# **Wynoochee Drainage - Barrier Inventory Results**

#### Total sites inventoried = 432

#### Fish use of 432 inventoried sites

Yes, fish bearing = 282 No, non fish bearing = 142 Unable to determine fish use status = 8

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

Yes, a barrier = 223 No, not a barrier = 19 Unable to determine barrier status = 48

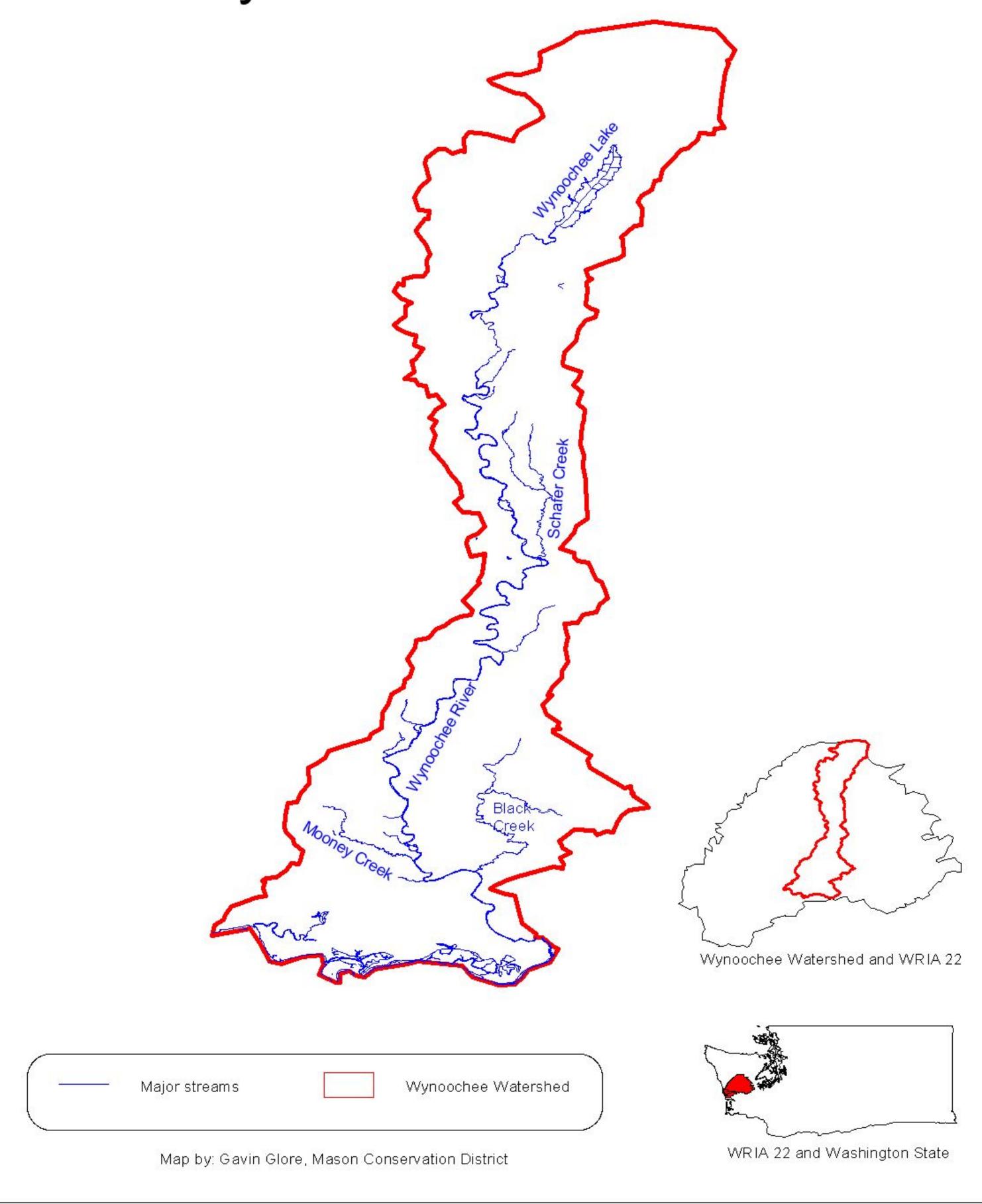
### Percent passable of 223 Barrier Sites

0% passable, total barrier = 12 33% passable, severe barrier = 157 67% passable, partial barrier = 54

#### Ownership of 223 Fish Bearing, Barrier Sites

Private = 5
Municipal = 4
County = 9
State = 0
Federal = 104
Timber Companies = 101

# Wynoochee Watershed



**Mason Conservation District** 

Site ID:	127Y0001	Fish Use:	No
PI:		Barrier:	

SITE DESCR	IPTION					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL	COMPLETED
Road Name:	Devonshire Rd	WGS 84, decimal de	grees		Report Logge	d
County:	Grays Harbor	Latitude:	46.97607	<b>✓</b>	Field Review	
1/4 Section:	NW	Longitude:	-123.62473		Threshold Det	ermination
Section:	12	WA state plane south	(NAD 27, feet)		Expanded Thr	eshold Determination
Township:	17N	East:	1,220,497		Downstream (	Check
Range:	W80	North:	614,557		Physical Surv	еу
WATERBODY		Location / Direction	s:	SDECI	ES POTENTIAL	
Stream:	unnamed	Water crossing is app	proximately 0.1 miles		Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	southeast of Devonsh			Pink	Resident Trout
WRIA:	22.0000	junction.	junction.		Chum	Dolly/Bull Trout
Fish Use:	No				Chinook	Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho	Brown Trout
OWNER		Flows through pasture downstream of culvert.  OHW = 0.45 meters.			Steelhead	
Name:	Grays Harbor					
Type:	County					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DES	CRIPTION	POTEN	ITIAL HABITAT	GAIN
Review Date:	4/15/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRIF	TION	Rearing	. ,	
Method		Г	TION	rtoanng	, (oq 111)	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

#### **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)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

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



#### **Mason Conservation District**

## Site ID:

PI:

#### 127Y0002

Fish Use:

Barrier:

Yes

No

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	17N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal de	gree
Latitude:	

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

culvert.

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

Beaver dam at upstream end of culvert.

Juvenile coho identified at downstream end of

#### SP

ECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
<b>~</b>	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### **OWNER**

Name:	Edwards, Charyn
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	1.35

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

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

Toe Width (m)	1.35
Span/Toe Ratio	0.81

#### **Culvert Comments:**

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



#### **Mason Conservation District**

Site ID:

PI:

127Y0003

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Devonshire Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
46.96564		
-123.64000		
WA state plane south (NAD 27, feet)		
1,216,537		
610,907		

#### EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	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:**

Site Comments:

ditch. OHW=2.9m.

Water crossing is approximately 50 meters southwest of Devonshire Rd/Aldergrove Dr junction.

Stream is backwatered and runs in roadside

#### SPECIES POTENTIAL

PECIE	3 FUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	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)	2.23	
Span/Toe Ratio	0.53	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	ARCH
Material	PCC
Span (m)	1.40
Rise (m)	1.10
Length (m)	9.36
Slope (%)	-0.75
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.59
Apron	No
Fill Depth (m)	0.50
Tidegate	No

# Culvert Comments:

Level B not applicable due lack of downstream control.



**Mason Conservation District** 

Site ID:

PI:

46.96593

127Y0004

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Railroad tracks
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal	degrees
Latitude:	

**Location / Directions:** 

RR tracks. Site Comments:

-123.64001 Longitude: WA state plane south (NAD 27, feet)

East: 1,216,537 611,012 North:

Water crossing is approximately 40 meters west

of the Clemons Rd/Devonshire Rd junction, between Clemons and Devonshire Rd beneath

## SI

PECIES	POTENTIAL		
	Sockeye	<b>~</b>	Sea Run Cutthroat
	Pink	<b>~</b>	Resident Trout
	Chum		Dolly/Bull Trout
	Chinook		Brook Trout
<b>✓</b>	Coho		Brown Trout
	Steelhead		

#### WATERBODY

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

## **OWNER**

Name:	Puget Sound and Pacific RF
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

Stream channel is heavily modified.

CHANNEL DESC	
CHANNEL DESCI	RIPTION
Max Depth (m)	
OHW (m)	
Length (m)	
Length (m)	

Toe Width (m)	2.23
Span/Toe Ratio	0.78

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.45
Rise (m)	1.45
Length (m)	7.79
Slope (%)	-3.30
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.90
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0005

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Clemons Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	46.96609	
Longitude:	-123.6399	

WA state plane south (NAD 27, feet)

1,216,556 611,070 North:

Water crossing is approximately 15 meters west

of the Clemons Rd/Aldergrove Dr junction.

### SI

PECIES POTENTIAL				
	Sockeye	Sea Run Cutthroat		
	Pink	✓ Resident Trout		
	Chum	Dolly/Bull Trout		
	Chinook	Brook Trout		
<b>~</b>	Coho	Brown Trout		
	Steelhead			

#### WATERBODY

OWNER

Name:

Type:

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

Grays Harbor

County

# Site Comments:

**Location / Directions:** 

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

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCR	IPTION
Max Depth (m)	
OHW (m)	
Lengin (m)	
Length (m)	

Toe Width (m)	2.23
Span/Toe Ratio	0.18

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.41
Rise (m)	0.41
Length (m)	11.99
Slope (%)	0.90
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.41
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Level B not applicable due to lack of downstream control.



#### **Mason Conservation District**

Site ID:

PI:

1,213,667

610,271

127Y0006

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION	

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION	
Road Name:	Central Park Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	14
Township:	17N

W80

unnamed

Chehalis R 22.0190

22.0000

Physical

Grays Harbor

County

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.96358	
Longitude:	-123.65138	
WA state plane south (NAD 27, feet)		

#### North: **Location / Directions:**

East:

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

#### Site Comments:

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES POTENTIAL			
Sockeye	Sea Run Cutthroa		
Pink	Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
<b>✓</b> Coho	Brown Trout		
Steelhead			

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
PHON		
PHON		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.44
0.44
10.45
0.86
No
0.00
0.30
No
1.00
No

#### **Culvert Comments:**

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



#### **Mason Conservation District**

Site ID:

PI:

127Y0007

Fish Use:

Yes

Barrier: Unk

SITE	DEC		DT	
<b>SIIF</b>	115	1 . KI		

**GENERAL LOCATION** 

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

08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 46.96362

 Longitude:
 -123.65469

 WA state plane south (NAD 27, feet)

 East:
 1,212,842

 North:
 610,316

# EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

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

#### **Location / Directions:**

Site Comments:

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

Wetland habitat upstream and downstream of

#### SPECIES POTENTIAL

	-	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Grays Harbor
Туре:	County

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

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

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.59
Length (m)	12.18
Slope (%)	-0.03
Bed Material	No
Outfall Drop (m)	0.06
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

No toe width, OHW or plunge pool measurements due to wetland influences. Level B not applicable due to lack of downstream control.

#### **Mason Conservation District**

Site ID:

PI:

127Y0008

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

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

#### **POSITIONAL DATA**

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

610,308

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
Chehalis R 22.0190
22.0000
Yes
Physical

#### **Location / Directions:**

Site Comments:

North:

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

Wetland habitat upstream and downstream of

#### SPECIES POTENTIAL

, LCILO I	OILMIIAL	
So	ockeye	✓ Sea Run Cutthroa
Pi	nk	✓ Resident Trout
CI	hum	Dolly/Bull Trout
CI	hinook	Brook Trout
<b>✓</b> C	oho	Brown Trout
St	eelhead	

#### OWNER

Name:	William and Michelle Walter
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
PTION		
PTION		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.35
Rise (m)	0.35
Length (m)	10.86
Slope (%)	-1.80
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

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



**Mason Conservation District** 

## Site ID:

PI:

46.96304

127Y0009

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

#### Barrier: Yes

## SITE DESCRIPTION

# **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

WGS 84, decimal de	gree
Latitude:	

**Location / Directions:** 

Site Comments:

Lanath (m)

-123.66093 Longitude: WA state plane south (NAD 27, feet)

1,211,277 610,167 North:

Water crossing is approximately 0.75 miles

Wetland habitat upstream and downstream of

west of Katon Rd/Devonshire Rd junction (Devonshire Rd becomes Central Park Drive).

#### SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

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

## **OWNER**

Name:	Grays Harbor
Гуре:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	4/29/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.60
0.60
9.86
5.30
No
0.16
0.05
No
1.50
No

#### **Culvert Comments:**

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



**Mason Conservation District** 

Site ID:

127Y0010

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Yes

PI:

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** Hill Rd Road Name: County: Grays Harbor SW 1/4 Section: 9 Section: 17N Township:

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

North:

WGS 84, decimal de	grees
Latitude:	46.96838
Longitude:	-123.69166
WA state plane south (NAD 27, feet)	
East:	1,203,688

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

612,421

# Physical Survey

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### WATERBODY

Range:

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

08W

#### OWNER

Name:	Grays Harbor
Type:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	4/29/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	0.83

0.76

Survey Type:	
Length (m):	
o · / \	

**POTENTIAL HABITAT GAIN** 

# Spawning (sq m) Rearing (sq m)

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.62
Rise (m)	0.62
Length (m)	28.98
Slope (%)	1.33
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Riffle at downstream end of culvert, no outfall



**Mason Conservation District** 

Site ID:	127Y0011	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

SITE DESCR	111014				
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	Private Dr	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	46.97581	<b>✓</b>	Field Review
1/4 Section:	NE	Longitude:	-123.68660		Threshold Determination
Section:	9	WA state plane sou	th (NAD 27, feet)		Expanded Threshold Determination
Township:	17N	East:	1,205,061		Downstream Check
Range:	W80	North:	615,081		Physical Survey
WATERBODY		Location / Directions:		SPECIES POTENTIAL	
Stream:	unnamed	Water crossing is lo	Water crossing is located beneath private drive		Sockeye Sea Run Cutthroat
Tributary To:	Chehalis R 22.0190	@ 6940 Northbank			
WRIA:	22.0000				
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			
OWNER		OHW = 0.39 meters.			Coho Brown Trout Steelhead
Name:	Martin & Ruthanne Kay	Martin & Ruthanne Kay			
Type:	Private				
LEVEL A ANALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT GAIN
Review Date:	4/29/2004	Length (m)		Survey	Туре:
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):
Porrior		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCR	IDTION	Rearing	
Method		CHANNEL DESCR	IF I ION	rtearing	(34 111)

#### **CULVERT DESCRIPTION**

Repair Status

Problem

1.1
RND
CST
0.30
0.30
No
0.14
0.02
No
1.20
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

127Y0012

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

## GENERAL LOCATION

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

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

**Site Comments:**OHW = 0.65 meters.

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

#### SPECIES POTENTIAL

OF ECILS FOTEINTIAL					
Sockeye	Sea Run Cutthroa				
Pink	✓ Resident Trout				
Chum	Dolly/Bull Trout				
Chinook	Brook Trout				
<b>✓</b> Coho	Brown Trout				
Steelhea	nd				

#### OWNER

Name:	Mr. And Mrs. Foscue
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	1.99
OHW (m)	1.31
Max Depth (m)	0.13
CHANNEL DESCRIPTION	

0.55

0.67

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.37
Rise (m)	0.37
Length (m)	14.94
Slope (%)	-0.30
Bed Material	No
Outfall Drop (m)	0.13
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### Span/Toe Ratio

**Culvert Comments:** 

Toe Width (m)

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



#### **Mason Conservation District**

Site ID:

PI:

639,250

127Y0013

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

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

08W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

East:

North:

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

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

# S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Range:

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

## OWNER

Name:	Mr. And Mrs. Foscue
Туре:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Primarily ditch delivery upstream.

Length (m)	2.78	
OHW (m)	1.00	
Max Depth (m)	0.17	
CHANNEL DESCRIPTION		
Toe Width (m)		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.31
0.31
11.17
2.50
No
0.04
0.02
No
2.00
No

#### **Culvert Comments:**

Span/Toe Ratio

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



Site ID:

127Y0014

Fish Use: Barrier:

Yes Unk

#### PI: **Mason Conservation District**

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Wynoochee Tract Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	17N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal degrees

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

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey
	Expanded Threshold Determination Downstream Check

#### WATERBODY

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

#### Location / Directions:

Site Comments:

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

#### SPECIES POTENTIAL

		-
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Staalhaad	

#### OWNER

Name:	Grays Harbor
Гуре:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Juvenile coho identified in culvert.

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.70
Rise (m)	1.25
Length (m)	12.47
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

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



#### **Mason Conservation District**

Site ID:

PI:

127Y0015

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

**GENERAL LOCATION** 

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

08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

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

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Caldwell Cr 22.0280
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

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

Landowner identified spawning coho at culvert.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Dagnen, Gary
Туре:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

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

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.80	

2.33

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

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

## Culvert Comments:

Span/Toe Ratio

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



#### **Mason Conservation District**

Site ID:

PI:

127Y0016

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	27
Township:	18N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.01124	
Longitude:	-123.67375	
WA state plane south (NAD 27, feet)		

East: 1,208,784 627,860 North:

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

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

Landowner reports returning adult coho.

## SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Dagnen, Dan
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	14.20	
OHW (m)	3.89	
Max Depth (m)	0.79	
CHANNEL DESCRIPTION		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	1.55
Rise (m)	1.39
Length (m)	8.61
Slope (%)	0.50
Bed Material	No
Outfall Drop (m)	0.12
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Toe Width (m)	2.31
Span/Toe Ratio	0.67

#### **Culvert Comments:**

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



**Mason Conservation District** 

Site ID: **127Y0017** F

Length (m):

Spawning (sq m)

Rearing (sq m)

Fish Use: No

Barrier:

SITE	DESCRI	PTION
91 I L	PEGGIN	

#### POSITIONAL DATA **EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged WGS 84, decimal degrees Road Name: Private Dr Grays Harbor 47.01219 **~** Field Review Latitude: County: Threshold Determination -123.67201 SW 1/4 Section: Longitude: **Expanded Threshold Determination** Section: 27 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,209,234 08W Physical Survey 628,191 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is located beneath private drive Sockeye Sea Run Cutthroat Tributary To: Caldwell Cr 22.0280 for residence @ 630 Wynoochee Valley Rd, Pink Resident Trout approximately 50 meters north of Wynoochee WRIA: 22.0000 Valley Rd. Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.45 meters. **OWNER** Steelhead Dagnen, Scotty J Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/5/2004 Length (m) Survey Type:

PI:

#### CULVERT DESCRIPTION

Field Crew:

Passability (%)

Repair Status

Barrier

Method

Problem

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.32
Rise (m)	0.32
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.07
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Haque/Lutz/Schuetzler

#### Span/Toe Ratio

**Culvert Comments:** 

CHANNEL DESCRIPTION

OHW (m)

Max Depth (m)

Toe Width (m)

Stream enters larger stream about 2 meters

# Wand Wand Wall

**Mason Conservation District** 

Site ID:

PI:

127Y0018

Fish Use:

Yes

#### Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	27

18N

08W

#### POSITIONAL DATA

WGS 84, decimal degrees

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

#### EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Township:

Range:

Stream:	unnamed
Tributary To:	Caldwell Cr 22.0280
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

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

#### Site Comments:

#### SPECIES POTENTIAL

DI LOILO I OTLIVITAL	
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### OWNER

Name:	Dagnen, Scotty J		
Type:	Private		

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

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

#### PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.67		
Span/Toe Ratio	1.69		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	1.13
Rise (m)	0.99
Length (m)	3.94
Slope (%)	-3.60
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

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



**Mason Conservation District** 

Site ID:	127Y
Cito ib.	1211

PI:

**70019** Fish U

Fish Use: No

Barrier:

CIT	F	n	FS	CR	IPT	IO	N
oi i		u	<b>⊑</b> 3	$c_{\kappa}$		ıv	N

GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	Private Dr	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.01372	<b>✓</b>	Field Review		
1/4 Section:	SW	Longitude:	-123.67547	Threshold Determination			
Section:	27	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination		
Township:	18N	East:	1,208,394		Downstream Check		
Range:	W80	North:	628,784		Physical Survey		
WATERBODY		Location / Direction	Location / Directions:		SPECIES POTENTIAL		
Stream:	unnamed	Water crossing is loc	ated on northbound private	3FEGIL	Sockeye Sea Run Cutthroat		
Tributary To:	Caldwell Cr 22.0280	drive approximately 0	).6 miles north of		Pink Resident Trout		
WRIA:	22.0000	Wynoochee Valley R	d/Mooney Rd junction.				
Fish Use:	No						
FUP Criteria:	Physical	Site Comments:					
OWNER		OHW < 0.6 meters.			Coho Brown Trout Steelhead		
Name:	Dagnen, Gary						
Туре:	Private						
LEVEL A AN	ALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DES	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN		
Review Date:	5/5/2004	Length (m)		Survey '	Туре:		
Field Crew:	Haque/Lutz/Schuetzler	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawnir	ng (sq m)		
Passability (%)		CHANNEL DESCRI	PTION	Rearing			
Method			TION	rtearing	(34 11)		
Repair Status		Toe Width (m)					

#### **CULVERT DESCRIPTION**

Problem

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.25
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

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



#### **Mason Conservation District**

Site ID:

PI:

127Y0020

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

#### Road Name: Private Dr

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

#### POSITIONAL DATA

WGS 84, decimal degrees

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

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

under yard.

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

Stream flows through private property and

# ✓ Sea Run Cutthroat

✓ Resident Trout Dolly/Bull Trout Brook Trout

Chum	
Chinook	
Coho	

SPECIES POTENTIAL

Pink

Sockeye

Brown	Trout

#### OWNER

Gordon and Donna Maltais Name: Type:

# **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.78
Rise (m)	0.78
Length (m)	13.95
Slope (%)	2.25
Bed Material	No
Outfall Drop (m)	0.14
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

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

#### CHANNEL DESCRIPTION

Toe Width (m)	1.03
Span/Toe Ratio	0.76

#### **Culvert Comments:**

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



#### **Mason Conservation District**

Site ID:

PI:

127Y0021

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

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

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.22252	
Longitude:	-123.59513	
WA state plane south (NAD 27, feet)		
East:	1,231,404	
North:	704.084	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
Schafer Cr 22.0294
22.0000
Yes
Physical

#### **Location / Directions:**

Site Comments:

culvert.

Water crossing is approximately 2.8 miles north of the FS 22/Cougar Smith Rd junction.

