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0436

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300
County: Mason
1/4 Section: NE
Section: 30
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37272
Longitude: -123.48399
WA state plane south (NAD 27, feet)
East: 1,261,069
North: 757,774

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.45 miles NE of the 2300/2368 junction.

Site Comments:

Probable gradient barrier upstream. Canyon River confluence immediately downstream.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☐ Steelhead
☐ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Slope

PLUNGE POOL DESCRIPTION

Length (m): 2.60
OHW (m): 3.10
Max Depth (m): 0.35

CHANNEL DESCRIPTION

Toe Width (m): 1.50
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): 1.70
Rise (m): 1.70
Length (m): 15.44
Slope (%): 9.40
Bed Material: No
Outfall Drop (m): 0.15
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:

127S0437

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300
County: Mason
1/4 Section: SE
Section: 19
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37529
Longitude: -123.48348
WA state plane south (NAD 27, feet)
East: 1,261,228
North: 758,706

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.6 miles N of the 2300/2368 junction.

Site Comments:

Large waterfall upstream limits upstream habitat gain. Series of small cascades to Canyon River confluence.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
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): 1.80
Max Depth (m): 0.65

CHANNEL DESCRIPTION

Toe Width (m): 1.75
Span/Toe Ratio: 0.61

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.07
Rise (m): 1.07
Length (m): 11.21
Slope (%): 15.00
Bed Material: No
Outfall Drop (m): 2.50
WDIC (m): 0.03
Apron: No
Fill Depth (m): 0.50
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0438

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300
County: Mason
1/4 Section: SE
Section: 19
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.37607
Longitude: -123.48367
WA state plane south (NAD 27, feet)
East: 1,261,192
North: 758,992

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.65 miles N of the 2300/2368 junction.

Site Comments:

Road failing on downstream end, no access to outlet of culvert.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☐ Steelhead
☐ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop

PLUNGE POOL DESCRIPTION

Length (m): 1.30
OHW (m): 1.10
Max Depth (m): 0.15

CHANNEL DESCRIPTION

Toe Width (m): 0.78
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): 0.94
Rise (m): 0.94
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 2.90
WDIC (m): 0.03
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Road failing on downstream side. No anadromous fish use, level A not completed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0439

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2367
County: Mason
1/4 Section: NE
Section: 19
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38468
Longitude: -123.48328
WA state plane south (NAD 27, feet)
East: 1,261,410
North: 762,123

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: Canyon River
Tributary To: WF Satsop 22.0364
WRIA: 22.0377
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.4 miles NW of the 2300/2367 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 15.20
OHW (m): 14.50
Max Depth (m): 2.50

CHANNEL DESCRIPTION

Toe Width (m): 8.60
Span/Toe Ratio: 0.59

POTENTIAL HABITAT GAIN

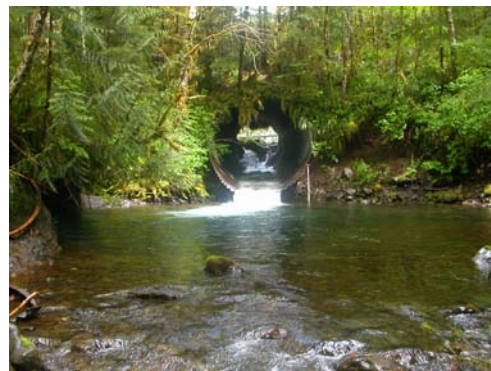
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 5.05
Rise (m): 5.05
Length (m): 23.38
Slope (%): 2.00
Bed Material: No
Outfall Drop (m): 0.65
WDIC (m): 0.20
Apron: No
Fill Depth (m): 8.50
Tidegate: No

Culvert Comments:

Large log has washed into upstream end severely deforming inlet, and diverting flow into fill. Upstream side of road beginning to fail.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0440

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2367
County: Mason
1/4 Section: NE
Section: 19
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38555
Longitude: -123.49309
WA state plane south (NAD 27, feet)
East: 1,258,993
North: 762,536

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0388
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 miles NW of the 2300/2367 junction.