Wetland habitat upstream and downstream of

#### SPECIES POTENTIAL

LOILOTOTEITIAL			
	Sockeye	Sea Run Cutthroa	
	Pink	✓ Resident Trout	
	Chum	Dolly/Bull Trout	
	Chinook	Brook Trout	
<b>~</b>	Coho	Brown Trout	
	Steelhead		

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.60		

0.32

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.19
Rise (m)	0.47
Length (m)	15.63
Slope (%)	0.62
Bed Material	No
Outfall Drop (m)	0.12
WDIC (m)	0.01
Apron	No
Fill Depth (m)	3.00
Tidegate	No

## Culvert Comments:

Span/Toe Ratio

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



**Mason Conservation District** 

Site ID: 127Y0022 Fish Use: No PI: Barrier:

#### SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged FS 22 WGS 84, decimal degrees Road Name: Grays Harbor 47.22523 Field Review County: Latitude: Threshold Determination -123.60316 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 7 WA state plane south (NAD 27, feet) Downstream Check 20N Township: 1,229,449 07W Physical Survey Range: 705,149 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.1 miles north Sockeye Sea Run Cutthroat of FS 22/7400 junction. Tributary To: Schafer Cr 22.0194 Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Perennial vegetation throughout downstream OWNER Steelhead channel. US Forest Service Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/10/2004 Length (m) Survey Type: Haque/Lutz Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method

#### **CULVERT DESCRIPTION**

Repair Status

Problem

1.1
RND
CAL
0.58
0.57
No
0.05
0.01
No
1.00
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0023

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION GENERAL LOCATION

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

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

of the FS 22/7400 junction.

WGS 84, decimal degrees Latitude: 47.22761 -123.60399 Longitude: WA state plane south (NAD 27, feet)

1,229,277 706,026 North:

Water crossing is approximately 0.2 miles north

# S

PECIES POTENTIAL			
	Sockeye	✓ Sea Run Cutthroa	
	Pink	✓ Resident Trout	
	Chum	Dolly/Bull Trout	
	Chinook	Brook Trout	
<b>~</b>	Coho	Brown Trout	
	Steelhead		

#### WATERBODY

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

OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.30
OHW (m)	1.90
Max Depth (m)	0.30
CHANNEL DESCRIPTION	

Toe Width (m)	1.55
Span/Toe Ratio	0.48

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.75
Rise (m)	0.74
Length (m)	15.67
Slope (%)	4.30
Bed Material	No
Outfall Drop (m)	0.06
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Outfall onto hard clay substrate, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0024

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

WGS 84, decimal degrees

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Water crossing is approximately 0.5 miles north of FS 22/7400 junction.

Site	Comments:

SPECIES POTENTIA	AL
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
✓ Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.35
0 ( )	
OHW (m)	1.85
Max Depth (m)	0.75
CHANNEL DESCRIPTION	
Toe Width (m)	1.51

0.40

POTENTIAL HABITAT	GAIN
Survey Type:	

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.59
Length (m)	18.34
Slope (%)	1.25
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Plunge pool formed in hard clay substrate.



**Mason Conservation District** 

Site ID:

PI:

127Y0025

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION **GENERAL LOCATION**

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

07W

# **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.23164 -123.60622 Longitude: WA state plane south (NAD 27, feet)

1,228,781 707,516 North:

**EVALUATION LEVEL COMPLETED** 

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

#### WATERBODY

Range:

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

#### Location / Directions:

Water crossing is approximately 0.6 miles north of the FS 22/7400 junction.

Site Comments:

Physical Survey

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Stoolboad	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	5.28
OHW (m)	5.76
Max Depth (m)	0.71
CHANNEL DESCRIPTION	

Toe Width (m)	1.49
Span/Toe Ratio	0.41

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
21.94
2.00
No
0.00
0.09
No
2.00
No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:

127Y0026

Fish Use:

Yes

PI:

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.7 miles north of FS 22/7400 junction.

PECIES PUTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Ctoolbood	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.54
OHW (m)	0.88
Max Depth (m)	0.13
CHANNEL DESCRIPTION	
Toe Width (m)	0.62

0.98

## **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	21.33
Slope (%)	2.30
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

No clearly defined channel downstream of



#### **Mason Conservation District**

Site ID:

PI:

127Y0027

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

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

unnamed

Schafer Cr 22.0294

22.0000

Mapped

#### **POSITIONAL DATA**

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

#### 709,752 North:

**Location / Directions:** 

Water crossing is approximately 0.25 miles north of FS 22/7602 junction.  $\label{eq:constraint} % \begin{subarray}{ll} \end{subarray} % \begin{s$ 

#### Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES P	OTENTIAL	
☐ So	ckeye	✓ Sea Run Cutthroa
Pir	nk	Resident Trout
Ch	ium	Dolly/Bull Trout
Ch	inook	Brook Trout
<b>✓</b> Co	ho	Brown Trout
✓ Ste	eelhead	

# OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	5.64	
OHW (m)	5.92	
Max Depth (m)	1.01	
CHANNEL DESCRIPTION		

Toe Width (m)	1.62
Span/Toe Ratio	0.65

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.06
Rise (m)	1.07
Length (m)	12.39
Slope (%)	1.20
Bed Material	No
Outfall Drop (m)	0.68
WDIC (m)	0.06
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0028

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

GENERAL LOCATION		
Road Name:	FS 22	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	1	
Township:	20N	
Range:	W80	

unnamed

Schafer Cr 22.0294

22.0000

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.24029

Longitude: -123.61093

WA state plane south (NAD 27, feet)

East: 1,227,738

## Location / Directions:

710,713

Water crossing is approximately 0.45 miles north of FS 22/7602 junction.

#### Site Comments:

North:

#### **EVALUATION LEVEL COMPLETED**

L		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### SPECIES POTENTIAL

PECIES POTENTIAL		
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

Review Date:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

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

0.90

0.51

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.44
Length (m)	12.03
Slope (%)	-0.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.60
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

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



#### **Mason Conservation District**

Site ID:

PI:

127Y0029

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 22	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	1	
Township:	20N	
Range:	W80	

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
Schafer Cr 22.0394
22.0000
Yes
Mapped

#### Location / Directions:

Site Comments:

Water crossing is approximately 0.55 miles north of FS 22/7602 junction.  $\label{eq:constraint} % \begin{subarray}{ll} \end{subarray} % \begin{s$ 

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
✓ Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	5.79	
OHW (m)	3.26	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		
Toe Width (m)	1.56	

0.48

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.77
Length (m)	11.14
Slope (%)	3.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.00
Tidegate	No

# **Culvert Comments:**

Span/Toe Ratio

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



**Mason Conservation District** 

Site ID:

PI:

127Y0030

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

GENERAL LOCATION				
Road Name:	FS 22			
County:	Grays Harbor			
1/4 Section:	SE			
Section:	1			
Township:	20N			
Range:	W80			

unnamed

Schafer Cr 22.0294

22.0299

Mapped

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.24656

 Longitude:
 -123.61215

 WA state plane south (NAD 27, feet)

East: 1,227,524 North: 713,011

#### Location / Directions:

Water crossing is approximately 0.9 miles north of FS 22/7602-Tie Line junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

#### SPECIES POTENTIAL

ECIE	SPOTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Staalhaad	

# OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name: en Diamond Resource Comp Type: Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	3.75
Span/Toe Ratio	0.79

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
SQSH
CST
2.97
2.10
38.98
0.61
Yes
0.00
0.34
No
8.50
No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:	127Y0031	Fi
PI:		Ва

ish Use: No

Barrier:

SI.	TF	וח	=0	CR	IPT	101
JI.	16	u	=3	ᅜ	IP I	IUI

GENERAL LOC	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	FS 22	WGS 84, decimal deg	rees		Report Logged
County:	Grays Harbor	Latitude:	47.25575	<b>✓</b>	Field Review
1/4 Section:	NE	Longitude:	-123.61130		Threshold Determination
Section:	1	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination
Township:	20N	East:	1,227,868		Downstream Check
Range:	W80	North:	716,352		Physical Survey
WATERBODY		Location / Directions	:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is app	roximately 1.55 miles	3FEGIL	Sockeye Sea Run Cutthroat
Tributary To:	Schafer Cr 22.0294	north of FS 22/7602 ju			· <u>=</u>
WRIA:	22.0000				
Fish Use:	No				Chum Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		OHW = 0.51 meters.			Coho Brown Trout Steelhead
Name:	en Diamond Resource Comp				
Type:	Private				

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	5/10/2004	Length (m)	Survey Type:
Field Crew:	Haque/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

#### **CULVERT DESCRIPTION**

COLVERT DESCRIPTION		
Sequencer:	1.1	
Shape	RND	
Material	CST	
Span (m)	0.45	
Rise (m)	0.46	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.16	
WDIC (m)	0.02	
Apron	No	
Fill Depth (m)	1.00	
Tidegate	No	

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:

PI:

127Y0032

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

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

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Water crossing is approximately 1.75 miles north of FS 22/7602 junction.

Site	Comments:

#### SPECIES POTENTIAI

PECIE	3 FUI EN HAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>✓</b>	Steelhead	

### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	5.43	

#### POTENTIAL HABITAT GAIN

#### **CULVERT DESCRIPTION**

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

## Culvert Comments:

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



**Mason Conservation District** 

Site ID:

127Y0033

Fish Use:

Yes Yes

PI:

47.27012

Barrier:

SITE DESCRIPTION

#### GENERAL LOCATION

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

#### **POSITIONAL DATA**

WGS 84, decimal de	gree
Latitude:	

Longituae:	-123.61927
WA state plane sout	h (NAD 27, feet)
_	4 000 000

# East: 1,226,098 North: 721,667

# EVALUATION LEVEL COMPLETED Report Logged

L		Report Logged
[	<b>/</b>	Field Review
[		Threshold Determination
		Expanded Threshold Determination
Γ	$\neg$	Downstream Check

#### WATERBODY

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

#### **Location / Directions:**

Water crossing is approximately 0.75 miles south of FS 22/7380 junction.

#### SPECIES POTENTIAI

Physical Survey

PECIES	POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
F	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>V</b>	Coho	Brown Trout
<b>V</b> 5	Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	16.35	
OHW (m)	12.38	
Max Depth (m)	1.28	
CHANNEL DESCRIPTION		

4.76

0.33

# POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.55
1.73
55.06
1.90
No
0.44
0.12
No
5.00
No

# Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Culvert is beveled.



**Mason Conservation District** 

Site ID:

PI:

47.27765 -123.62908 127Y0034

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

#### Yes Barrier:

## SITE DESCRIPTION

#### **GENERAL LOCATION**

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

#### POSITIONAL DATA

Longitude:

WGS 84, decimal de	egrees
Latitude:	

Location / Directions:

Site Comments:

WA state plane south (NAD 27, feet)

East: 1,223,773 724,509 North:

Water crossing is approximately 50 meters north of FS 22/7380 junction.

## S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### WATERBODY

Neil Cr
Schaffer Cr 22.0294
22.0297
Yes
Mapped

## OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	3.68
Span/Toe Ratio	0.70

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.2
RND
CST
1.22
1.20
14.55
0.69
No
0.17
0.03
No
1.00
No

#### **Culvert Comments:**

Pipe 1.2 is located on right bank.



## **Mason Conservation District**

# Site ID:

PI:

## 127Y0034

## Fish Use:

Yes

Barrier: Yes

## **CULVERT DESCRIPTION**

2.2
RND
CST
1.36
1.36
14.20
-0.80
No
0.32
0.10
No
1.00
No

## **Culvert Comments:**

Pipe 2.2 is located on left bank.



#### **WRIA 22 Fish Passage Inventory** Site ID: 127Y0035 Fish Use: Unk PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged FS 22 WGS 84, decimal degrees Road Name: Grays Harbor 47.28773 **~** Field Review Latitude: County: Threshold Determination -123.62538 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 19 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,224,836 07W Physical Survey Range: 728,146 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.55 miles ✓ Sea Run Cutthroat Sockeye Tributary To: Wynoochee R 22.0311 north of FS 22/7850 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: Unk **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout **V** Coho Failing puncheon connects two wetlands. **OWNER** Steelhead en Diamond Resource Comp Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: Length (m) Survey Type: Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status Span/Toe Ratio Problem **CULVERT DESCRIPTION Culvert Comments:** Sequencer: Shape Material Span (m) Rise (m) Length (m) Slope (%)

Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

## **Mason Conservation District**

Site ID:

PI:

127Y0036

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

## GENERAL LOCATION

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

## **POSITIONAL DATA**

 WGS 84, decimal degrees

 Latitude:
 47.29121

 Longitude:
 -123.62572

 WA state plane south (NAD 27, feet)

East: 1,224,801 North: 729,418

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

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

## **Location / Directions:**

Site Comments:

No defined stream channel.

Water crossing is approximately 0.8 miles north of FS 22/7850 junction.

## SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Stoolboad	

## OWNER

Name:	en Diamond Resource Comp
Type:	Private

## **LEVEL A ANALYSIS**

## SUMMARY INFORMATION

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

## PLUNGE POOL DESCRIPTION

Length (m)	6.50					
OHW (m)	3.50					
Max Depth (m)	0.70					
CHANNEL DESCRIPTION						
Toe Width (m)	0.75					

1.62

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

POTENTIAL HABITAT GAIN

Survey Type:

## **CULVERT DESCRIPTION**

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

## **Culvert Comments:**

Span/Toe Ratio

Pipe 1.2 is on left bank.



Site ID:

PI:

127Y0036

Fish Use:

Yes

Barrier:

**CULVERT DESCRIPTION** 

**Mason Conservation District** 

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.61
Length (m)	14.04
Slope (%)	4.40
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.22
Apron	No
Fill Depth (m)	1.00
Tidegate	No

## **Culvert Comments:**

Culvert 2.2 is on right bank.



## **Mason Conservation District**

Site ID:

127Y0037

Fish Use: Barrier: Yes Unk

**District** PI:

SI	T	Ε	D	E	S	CI	₹I	P	TI	О	N

# GENERAL LOCATION Road Name: 7390 Grave Harbor

 County:
 Grays Harbor

 1/4 Section:
 NE

 Section:
 25

 Township:
 21N

# Range: 08W

## WATERBODY

 Stream:
 unnamed

 Tributary To:
 Wynoochee R 22.0311

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

## OWNER

Name: en Diamond Resource Comp Type: Private

## POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.28036

Longitude: -123.63747

WA state plane south (NAD 27, feet)

East: 1,221,732

725,579

## Location / Directions:

North:

Water crossing is approximately 0.3 miles northwest of 7300/7390 junction.

## Site Comments:

#### **EVALUATION LEVEL COMPLETED**

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

## Physical Survey

SPECIES POTENTIAL		
	Sockeye	

╛	Sockeye	
	Pink	

Chum Chinook

	Chinook
<b>V</b>	Coho

Steell	nead

_			
/	Sea	Run	Cutthroat

Resident Trout

Dolly/Bull Trout

Brook Trout
Brown Trout

## alhead

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

Review Date:	5/10/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)
OHW (m)
Max Depth (m)
CHANNEL DESCRIPTION

Toe Width (m)

Span/Toe Ratio

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.88
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.27
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

## **Culvert Comments:**

Unable to complete level A.



**Mason Conservation District** 

Site ID:

PI:

127Y0038

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

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

## **POSITIONAL DATA**

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

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

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

## Location / Directions:

Site Comments:

Water crossing is approximately 0.2 miles south of FS 22/7855 junction.  $\label{eq:proposition} % \begin{subarray}{ll} \end{subarray} % \begin{s$ 

## SPECIES POTENTIAL

,, LOIL	OICITIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	en Diamond Resource Com
Type:	Private

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)	4.00	
	П	
OHW (m)	2.30	
Max Depth (m)	0.35	
CHANNEL DESCRIPTION		
Toe Width (m)	2.05	

0.45

POTENTIAL HABITAT GAIN	

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	12.45
Slope (%)	4.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

## **Culvert Comments:**

Span/Toe Ratio

Stream system dry at time of sample.



## **Mason Conservation District**

Site ID:

PI:

127Y0039

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

#### **GENERAL LOCATION** FS 22 Road Name: County: Grays Harbor NW1/4 Section: 19 Section:

21N Township: 07W Range:

## WATERBODY

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

## **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.29566 -123.62662 Longitude: WA state plane south (NAD 27, feet) 1,224,644

731,050

## Location / Directions:

North:

Water crossing is approximately 50 meters north of FS 22/7855 junction.

Site Comments:

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

Physical Survey

## S

SPECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	0.46

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
0.60
0.60
14.60
2.10
No
0.86
0.00
No
1.00
No

## **Culvert Comments:**

Stream channel upstream appears to have been excavated.



## **Mason Conservation District**

Site ID:

PI:

127Y0040

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

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

## **POSITIONAL DATA**

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

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

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

## **Location / Directions:**

Site Comments:

Water crossing is approximately 0.1 miles north of FS 22/7855 junction.  $\label{eq:constraint} % \begin{subarray}{ll} \end{subarray} % \begin{su$ 

PECIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	en Diamond Resource Com
Type:	Private

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)	6.35
OHW (m)	4.30
Max Depth (m)	1.05
CHANNEL DESCRIPTION	

2.06

0.58

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.20
Length (m)	17.51
Slope (%)	2.80
Bed Material	No
Outfall Drop (m)	0.54
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No
Apron Fill Depth (m)	No 2.00

## **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



## **Mason Conservation District**

Site ID:

PI:

127Y0041

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

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

## **POSITIONAL DATA**

Site Comments:

WGS 84, decimal degrees

Latitude:	47.32986	
Longitude:	-123.62919	
WA state plane south (NAD 27, feet)		
East:	1,224,501	
North:	743,539	
Location / Directions:		

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

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Staalhaad	

## WATERBODY

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

## OWNER

Name:	en Diamond Resource Com
Type:	Private

## **LEVEL A ANALYSIS**

## SUMMARY INFORMATION

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

## PLUNGE POOL DESCRIPTION

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

## **CHANNEL DESCRIPTION**

Toe Width (m)	1.25
Span/Toe Ratio	0.99

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
1.24
1.17
12.62
2.20
No
0.20
0.06
No
3.00
No

## **Culvert Comments:**

Additional culvert 3 meters downstream under FS 22.



## **Mason Conservation District**

Site ID:

PI:

47.33048

743,770

127Y0042

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

# **GENERAL LOCATION**

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

## **POSITIONAL DATA**

North:

WGS 84, decimal de	gree
Latitude:	

**Location / Directions:** 

Site Comments:

Longitude:	-123.62960	
WA state plane south (NAD 27, feet)		
East:	1,224,409	

Water crossing is approximately 1.0 miles north of the FS 22/O-600 junction.

## S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## WATERBODY

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

## OWNER

Name:	US Forest Service
Туре:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## **CHANNEL DESCRIPTION**

Toe Width (m)	1.00
Span/Toe Ratio	1.30

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.30
Rise (m)	1.30
Length (m)	36.16
Slope (%)	2.70
Bed Material	No
Outfall Drop (m)	2.60
WDIC (m)	0.10
Apron	No
Fill Depth (m)	3.50
Tidegate	No

## **Culvert Comments:**

Culvert is beveled.



## **Mason Conservation District**

Site ID:

PI:

127Y0043

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Barrier:

Yes

Yes

## SITE DESCRIPTION

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

## **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

of the 22/2200.100 junction.

WGS 84, decimal degrees	
Latitude:	47.33605
Longitude:	-123.63222

WA state plane south (NAD 27, feet) 1,223,839 745,823 North:

Water crossing is approximately 1.2 miles south

## s

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## WATERBODY

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

## OWNER

Name:	US Forest Service
Туре:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	1.06

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.06
Rise (m)	1.06
Length (m)	14.63
Slope (%)	8.40
Bed Material	No
Outfall Drop (m)	2.90
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

## **Culvert Comments:**



## **Mason Conservation District**

Site ID:

PI:

127Y0044

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

## **GENERAL LOCATION**

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

## **POSITIONAL DATA**

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

## **EVALUATION LEVEL COMPLETED**

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

## WATERBODY

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

## **Location / Directions:**

Site Comments:

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

Series of cascades downstream of culvert.

## SPECIES POTENTIAL

JI LUIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)	2.76	
OHW (m)	1.40	
Max Depth (m)	0.25	
CHANNEL DESCRIPTION		

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
0.65
0.65
15.59
9.90
No
1.05
0.05
No
1.00
No

Toe Width (m)	0.95
Span/Toe Ratio	0.68

## **Culvert Comments:**

Downstream side of road failing.



## **Mason Conservation District**

Site ID:

PI:

127Y0045

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

## **GENERAL LOCATION** FS 22 Road Name:

Grays Harbor County: NW1/4 Section: Section: 6 21N Township:

07W

unnamed

Wynoochee R 22.0311

22.0000

Mapped

US Forest Service

Federal

## **POSITIONAL DATA**

WGS 84, decimal degrees

47.34052 Latitude: -123.63181 Longitude: WA state plane south (NAD 27, feet) 1,224,006

747,448

## **Location / Directions:**

North:

Water crossing is approximately 0.9 miles south of the 22/2200.100 junction.

## Site Comments:

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

PECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## Type:

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

FUP Criteria:

WATERBODY

Tributary To:

## **LEVEL A ANALYSIS SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.70	
Span/Toe Ratio	1.29	

## **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.87
Length (m)	24.64
Slope (%)	7.70
Bed Material	No
Outfall Drop (m)	1.25
WDIC (m)	0.05
Apron	No
Fill Depth (m)	4.00
Tidegate	No

## **Culvert Comments:**

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



## **Mason Conservation District**

Site ID:

PI:

127Y0046

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION		
Road Name:	FS 22	

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

unnamed

Wynoochee R 22.0311

22.0000

Yes

Physical

**US Forest Service** 

Federal

## POSITIONAL DATA

WGS 84, decimal degrees

47.34840 Latitude: -123.62563 Longitude: WA state plane south (NAD 27, feet) 1,225,651

750,259

North: Location / Directions:

Water crossing is approximately 0.25 miles south of the 22/2200.100 junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

SPEC	ES POTENTIAL
	Sockeye

	Sockeye
	Pink
$\overline{}$	Chum

✓ Sea Run Cutthroat

Resident Trout Dolly/Bull Trout

**Brook Trout** Brown Trout

Chinook Coho

## Steelhead

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	1.15
Span/Toe Ratio	0.53

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	8.91
Slope (%)	4.10
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

## **Culvert Comments:**

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



## **Mason Conservation District**

Site ID:

PI:

127Y0047

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

No

Barrier: Yes

## SITE DESCRIPTION

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

## **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

culvert.

Longitude:

WGS 84, decimal degrees	
Latitude:	47.35569
Longitude:	-123.61875

WA state plane south (NAD 27, feet)

1,227,461 752,849 North:

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

Series of natural point barriers downstream of

## SP

ECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout

## WATERBODY

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

## **OWNER**

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	7.05
OHW (m)	19.00
Max Depth (m)	0.55
CHANNEL DESCRIPTION	

Toe Width (m)	4.00
Span/Toe Ratio	0.78

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	3.10
Rise (m)	3.94
Length (m)	108.72
Slope (%)	2.50
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.22
Apron	DS
Fill Depth (m)	20.00
Tidegate	No

## **Culvert Comments:**

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



## **Mason Conservation District**

Site ID:

PI:

127Y0048

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

# **GENERAL LOCATION**

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

## **POSITIONAL DATA**

Location / Directions:

Site Comments:

OHW = 0.70 meters.

north of the FS 22/600 junction.