Site Comments:

Slide/cascade at outlet, with several pools between steps.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
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): 1.75
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): 1.10
Rise (m): 1.10
Length (m): 15.34
Slope (%): 5.90
Bed Material: No
Outfall Drop (m): 3.20
WDIC (m): 0.02
Apron: No
Fill Depth (m): 0.75
Tidegate: No

Culvert Comments:

Cascade at outlet, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0441

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 1.1 miles NW of the 2300/2367 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:
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:

127S0442

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300
County: Mason
1/4 Section: SE
Section: 19
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38010
Longitude: -123.48259
WA state plane south (NAD 27, feet)
East: 1,261,517
North: 760,451

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.1 miles NE of the 2300/2367 junction.

Site Comments:

High gradient seasonal stream, dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye
☐ Pink
☐ Chum
☐ Chinook
☐ Coho
☐ Steelhead
☐ Sea Run Cutthroat
☒ Resident Trout
☐ Dolly/Bull Trout
☐ Brook Trout
☐ Brown Trout

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m): 4.85
OHW (m): 3.20
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 1.10
Span/Toe Ratio: 1.00

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.09
Rise (m): 1.09
Length (m): 17.76
Slope (%): 21.00
Bed Material: No
Outfall Drop (m): 0.85
WDIC (m): 0.00
Apron: No
Fill Depth (m): 3.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0443

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2300
County:	Mason
1/4 Section:	NW
Section:	20
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.38226
Longitude:	-123.47195
WA state plane south (NAD 27, feet)	
East:	1,262,399
North:	761,206

EVALUATION LEVEL COMPLETED

<input type="checkbox"/>	Report Logged
<input checked="" type="checkbox"/>	Field Review
<input type="checkbox"/>	Threshold Determination
<input type="checkbox"/>	Expanded Threshold Determination
<input type="checkbox"/>	Downstream Check
<input type="checkbox"/>	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.4 miles NW of the 2300/2367 junction.

Site Comments:

High gradient stream upstream, series of cascades downstream. Large elevation change from inlet to outlet.

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		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	6.50
OHW (m)	4.90
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	1.05

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.58
Rise (m)	1.58
Length (m)	42.93
Slope (%)	18.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Downstream end deformed by log that has fallen over outlet.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0444

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300
County: Mason
1/4 Section: SE
Section: 17
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38982
Longitude: -123.47080
WA state plane south (NAD 27, feet)
East: 1,264,567
North: 763,884

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.25 miles NE of the 2300/2367 junction.

Site Comments:

Gradient barrier upstream and downstream (gradient > 20%).

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
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): 0.90
Span/Toe Ratio: 1.21

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.09
Rise (m): 1.09
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.05
Apron: No
Fill Depth (m): 8.50
Tidegate: No

Culvert Comments:

Riffle at outlet, no plunge pool.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0445

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300
County: Mason
1/4 Section: SE
Section: 17
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.39314
Longitude: -123.46528
WA state plane south (NAD 27, feet)
East: 1,265,982
North: 765,043

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.65 miles NE of the 2300/2367 junction.

Site Comments:

Seasonal stream is dry at time of sample. High gradient downstream, poorly defined channel upstream - OHW < 0.6 meters.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/22/2006
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: 2.18

POTENTIAL HABITAT GAIN

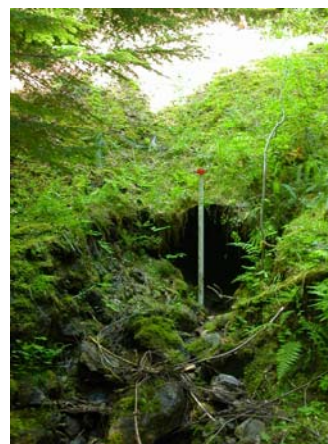
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.09
Rise (m): 1.09
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.00
WDIC (m): 0.00
Apron: No
Fill Depth (m): 8.00
Tidegate: No

Culvert Comments:

Riffle at outlet, no plunge pool



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0446

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 0.25 miles N of the 2367/2300 junction.

Site Comments:

Series of cascades at outlet, 2nd cascade measures 4 vertical meters = natural point barrier.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name:
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

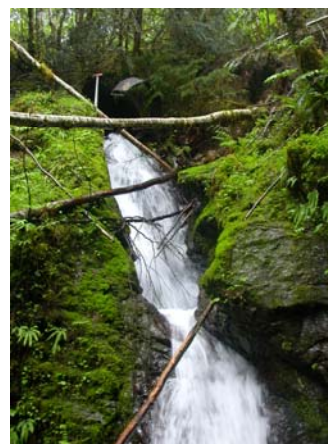
Survey Type:
Length (m):
Spawning (sq m)
Rearing (sq m)

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:

Large pile of LWD obscures plunge pool measurements.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0447

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2367
County: Mason
1/4 Section: NE
Section: 19
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38033
Longitude: -123.48397
WA state plane south (NAD 27, feet)
East: 1,261,179
North: 760,548

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 30 meters N of the 2300/2367 junction.