WGS 84, decimal degrees 47.32317 Latitude: -123.62709 Longitude:

WA state plane south (NAD 27, feet) East: 1,224,924 741,081 North:

Water crossing is approximately 0.85 miles

## S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## WATERBODY

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

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## **CHANNEL DESCRIPTION**

Toe Width (m)	1.05
Span/Toe Ratio	0.70

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	24.48
Slope (%)	2.90
Bed Material	No
Outfall Drop (m)	0.64
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

## **Culvert Comments:**

Additional RND, PCC culvert 20 meters



## **Mason Conservation District**

Site ID:

PI:

127Y0049

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

**GENERAL LOCATION** 

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

07W

## **POSITIONAL DATA**

WGS 84, decimal degrees

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

**EVALUATION LEVEL COMPLETED** 

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Range:

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

## Location / Directions:

Site Comments:

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

Stream system dry at time of sample.

## SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	8.70
Max Depth (m)	1.10
CHANNEL DESCRIPTION	

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

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

Toe Width (m) 8.30 Span/Toe Ratio 0.30

## **Culvert Comments:**

Pipe 1.2 is on right bank.



## **Mason Conservation District**

## Site ID:

PI:

## 127Y0049

Fish Use:

Yes

Barrier: Yes

## **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	1.22
Rise (m)	1.22
Length (m)	54.52
Slope (%)	1.70
Bed Material	No
Outfall Drop (m)	1.17
WDIC (m)	0.00
Apron	No
Fill Depth (m)	11.00
Tidegate	No

## **Culvert Comments:**

Pipe 2.2 is on left bank.



## **Mason Conservation District**

## Site ID:

PI:

127Y0050

Fish Use:

Yes

## Barrier: Yes

## SITE DESCRIPTION

## **GENERAL LOCATION**

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

## **POSITIONAL DATA**

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

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

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

## Location / Directions:

Site Comments:

meters.

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

Culvert runs under decommissioned road

immediately east of FS 22. OHW = 0.32

## SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	2.00
OTTT (III)	
Max Depth (m)	0.50
CHANNEL DESCRIPTION	
Toe Width (m)	0.70

0.69

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.2
RND
PCC
0.48
0.48
19.59
1.40
No
0.00
0.00
No
0.80
No

# Culvert Comments:

Span/Toe Ratio

Pipe 1.2 is on right bank of system.



## **Mason Conservation District**

## Site ID:

PI:

## 127Y0050

Fish Use:

Yes

Barrier: Yes

## **CULVERT DESCRIPTION**

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

## **Culvert Comments:**

Pipe 2.2 is on left bank.



## **Mason Conservation District**

Site ID:

PI:

127Y0051

Fish Use: Barrier:

se: Yes

Yes

## SITE DESCRIPTION

# GENERAL LOCATION Road Name: FS 22 County: Grays Harbor 1/4 Section: NE Section: 31 Township: 22N

07W

## **POSITIONAL DATA**

WGS 84, decimal degrees

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

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Range:

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

## **Location / Directions:**

Site Comments:

Water crossing is approximately 0.5 miles north of the 22/2200.100 junction.

# SPECIES POTENTIAL

		-
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Staalhaad	

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)	4.60
OHW (m)	3.00
Max Depth (m)	0.35
CHANNEL DESCRIPTION	

2.59

0.58

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.51
Rise (m)	1.51
Length (m)	81.08
Slope (%)	8.80
Bed Material	No
Outfall Drop (m)	0.72
WDIC (m)	0.03
Apron	No
Fill Depth (m)	15.00
Tidegate	No

# Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Hardpan substrate at downstream end acts as natural apron.



**Mason Conservation District** 

Site ID: 127Y0052 Fish Use: No PI: Barrier:

## SITE DESCRIPTION

#### **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged FS 22 WGS 84, decimal degrees Road Name: Grays Harbor 47.36128 Field Review County: Latitude: Threshold Determination -123.61426 SE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 30 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,228,652 07W Physical Survey Range: 754,844 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.8 miles north Sockeye Sea Run Cutthroat Tributary To: Anderson Cr 22.0309 of the 22/2200.100 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.41 meters. Perennial vegetation OWNER growing throughout channel. Steelhead US Forest Service Name: Federal Type:

## **LEVEL A ANALYSIS**

SUMMARY INFOR	MATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	5/12/2004	Length (m)	Survey Type:	
Field Crew:	Haque/Lutz	OHW (m)	Length (m):	
Barrier		Max Depth (m)	Spawning (sq m)	
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)	
Method			3(1)	
Repair Status		Toe Width (m)		
Problem		Span/Toe Ratio		

## **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
Yes
0.00
No
0.50
No

## **Culvert Comments:**



## **Mason Conservation District**

Site ID:

PI:

127Y0053

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW
Section:	29
Township:	22N

07W

## **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.36557	
Longitude:	-123.60786	
WA state plane south (NAD 27, feet)		
East:	1,230,299	
No wth.	756 344	

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Range:

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

## **Location / Directions:**

Site Comments:

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

20 meter angled extension on downstream end

follows grade of fill, at approximately 70% slope.

## SPECIES POTENTIAL

" LCIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## **OWNER**

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

Review Date:	5/12/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

## PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.92	
Span/Toe Ratio	0.45	

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.87
Rise (m)	0.88
Length (m)	35.11
Slope (%)	16.92
Bed Material	No
Outfall Drop (m)	0.86
WDIC (m)	0.00
Apron	No
Fill Depth (m)	9.00
Tidegate	No

## **Culvert Comments:**

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



**Mason Conservation District** 

Site ID:

PI:

127Y0054

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

## **GENERAL LOCATION** FS 22 Road Name:

Grays Harbor County: NW1/4 Section: Section: 29 22N Township:

07W

## **POSITIONAL DATA**

WGS 84, decimal degrees

47.36832 Latitude: -123.60352 Longitude: WA state plane south (NAD 27, feet)

1,231,413 757,306 North:

**EVALUATION LEVEL COMPLETED** 

Report Logged Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

## WATERBODY

Range:

OWNER

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

#### Location / Directions:

Water crossing is approximately 0.4 miles south of the FS 22/2270 junction.

Site Comments:

## SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
٦	Chum	Dolly/Bull Trout

✓ Resident Trout Dolly/Bull Trout **Brook Trout** 

Brown Trout

Chinook Coho

Steelhead

US Forest Service Name: Federal Type:

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

## **CHANNEL DESCRIPTION**

Toe Width (m)	1.19
Span/Toe Ratio	0.99

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.18
Rise (m)	1.18
Length (m)	47.25
Slope (%)	5.40
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.00
Apron	No
Fill Depth (m)	7.50
Tidegate	No

## **Culvert Comments:**



## **Mason Conservation District**

## Site ID:

PI:

127Y0055

Fish Use:

Unk

## Barrier: Yes

## SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	SE
Section:	20

 Section:
 20

 Township:
 22N

 Range:
 07W

## WATERBODY

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

## **OWNER**

Name:	US Forest Service
Type:	Federal

## **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.37751

 Longitude:
 -123.59266

 WA state plane south (NAD 27, feet)

 East:
 1,234,234

 North:
 760,550

#### Location / Directions:

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

## Site Comments:

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

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

## SPECIES POTENTIAL

LOIL	OICILITIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

Length (m)	2.80
OHW (m)	1.60
Max Depth (m)	0.40

## CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

Survey Type:	
ength (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)	19.03
Slope (%)	1.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

## **Culvert Comments:**

Wetland vegetation downstream of culvert. Poorly defined stream channel.



## **Mason Conservation District**

Site ID:

PI:

127Y0056

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

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

## **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.38149

 Longitude:
 -123.59062

 WA state plane south (NAD 27, feet)

East: 1,234,796

North: 761,981

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

## WATERBODY

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

## **Location / Directions:**

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

Site Comments:

## SPECIES POTENTIAL

LOIL	.51 OILNIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	0.82
Span/Toe Ratio	1.79

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

## **CULVERT DESCRIPTION**

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

## **Culvert Comments:**

Hardpan substrate at downstream end acts as natural apron.



## **Mason Conservation District**

Site ID:

PI:

127Y0057

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2270	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	16	
Township:	22N	

07W

unnamed

Wynoochee R 22.0311

22.0000

Mapped

## **POSITIONAL DATA**

WGS 84, decimal de	grees
Latitude:	

Latitude:	47.39340	
Longitude: -123.58347		
WA state plane south (NAD 27 feet)		

East: 1,236,736

# North: Location / Directions:

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

766,250

Site Comments:

## **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review

Expanded	Threshold	Determination

Downstream Check
Physical Survey

#### SPECIES POTENTIAL

PECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Range:

Stream:

WRIA:

Fish Use:

WATERBODY

Tributary To:

FUP Criteria:

Name:	US Forest Service
Туре:	Federal

## **LEVEL A ANALYSIS**

## SUMMARY INFORMATION

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	2.32
Span/Toe Ratio	0.81

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

	Г
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.88
Rise (m)	1.75
Length (m)	34.23
Slope (%)	28.35
Bed Material	No
Outfall Drop (m)	3.30
WDIC (m)	0.04
Apron	DS
Fill Depth (m)	11.50
Tidegate	No

## **Culvert Comments:**

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



## **Mason Conservation District**

Site ID:

127Y0058

Fish Use:

Barrier:

No Unk

## PI:

-123.56496

## SITE DESCRIPTION

## **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name: Type:

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

unnamed

Wynoochee R 22.0311

22.0000

Physical

**US Forest Service** 

## **POSITIONAL DATA** WCC 04 desimal d

Longitude:

WGS 84, decimal de	egrees
Latitude:	47.41871

WA state plane south (NAD 27, feet)

1,241,675 775,299 North:

## **Location / Directions:**

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

## Site Comments:

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

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

CCIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## **LEVEL A ANALYSIS SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	2.50
Span/Toe Ratio	0.80

## **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

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

## **Culvert Comments:**

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



## **Mason Conservation District**

Site ID:

PI:

-123.56351

127Y0059

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

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

## **POSITIONAL DATA**

Longitude:

WGS 84, decimal degrees 47.42173 Latitude:

WA state plane south (NAD 27, feet)

1,242,077 776,386 North:

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

## WATERBODY

OWNER

Name:

Type:

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

US Forest Service

Federal

# **Location / Directions:**

Water crossing is approximately 1.15 miles north of the FS 2270/2270.16 junction.