Site Comments:

Seasonal stream dry at time of sample.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 5/25/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 1.70
Max Depth (m): 0.30

CHANNEL DESCRIPTION

Toe Width (m): 2.15
Span/Toe Ratio: 0.51

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.10
Rise (m): 1.10
Length (m): 30.14
Slope (%): 17.00
Bed Material: No
Outfall Drop (m): 0.40
WDIC (m): 0.00
Apron: No
Fill Depth (m): 11.70
Tidegate: No

Culvert Comments:



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0448

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: GDRC 6875
County: Grays Harbor
1/4 Section: SE
Section: 25
Township: 21N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.27952
Longitude: -123.50993
WA state plane south (NAD 27, feet)
East: 1,253,347
North: 724,048

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.60 miles NE of the GDRC 6875/500 junction.

Site Comments:

Intermittent sub surface flows 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/6/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: Outfall, Slope

PLUNGE POOL DESCRIPTION

Length (m): 3.40
OHW (m): 2.05
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.65
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): 0.79
Rise (m): 0.79
Length (m): 18.53
Slope (%): 6.30
Bed Material: No
Outfall Drop (m): 0.97
WDIC (m): 0.03
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Stream OHW=0.95m.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0449

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300.44
County: Mason
1/4 Section: NE
Section: 30
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36887
Longitude: -123.48489
WA state plane south (NAD 27, feet)
East: 1,260,793
North: 756,379

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.10 miles SE of the 2300/2300.44 junction.

Site Comments:

Limited gain upstream of culvert due to natural point barrier falls. Stream enters confluence of Canyon River approximately 80 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2006
Field Crew: Glore/Blatt
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): 1.80
Span/Toe Ratio: 0.58

POTENTIAL HABITAT GAIN

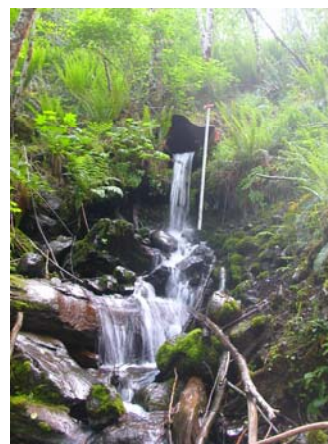
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.04
Rise (m): 1.04
Length (m): 19.51
Slope (%): 23.78
Bed Material: No
Outfall Drop (m): 4.00
WDIC (m): 0.06
Apron: No
Fill Depth (m): 3.50
Tidegate: No

Culvert Comments:

Outfall is onto pile of slash with LWD pieces present.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0450

Fish Use: Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300.44
County: Mason
1/4 Section: SE
Section: 30
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36628
Longitude: -123.48309
WA state plane south (NAD 27, feet)
East: 1,261,203
North: 755,418

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.33 miles SE of the 2300/2300.44 junction.

Site Comments:

High gradient channel with sub surface flows directly after plunge pool.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2006
Field Crew: Glore/Blatt
Barrier: Yes
Passability (%): 33
Method: LA
Repair Status: UD
Problem: outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m): 1.90
OHW (m): 2.60
Max Depth (m): 0.40

CHANNEL DESCRIPTION

Toe Width (m): 0.90
Span/Toe Ratio: 1.39

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.25
Rise (m): 1.25
Length (m): 18.96
Slope (%): 10.75
Bed Material: No
Outfall Drop (m): 0.80
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:

127S0451

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300.44
County: Mason
1/4 Section: SE
Section: 30
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36956
Longitude: -123.48318
WA state plane south (NAD 27, feet)
East: 1,261,176
North: 755,299

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.35 miles SE of the 2300/2300.44 junction.

Site Comments:

Stream has bypassed culvert and site is a wet crossing on decommissioned road. Culvert is located on left bank and is no longer in stream channel.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
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: 0
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:

127S0452

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300.44
County: Mason
1/4 Section: SE
Section: 29
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36192
Longitude: -123.47857
WA state plane south (NAD 27, feet)
East: 1,262,262
North: 753,783

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 1.0 mile SE of the 2300/2300.44 junction.