## Site Comments:

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		

Toe Width (m)	1.39
Span/Toe Ratio	0.90

## POTENTIAL HABITAT GAIN

## **CULVERT DESCRIPTION**

1.1
RND
CST
1.25
0.92
29.56
10.90
No
0.00
0.00
No
7.50
No

## **Culvert Comments:**

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



**Mason Conservation District** 

Site ID:	127Y0060	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2270 Report Logged WGS 84, decimal degrees Road Name: Field Review Grays Harbor 47.42279 County: Latitude: -123.56270 Threshold Determination SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 3 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,242,293 Physical Survey 07W Range: 776,765 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 1.2 miles north Sockeye Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 of the FS 2270/2270.16 junction. Pink Resident Trout WRIA: 22.0323 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Gradient barrier. OWNER Steelhead US Forest Service Name: Federal Type: **LEVEL A ANALYSIS**

SUMMARY INFOR	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAI
Review Date:	5/12/2004	Length (m)	Survey Type:
Field Crew:	Haque/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			
Repair Status	NG	Toe Width (m)	
Problem		Span/Toe Ratio	

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	2.26
Rise (m)	1.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.05
Apron	No
Fill Depth (m)	
Tidegate	No

## **Culvert Comments:**

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



**Mason Conservation District** 

Site ID:	127Y0061	Fish Use:	No
PI:		Barrier:	

## SITE DESCRIPTION

OITE DEGCIN	11014				
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.42543	<b>✓</b>	Field Review
1/4 Section:	NW	Longitude:	-123.56273		Threshold Determination
Section:	3	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination
Township:	22N	East:	1,242,322		Downstream Check
Range:	07W	North:	777,727		Physical Survey
WATERBODY		Location / Directions	s:	SPECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is app	proximately 1.4 miles north		Sockeye Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of the FS 2270/2270.16 junction.			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No	Site Comments:			Chinook Brook Trout
FUP Criteria:	Physical				Coho Brown Trout
OWNER		OHW = 0.56 meters.			Steelhead
Name:	US Forest Service				
Type:	Federal				
LEVEL A AN	ALYSIS				
SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN	
Review Date:	5/12/2004	Length (m)		Survey	Туре:
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		CHANNEL DESCRIP	TION	Rearing	
Method		-	TION	rtoaring	7 (~4)
Renair Status		Toe Width (m)			

## **CULVERT DESCRIPTION**

Problem

1.1
RND
CST
0.72
0.72
Yes
0.00
0.00
No
1.50
No

## **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

47.43301

127Y0062

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

## **GENERAL LOCATION** Road Name:

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

unnamed

Wynoochee R 22.0311

22.0000

Yes

Mapped

**US Forest Service** 

Federal

## **POSITIONAL DATA**

WGS 84, decimal degrees Latitude:

-123.56145 Longitude: WA state plane south (NAD 27, feet)

1,242,747 780,478

## **Location / Directions:**

Water crossing is approximately 0.1 miles north of the 2270/2372 junction.

Site Comments:

North:

## **EVALUATION LEVEL COMPLETED**

Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

## SPECIES POTENTIAL

Sockeye

Pink Chum Resident Trout Dolly/Bull Trout

Chinook

**Brook Trout** Brown Trout

✓ Sea Run Cutthroat

Coho Steelhead

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	4.95
Span/Toe Ratio	0.62

## **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	3.07
Rise (m)	2.04
Length (m)	33.59
Slope (%)	5.70
Bed Material	No
Outfall Drop (m)	0.66
WDIC (m)	0.00
Apron	BE
Fill Depth (m)	4.00
Tidegate	No

## **Culvert Comments:**



## **Mason Conservation District**

Site ID:

PI:

127Y0063

Fish Use:

Yes

Yes Barrier:

## SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2270	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	34	
Township:	23N	

07W

## **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.43488 -123.56097 Longitude: WA state plane south (NAD 27, feet)

1,242,893 781,154 North:

<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

**EVALUATION LEVEL COMPLETED** Report Logged

## WATERBODY

Range:

unnamed
Wynoochee R 22.0311
22.0000
Yes
Physical

## Location / Directions:

Water crossing is approximately 0.25 miles north of the FS 2270/2372 junction.  $\label{eq:constraint}$ 

Site Comments:

PECIES POTENTIAL		
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>✓</b>	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

## PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	1.90
Span/Toe Ratio	0.77

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.46
Rise (m)	0.90
Length (m)	31.60
Slope (%)	2.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	DS
Fill Depth (m)	1.00
Tidegate	No

## **Culvert Comments:**



## **Mason Conservation District**

Site ID:

PI:

127Y0064

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 2270
County:	Grays Harbor
1/4 Section:	NE
Section:	34

23N Township: 07W Range:

## WATERBODY

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

## OWNER

**US Forest Service** Name: Federal Type:

#### POSITIONAL DATA

WGS 84, decimal degrees

47.44465 Latitude: -123.55473 Longitude: WA state plane south (NAD 27, feet) 1,244,574

784,656

## **Location / Directions:**

North:

Water crossing is approximately 0.65 miles north of the FS 2270/2270.181 junction.

Site Comments:

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

## SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
<b>~</b>	Chinook	Brook Trout
<b>V</b>	Coho	Brown Trout

Coho

0. "
Steelhea

## **LEVEL A ANALYSIS**

## **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

## CHANNEL DESCRIPTION

Toe Width (m)	4.42
Span/Toe Ratio	0.81

## **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

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

## **Culvert Comments:**

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



## **Mason Conservation District**

## Site ID:

PI:

## 127Y0064

## Fish Use:

Yes

Barrier: Yes

## **CULVERT DESCRIPTION**

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

## **Culvert Comments:**

Pipe 2.2 is on left bank.



**Mason Conservation District** 

Site ID: 127Y0065 Fish Use: PI:

No

Barrier:

# SITE DESCRIPTION

#### **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2270 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.45340 Field Review County: Latitude: Threshold Determination -123.53274 Longitude: 1/4 Section: SE **Expanded Threshold Determination** Section: 26 WA state plane south (NAD 27, feet) Downstream Check 23N Township: 1,250,133 07W Physical Survey Range: 787,634 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.55 miles Sockeye Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 northeast of FS 2270/2270.220 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Gradient barrier downstream. OWNER Steelhead **US Forest Service** Name: Federal Type: **LEVEL A ANALYSIS**

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	5/17/2004	Length (m)	Survey Type:
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

## **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	2.35
Rise (m)	2.48
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.50
Tidegate	No

## **Culvert Comments:**

Pipe 1.2 is on left bank.



Site ID:

PI:

127Y0065

Fish Use:

Barrier:

No

#### **Mason Conservation District**

## CULVERT DESCRIPTION

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

#### **Culvert Comments:**

Pipe 2.2 is on right bank.

**Mason Conservation District** 

Site ID:

PI:

127Y0066

Fish Use:

No

Barrier:

SITE	DES	CRIE	PTI	ON
GENER	RAL L	OCAT	ION	ı

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

07W

US Forest Service

Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees
Latitude:

 Latitude:
 47.45640

 Longitude:
 -123.52926

WA state plane south (NAD 27, feet)
East: 1,251,036

#### WATERBODY

Range:

**OWNER** 

Name:

Type:

unnamed
Wynoochee R 22.0311
22.0332
No
Physical

#### **Location / Directions:**

North:

Water crossing is approximately 0.8 miles north of FS 2270/2270.220 junction.

788,694

#### Site Comments:

OHW < 0.6 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolhood	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

5/17/2004		
Haque/Schuetzler/Lutz		

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.65
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0067

Fish Use:

Yes

Barrier: Yes

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

#### SITE DESCRIPTION

## **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

WGS 84, decimal degrees		
Latitude:	47.45808	
Longitude:	-123.52853	

WA state plane south (NAD 27, feet)

1,251,240 789,301 North:

Water crossing is approximately 0.95 miles north of the FS 2270/2270.220 junction.

#### SP

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
<b>~</b>	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

unnamed	
Wynoochee R 22.0311	
22.0000	
Yes	
Physical	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	8.90		
OHW (m)	7.10		
Max Depth (m)	1.50		
CHANNEL DESCRIPTION			

Toe Width (m)	4.40
Span/Toe Ratio	0.49

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.17
Rise (m)	2.17
Length (m)	20.39
Slope (%)	7.30
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.12
Apron	No
Fill Depth (m)	2.25
Tidegate	No

#### **Culvert Comments:**

concrete retaining wall at upstream end of



**Mason Conservation District** 

Site ID:

PI:

127Y0068

Fish Use:

No

Barrier:

SIT	ΓF	n	F٩	CR	<b>IPT</b>		N
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**GENERAL LOCATION** 

Road Name:	FS 2270	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	25	

Township: 23N
Range: 07W

#### WATERBODY

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

#### **OWNER**

Name:	US Forest Service	
Type:	Federal	

#### **POSITIONAL DATA**

WGS	84.	decimal	dearee
*****	υт,	accimiai	ucgico.

 Latitude:
 47.45907

 Longitude:
 -123.52751

 WA state plane south (NAD 27, feet)

 East:
 1,251,506

 North:
 789,653

#### **Location / Directions:**

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

#### Site Comments:

Two channels merge at upstream end of culvert, one is a ditch drainage. Upstream of culvert stream splits and becomes non fish bearing.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	0.55
Span/Toe Ratio	1.30

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.76
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.07
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.75
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0069

Fish Use:

No

Barrier:

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

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

**Site Comments:**OHW = 0.58 meters.

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

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

## LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	4.88
OHW (m)	1.55
Max Depth (m)	0.27
CHANNEL DESCRIPTION	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0070

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

WGS 84, decimal degrees		
Latitude:	47.46240	
Longitude:	-123.52683	

WA state plane south (NAD 27, feet)

1,251,720 790,860 North:

Water crossing is approximately 1.25 miles north of the FS 2270/2270.220 junction.

## s

PECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### WATERBODY

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

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	1.10

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.21
Rise (m)	1.20
Length (m)	15.25
Slope (%)	6.10
Bed Material	No
Outfall Drop (m)	0.80
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0071

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

WGS 84, decimal degrees Latitude: 47.46404 -123.52645 Longitude:

WA state plane south (NAD 27, feet) 1,251,838 791,453 North:

Physical Survey

**EVALUATION LEVEL COMPLETED** Report Logged

✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

#### WATERBODY

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

#### Location / Directions:

Water crossing is approximately 1.35 miles north of the FS 2270/2270.220 junction.

Site Comments:

#### S

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
✓ Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	6.17
OHW (m)	5.24
Max Depth (m)	1.00
CHANNEL DESCRIPTION	

OHNAMILE DECOMA HOM	
Toe Width (m)	2.60
Span/Toe Ratio	0.65

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.68
Rise (m)	1.66
Length (m)	18.23
Slope (%)	6.90
Bed Material	No
Outfall Drop (m)	0.28
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No



**Mason Conservation District** 

Site ID:	127Y0072	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	FS 2270	WGS 84, decimal de	grees		Report Logged
County:	Grays Harbor	Latitude:	47.46832	<b>✓</b>	Field Review
1/4 Section:	SW	Longitude:	-123.52429		Threshold Determination
Section:	24	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	23N	East:	1,252,432		Downstream Check
Range:	07W	North:	792,991		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is an	proximately 0.45 miles	SPECIE	<u>_</u>
Tributary To:	Wynoochee R 22.0311	south of the FS 2270			Sockeye Sea Run Cutthroat
WRIA:	22.0000				Pink Resident Trout
Fish Use:	No				Chum Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		Gradient barrier upst	ream and downstream.		Coho Brown Trout Steelhead
Name:	US Forest Service				
Type:	Federal				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	5/17/2004	Length (m)		Survey '	Туре:
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	
Method		CHANNEL DESCRI	FIION	7	(04)
Popair Status		Toe Width (m)			

#### **CULVERT DESCRIPTION**

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.40
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

US end of culvert has concrete reinforcements.



#### **Mason Conservation District**

Site ID:

PI:

127Y0073

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2270	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	24	
Township:	23N	

07W

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

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

#### **Location / Directions:**

Site Comments:

(Wynoochee Falls).

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

Natural point barrier for anadromous species

downstream on Wynoochee main stem

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	
	Pink Chum Chinook Coho

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	6.09
OHW (m)	7.10
Max Depth (m)	1.30
CHANNEL DESCRI	DTION
CHANNEL DESCRI	PTION
Toe Width (m)	3.00

0.55

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

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

#### **Culvert Comments:**

Span/Toe Ratio

Culvert is barrier for resident trout.



#### **Mason Conservation District**

Site ID:

PI:

127Y0074

Fish Use:

Barrier:

Yes

Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

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

#### POSITIONAL DATA

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

(Wynoochee Falls).

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

Natural point barrier for anadromous species

downstream on Wynoochee main stem

#### SPECIES POTENTIAL

,, LOIL	OICILITIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	6.09	
OHW (m)	7.10	
Max Depth (m)	1.30	
CHANNEL DESCRIPTION		
Toe Width (m)	3.00	

0.50

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.50
Rise (m)	1.50
Length (m)	15.40
Slope (%)	11.82
Bed Material	No
Outfall Drop (m)	1.05
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Culvert is a barrier for resident trout.



#### **Mason Conservation District**

Site ID:

PI:

127Y0075

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

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

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

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

Natural point barrier for anadromous species

#### SPECIES POTENTIAL

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

#### OWNER

Name:	US Forest Service
Type:	Federal

# downstream on Wynoochee main stem (Wynoochee Falls).

## LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	2.87
OHW (m)	2.07
Max Depth (m)	0.65
CHANNEL DESCRIPTION	
Toe Width (m)	0.95

0.80

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.76
Length (m)	12.59
Slope (%)	3.36
Bed Material	No
Outfall Drop (m)	0.90
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

# Culvert Comments:

Span/Toe Ratio

Culvert is barrier for resident trout.



#### **Mason Conservation District**

Site ID:

PI:

127Y0076

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## GENERAL LOCATION

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

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

(Wynoochee Falls).

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

Natural point barrier for anadromous species

downstream on Wynoochee main stem

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	4.06	
OHW (m)	3.37	
Max Depth (m)	0.75	
CHANNEL DESCRIPTION		
Toe Width (m)	0.95	

1.16

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.10
Rise (m)	0.98
Length (m)	19.14
Slope (%)	3.60
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.07
Apron	No
Fill Depth (m)	4.00
Tidegate	No

## Culvert Comments:

Span/Toe Ratio

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



#### **Mason Conservation District**

Site ID:

PI:

47.48289

-123.52433

127Y0077

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Yes

Yes Barrier:

#### SITE DESCRIPTION

**GENERAL LOCATION** 

#### FS 2270 Road Name: Grays Harbor County: NW1/4 Section: Section: 13 23N Township:

07W

US Forest Service

Federal

#### POSITIONAL DATA

Longitude:

WGS 84, decimal degrees	
Latitude:	

WA state plane south (NAD 27, feet)

of the FS 2270/2270.280 junction.

1,252,625 798,304 North:

Water crossing is approximately 0.7 miles north

## S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Range:

**OWNER** 

Name:

Type:

unnamed
Wynoochee R 22.0311
22.0000
Yes
Physical

## Site Comments:

**Location / Directions:** 

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

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

Toe Width (m)	1.45
Span/Toe Ratio	0.62

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.90
0.90
18.40
10.50
No
6.00
0.00
No
2.00
No

#### **Culvert Comments:**

Culvert is barrier for resident trout.



**Mason Conservation District** 

Site ID:	127Y0078	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2270 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.48436 **~** Field Review Latitude: County: Threshold Determination -123.52388 NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 13 WA state plane south (NAD 27, feet) Downstream Check 23N Township: 1,252,756 07W Physical Survey Range: 798,834 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Schofield Cr Stream: Water crossing is approximately 75 meters Sockeye Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 north of the FS 2270/2270.290 junction. Pink Resident Trout WRIA: 22.0335 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Natural point barrier for anadromous species OWNER downstream on Wynoochee main stem Steelhead (Wynoochee Falls). Gradient barrier upstream US Forest Service Name: and downstream. Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/17/2004 Length (m) Survey Type: Haque/Schuetzler/Lutz Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status Span/Toe Ratio Problem

#### CULVERT DESCRIPTION

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



**Mason Conservation District** 

PI:

Fish Use:

No

#### Barrier:

## SITE DESCRIPTION

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

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
WA state plane south (NAD 27, feet)		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

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

Natural point barrier for anadromous species

downstream on Wynoochee main stem (Wynoochee Falls). Natural point barriers upstream and downstream at site.

#### **SPECIES POTENTIAL**

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

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1		
RND		
CST		
1.10		
1.06		
No		
0.05		
No		
1.50		
No		



#### **Mason Conservation District**

Site ID: **127Y0080** Fi

Fish Use: Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2270.310	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	11	

# Section: 11 Township: 23N Range: 07W

#### WATERBODY

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

#### **OWNER**

Name:	US Forest Service
Type:	Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.49368	
Longitude:	-123.53033	
WA state plane south (NAD 27, feet)		
East: 1,251,293		
North:	802.295	

#### **Location / Directions:**

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

#### Site Comments:

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

,, LOIL	OICILITIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	6.49
Span/Toe Ratio	0.28

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.80
Rise (m)	1.82
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.77
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

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



Mason Co

Site ID: 127Y0081 Fish Use: No PI: Barrier:

onservation District	
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### SITE DESCRIPTION **GENERAL LOCATION**

#### FS 2270 Road Name: Grays Harbor County: NE 1/4 Section: Section: 14

23N Township: 07W Range:

#### WATERBODY

Clark Cr Stream: Tributary To: Wynoochee R 22.0311 WRIA: 22.0336 Fish Use: FUP Criteria: Physical

#### OWNER

US Forest Service Name: Federal Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.48987 -123.53163 Longitude: WA state plane south (NAD 27, feet) 1,250,920 800,917

#### **Location / Directions:**

North:

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

#### Site Comments:

Road washed out around culvert. Natural point barrier upstream and downstream.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

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

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

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



**Mason Conservation District** 

Site ID:

PI:

47.45342

127Y0082

Fish Use:

Yes Yes

Barrier:

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

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

#### **POSITIONAL DATA**

WGS 84,	decimal degrees
Latitude:	

Longitude:	-123.55037
WA state plane south (NAD 27, feet)	

East:	1,245,774
North:	787,810

## EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination

	Threshold Determination
$\neg$	Expanded Threshold Determina

•
Downstream Check
Physical Survey

#### WATERBODY

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

#### Location / Directions:

Water crossing is approximately 25 meters northeast of the FS 2270/2270.760 junction.

Site	Comments:
Oite	Commicino.

#### SPECIES POTENTIAL

LOILOTOTLITTIAL		
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

0.92

0.99

#### POTENTIAL HABITAT GAIN

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

#### CULVERT DESCRIPTION

OULVERT DECORM TION		
Sequencer:	1.1	
Shape	RND	
Material	CST	
Span (m)	0.91	
Rise (m)	0.88	
Length (m)	16.01	
Slope (%)	8.60	
Bed Material	No	
Outfall Drop (m)	1.70	
WDIC (m)	0.00	
Apron	No	
Fill Depth (m)	3.50	
Tidegate	No	

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID:	127Y0083	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOC	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	FS 2270	WGS 84, decimal de	grees		Report Logged
County:	Grays Harbor	Latitude:	47.45401	<b>✓</b>	Field Review
1/4 Section:	SE	Longitude:	-123.55137		Threshold Determination
Section:	27	WA state plane soutl	n (NAD 27, feet)		Expanded Threshold Determination
Township:	23N	East:	1,245,537		Downstream Check
Range:	07W	North:	788,034		Physical Survey
WATERBODY		Location / Direction	s:	enecie	ES POTENTIAL
Stream:	unnamed	Water crossing is an	proximately 0.1 miles west	SPECIE	Sockeye Sea Run Cutthroat
Tributary To:	WF Wynoochee 22.0326	of the FS 2270/2270			, <u></u>
WRIA:	22.0000				
Fish Use:	No				
FUP Criteria:	Physical			Chinook Brook Trout	
OWNER		Stream channel poor	ly defined.		Coho Brown Trout Steelhead
Name:	US Forest Service				
Type:	Federal				
LEVEL A AN	NALYSIS				
SUMMARY INFO	ORMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	5/18/2004	Length (m)		Survey	Туре:
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	
Method			FIION	rcaing	(04 111)
Renair Status		Toe Width (m)			

#### **CULVERT DESCRIPTION**

Problem

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.44
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.08
WDIC (m)	
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Culvert is buried at upstream end of culvert.



**Mason Conservation District** 

Site ID:

PI:

127Y0084

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

No

Barrier:

SITE	DFS	CRIP	TION

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

#### POSITIONAL DATA

**Location / Directions:** 

Site Comments:

of the FS 2270/2270.760 junction.

WGS 84, decimal degrees			
Latitude:	47.45400		
Longitude:	-123.55380		

WA state plane south (NAD 27, feet) 1,244,936 788,053 North:

Water crossing is approximately 0.2 miles west

Gradient barrier upstream of culvert, gradient =

24%. Level A not completed due to no gain.

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Stoolboad	

#### WATERBODY

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

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	0.41
Span/Toe Ratio	1.10

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.02
Apron	No
Fill Depth (m)	
Tidegate	No



**Mason Conservation District** 

Site ID: **127Y0085** 

PI:

Fish Use:

se: No

Barrier:

SITE	DESCRIPTION
91 I L	DEGCINII IIGIA

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

#### POSITIONAL DATA

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.25 miles west of the FS 2270/2270.760 junction.

Gradient = 30%, gradient barrier upstream of

culvert. Level A not completed due to no gain.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	1.98	
OHW (m)	1.46	
Max Depth (m)	0.32	
CHANNEL DESCRIPTION		

#### POTENTIAL 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)	0.36
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

# Toe Width (m) Span/Toe Ratio

#### **Culvert Comments:**

3.1 meter high cascade about 10 meters downstream of culvert.



#### **Mason Conservation District**

Site ID:

PI:

127Y0086

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

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

#### POSITIONAL DATA

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

787,905

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.4 miles west of the FS 2270/2270.760 junction.  $\label{eq:proposition} % \begin{subarray}{ll} \end{subarray} %$ 

PECIE	SPOTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	1.43
OHW (m)	1.46
Max Depth (m)	0.30
CHANNEL DESCRIPTION	
Toe Width (m)	0.90

0.68

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.61
0.61
18.06
18.20
No
0.13
0.00
No
5.00
No

#### **Culvert Comments:**

Span/Toe Ratio



Site ID:

PI:

127Y0087

Fish Use:

Barrier:

No Unk

## **Mason Conservation District**

## SITE DESCRIPTION

#### **GENERAL LOCATION**

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

## WATERBODY

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

#### OWNER

Name:	US Forest Service		
Type:	Federal		

#### **POSITIONAL DATA**

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

#### **Location / Directions:**

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

#### Site Comments:

Gradient = 22% upstream of culvert, gradient barrier. Did not complete level A survey due to no gain.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
CHANNEL DESCR Toe Width (m)	RIPTION

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1			
Shape	RND			
Material	CST			
Span (m)	0.58			
Rise (m)	0.62			
Length (m)				
Slope (%)				
Bed Material	No			
Outfall Drop (m)	0.74			
WDIC (m)	0.00			
Apron	No			
Fill Depth (m)				
Tidegate	No			



**Mason Conservation District** 

Site ID:	127Y0088	Fish Use:	No
PI:		Barrier:	

SITE DESCR	RIPTION						
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED			
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude: 47.46102		<b>✓</b>	Field Review		
1/4 Section:	SE	Longitude:	-123.55746		Threshold Dete	rmination	
Section:	27	WA state plane south	WA state plane south (NAD 27, feet)		Expanded Threshold Determination		
Township:	23N	East:	1,244,130		Downstream Check		
Range:	07W	North:		Physical Survey			
WATERBODY		Location / Direction	s:	SDECIE	S POTENTIAL		
Stream:	unnamed	Water crossing is app	Water crossing is approximately 1.2 miles west		Sockeye	Sea Run Cutthroat	
Tributary To:	WF Wynoochee 22.0326	of the FS 2270/2270.			Pink	Resident Trout	
WRIA:	22.0000				Chum	Dolly/Bull Trout	
Fish Use:	No				Chinook	Brook Trout	
FUP Criteria:	Physical	Site Comments:			Coho	Brown Trout	
OWNER		Gradient = 35%. Gradient barrier.		Steelhead			
Name:	US Forest Service						
Type:	Federal	Federal					
LEVEL A AN	IALYSIS						
SUMMARY INFO	ORMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT (	GAIN	
Review Date:	5/18/2004	Length (m)		Survey	Type:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawni	ng (sq m)		
Passability (%)		CHANNEL DESCRI			Rearing (sq m)		
Method		-	TION	Nearing	1 (54 111)		
Papair Status		Toe Width (m)					

#### **CULVERT DESCRIPTION**

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.06
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.24
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0089

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name: Type:

WATERBODY

Tributary To:

FUP Criteria:

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

unnamed

WF Wynoochee 22.0326

22.0000

Yes

Physical

US Forest Service

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.46438 Latitude: -123.56389 Longitude: WA state plane south (NAD 27, feet)

1,242,587 791,936 North:

#### **Location / Directions:**

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

Site Comr	nents:
-----------	--------

## **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review

Threshold Determination **Expanded Threshold Determination** 

Downstream Check Physical Survey

CCIE	3 PUTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	3.88		
Span/Toe Ratio	0.41		

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.60
Rise (m)	1.67
Length (m)	12.35
Slope (%)	12.18
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	2.50
Tidegate	No



**Mason Conservation District** 

Site ID:	Site ID: <b>127Y0090</b>		No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED		
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude: 47.46789		✓	Field Review		
1/4 Section:	SE	Longitude:	-123.57206		Threshold Determination		
Section:	21	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination		
Township:	23N	East:	1,240,619		Downstream Check		
Range:	07W	North:	793,293		Physical Survey		
WATERBODY		Location / Direction	ocation / Directions:		SPECIES POTENTIAL		
Stream:	unnamed	Water crossing is ap	proximately 1.45 miles		Sockeye Sea Run Cutthroat		
Tributary To:	WF Wynoochee 22.0326	north of FS 2270/22			Pink Resident Trout		
WRIA:	22.0000				Chum Dolly/Bull Trout		
Fish Use:	No	0.4.			Chinook Brook Trout		
FUP Criteria:	Physical	Site Comments:	Site Comments:		Coho Brown Trout		
OWNER		OHW = 0.27 meters	OHW = 0.27 meters.		Steelhead		
Name:	US Forest Service						
Type:	Federal						
LEVEL A AN	IALYSIS						
SUMMARY INFO	DRMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN		
Review Date:	5/18/2004	Length (m)		Survey '	Туре:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawnir	ng (sq m)		
Passability (%)		CHANNEL DESCRI	PTION	Rearing	(sa m)		
Method					, (-1)		
Repair Status		Toe Width (m)		_			

#### **CULVERT DESCRIPTION**

Problem

1.1
RND
CST
0.81
0.59
No
0.02
No
No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID: **127Y0091** 

PI:

Fish Use:

No

Barrier:

		IPT	

GENERAL LOC	ATION	POSITIONAL DATA	1	EVALU	ATION LEVEL	COMPLETED
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logge	d
County:	Grays Harbor	Latitude:	47.46828	<b>✓</b>	Field Review	
1/4 Section:	NE	Longitude:	-123.57307		Threshold Det	termination
Section:	21	WA state plane sout	th (NAD 27, feet)		Expanded Thr	reshold Determination
Township:	23N	East:	1,240,374		Downstream (	Check
Range:	07W	North:	793,444		Physical Surv	ey
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 1.5 miles north		Sockeye	Sea Run Cutthroat
Tributary To:	WF Wynoochee 22.0326	of FS 2270/2270.70			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		Gradient barrier ups	tream.		Coho Steelhead	Brown Trout
Name:	US Forest Service			_		
Type:	Federal					
LEVEL A AN	IALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT	GAIN
Review Date:	5/18/2004	Length (m)		Survey	Type:	

#### Problem

Field Crew: Barrier Passability (%) Method

Repair Status

CULVERT DESCRIPTION		
Sequencer:	1.2	
Shape	SQSH	
Material	CST	
Span (m)	1.86	
Rise (m)	1.46	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	1.39	
WDIC (m)	0.00	
Apron	No	
Fill Depth (m)		
Tidegate	No	

Haque/Lutz

NG

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	3.37	

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

#### **Culvert Comments:**

Span/Toe Ratio

Pipe 1.2 is on right bank.



Site ID:

PI:

127Y0091

Fish Use:

Barrier:

No

#### **Mason Conservation District**

#### **CULVERT DESCRIPTION**

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

#### **Culvert Comments:**

Pipe 2.2 is on left bank.



**Mason Conservation District** 

Site ID:

PI:

127Y0092

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

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

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 1.85 miles northwest of FS 2270/2270.700 junction.

#### SPECIES POTENTIAL

LOIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

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

#### PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	3.40		
Span/Toe Ratio	0.68		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

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

#### **Culvert Comments:**

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



**Mason Conservation District** 

Site ID: 127Y0093 Fish Use: No PI: Barrier:

SITE DESCR	RIPTION						
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED		
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.47098	<b>✓</b>	Field Review		
1/4 Section:	NW	Longitude:	-123.58154		Threshold De	etermination	
Section:	21	WA state plane south (NAD 27, feet)			Expanded Threshold Determination		
Township:	23N	East:	1,238,320		Downstream	Check	
Range:	07W	North:	794,511		Physical Surv	/ey	
WATERBODY		Location / Direction	s:	SDECI	ES POTENTIAI		
Stream:	unnamed	Water crossing is an	proximately 1 95 miles	3FEGIL	Sockeye	Sea Run Cutthroat	
Tributary To:	WF Wynoochee 22.0326	Water crossing is approximately 1.95 miles northwest of FS 2270.2270.700 junction.			Pink	Resident Trout	
WRIA:	22.0329				Chum		
Fish Use:	No					Dolly/Bull Trout     Brook Trout	
FUP Criteria:	Physical	Site Comments:			Chinook	Brown Trout	
OWNER		Gradient downstream of culvert is 24%, gradient barrier.			Coho Steelhead	Brown Frout	
Name:	US Forest Service	· ·					
Type:	Federal						
LEVEL A AN	NALYSIS						
SUMMARY INFO	ORMATION	PLUNGE POOL DESCRIPTION		POTEN	ITIAL HABITAT	Γ GAIN	
Review Date:	5/18/2004	Length (m)		Survey	Туре:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawni	ng (sq m)		
Passability (%)		CHANNEL DESCRI	PTION	 Rearing	·		
Method			TION	٦	, (~4 ''')		
Repair Status		Toe Width (m)					

#### **CULVERT DESCRIPTION**

Problem

1.1
SQSH
CST
2.86
2.26
No
0.26
0.04
No
1.00
No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0094

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 2270
0	Grays Harbor
County:	Grays Harbor
1/4 Section:	NW
Section:	21

Section: 23N Township: 07W Range:

#### WATERBODY

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

#### OWNER

**US Forest Service** Name: Federal Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.47206 Latitude: -123.59019 Longitude: WA state plane south (NAD 27, feet)

1,236,197 794,986 North:

#### **Location / Directions:**

Water crossing is approximately 2.4 miles northwest of FS 2270/2270.700 junction

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout

Chum

Chinook

Coho

Brown Trout

Dolly/Bull Trout

**Brook Trout** 

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	2.96
Span/Toe Ratio	1.30

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.02
0.84
12.18
5.00
No
0.78
0.00
No
2.00
No



**Mason Conservation District** 

Site ID:	127Y0095	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

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

## WATERBODY

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

#### OWNER

Name:	US Forest Service
Туре:	Federal

#### POSITIONAL DATA

WGS 84,	decimal	degree
---------	---------	--------

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

#### Location / Directions:

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

#### Site Comments:

OHW = 0.56 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
CHANNEL DESCRI	PTION

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.12
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID: **127** 

PI:

127Y0096

Fish Use:

No

Barrier:

SITE	DESCR	IPTION
------	-------	--------

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

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.47174

Longitude: -123.59534

WA state plane south (NAD 27, feet)

East: 1,234,920

North: 794,920

#### **EVALUATION LEVEL COMPLETED**

L		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

**Site Comments:**OHW = 0.49 meters.

Water crossing is approximately 2.65 miles northwest of FS 2270/2270.700 junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

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

#### PLUNGE POOL DESCRIPTION

Length (m)	4.19
OHW (m)	2.23
Max Depth (m)	0.35
wax Depth (m)	0.55
CHANNEL DESCRIPTION	
Toe Width (m)	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.58
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

127Y0097

Fish Use:

Yes

PI:

Barrier: Yes

# SITE DESCRIPTION GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

# Road Name: FS 2270 County: Grays Harbor

 County:
 Grays Harbor

 1/4 Section:
 NE

 Section:
 20

 Township:
 23N

07W

unnamed

WF Wynoochee 22.0326

22.0000

Yes

Physical

US Forest Service

Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

Site Comments:

 Latitude:
 47.47053

 Longitude:
 -123.59722

 WA state plane south (NAD 27, feet)

East: 1,234,437
North: 794,497

Water crossing is approximately 50 meters

southwest of FS 2270/2270.660 junction.

#### SPECIES POTENTIAL

-0	OICILITIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

☐ Chinook
✓ Coho

Steelhead

## LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION	
Max Depth (m)	
OHW (m)	
Length (m)	

Toe Width (m)	1.15
Span/Toe Ratio	0.39

#### POTENTIAL HABITAT GAIN

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

Brown Trout

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.59
Rise (m)	0.61
Length (m)	12.25
Slope (%)	13.20
Bed Material	No
Outfall Drop (m)	0.34
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

No plunge pool, series of cascades downstream of culvert.



#### **Mason Conservation District**

Site ID:

PI:

127Y0098

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

#### **GENERAL LOCATION** FS 2270.660 Road Name:

Grays Harbor County: NE 1/4 Section: Section: 20 Township:

23N 07W

unnamed

WF Wynoochee 22.0326

22.0000

Yes

Physical

**US Forest Service** 

Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees

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

## Location / Directions:

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

#### Site Comments:

Culvert runs under decommissioned road.

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination **Expanded Threshold Determination** 

Downstream Check Physical Survey

#### **SPECIES POTENTIAL**

	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>V</b>	Coho	Brown Trout

#### Coho Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	1.15
Span/Toe Ratio	0.53

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.59
Length (m)	12.30
Slope (%)	12.50
Bed Material	No
Outfall Drop (m)	0.88
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Confluence with WF Wynoochee River approximately 40 meters downstream.



**Mason Conservation District** 

Site ID: **127Y0099** Fish Use: PI: Barrier:

No

#### SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2270 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.46746 **~** Field Review Latitude: County: Threshold Determination -123.61126 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 20 WA state plane south (NAD 27, feet) Downstream Check 23N Township: 1,230,922 07W Physical Survey Range: 793,515 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.6 miles west Sockeye Sea Run Cutthroat WF Wynoochee 22.0326 Tributary To: of FS 2270/2270.640 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.57 meters. **OWNER** Steelhead **US Forest Service** Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/18/2004 Length (m) Survey Type: Haque/Lutz Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status

#### **CULVERT DESCRIPTION**

Problem

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

#### Culvert Comments:

Span/Toe Ratio

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



**Mason Conservation District** 

Site ID: **127Y0100** Fish Use: PI: Barrier:

No

#### SITE DESCRIPTION

0 E DE00.						
GENERAL LOC	ATION	POSITIONAL DATA	L	EVALU	ATION LEVEL	COMPLETED
Road Name:	FS 2270	WGS 84, decimal de	egrees		Report Logged	b
County:	Grays Harbor	Latitude:	47.46720	<b>✓</b