Site Comments:

Stream dry at time of survey. Gradient of stream channel is barrier to fish.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☐ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2006
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): 0.90
Span/Toe Ratio: 0.54

POTENTIAL HABITAT GAIN

Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 0.49
Rise (m): 0.49
Length (m):
Slope (%):
Bed Material: Yes
Outfall Drop (m): 0.90
WDIC (m): 0.00
Apron: No
Fill Depth (m): 2.00
Tidegate: No

Culvert Comments:

Sink hole in center of road directly above culvert. Grade break in culvert.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0453

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2367.2
County: Grays Harbor
1/4 Section: NE
Section: 22
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38111
Longitude: -123.50927
WA state plane south (NAD 27, feet)
East: 1,254,926
North: 761,070

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0387
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.9 miles SW of the 2367.2/2367 junction.

Site Comments:

High gradient stream approximately 30% slope 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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2006
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 3.30
OHW (m): 2.30
Max Depth (m): 0.45

CHANNEL DESCRIPTION

Toe Width (m): 1.70
Span/Toe Ratio: 0.63

POTENTIAL HABITAT GAIN

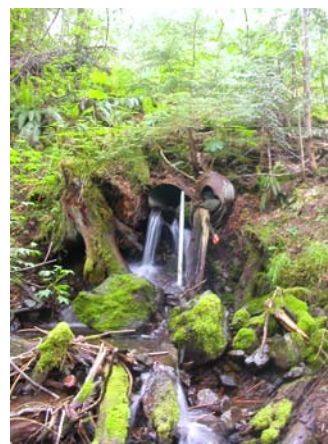
Survey Type:
Length (m):
Spawning (sq m):
Rearing (sq m):

CULVERT DESCRIPTION

Sequencer: 1.1
Shape: RND
Material: CST
Span (m): 1.06
Rise (m): 1.06
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 1.10
WDIC (m): 0.04
Apron: No
Fill Depth (m): 4.00
Tidegate: No

Culvert Comments:

Downstream end of culvert is partially blocked with debris and is deformed.



WRIA 22 Fish Passage Inventory

Mason Conservation District

Site ID:

127S0454

Fish Use: No

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2367.2
County: Grays Harbor
1/4 Section: NE
Section: 24
Township: 22N
Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.38174
Longitude: -123.50949
WA state plane south (NAD 27, feet)
East: 1,254,880
North: 761,302

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: unnamed 22.0387
WRIA: 22.0000
Fish Use: No
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 0.80 miles SW of the 2367/2367.2 junction.

Site Comments:

Small seasonal stream, dry at time of survey.
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: Olympic National Forest
Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date: 6/7/2006
Field Crew: Glore/Blatt
Barrier:
Passability (%):
Method:
Repair Status:
Problem:

PLUNGE POOL DESCRIPTION

Length (m): 2.20
OHW (m): 1.70
Max Depth (m): 0.50

CHANNEL DESCRIPTION

Toe Width (m): 0.50
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): 0.79
Rise (m): 0.79
Length (m):
Slope (%):
Bed Material: No
Outfall Drop (m): 0.60
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:

127S0455

Fish Use: Yes

PI:

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name: USFS 2300.44
County: Mason
1/4 Section: SW
Section: 29
Township: 22N
Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.36012
Longitude: -123.47554
WA state plane south (NAD 27, feet)
East: 1,262,988
North: 753,099

EVALUATION LEVEL COMPLETED

- ☐ Report Logged
☒ Field Review
☐ Threshold Determination
☐ Expanded Threshold Determination
☐ Downstream Check
☐ Physical Survey

WATERBODY

Stream: unnamed
Tributary To: Canyon River 22.0377
WRIA: 22.0385
Fish Use: Yes
FUP Criteria: Physical

Location / Directions:

Water crossing is approximately 2.0 miles S of the 2300/2300.44 junction.

Site Comments:

Road crossing has completely washed away.
No man made barriers in place.

SPECIES POTENTIAL

- ☐ Sockeye ☐ Sea Run Cutthroat
☐ Pink ☒ Resident Trout
☐ Chum ☐ Dolly/Bull Trout
☐ Chinook ☐ Brook Trout
☐ Coho ☐ Brown Trout
☐ Steelhead

OWNER

Name: Olympic National Forest
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: 0
Shape
Material
Span (m)
Rise (m)
Length (m)
Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

Culvert Comments:

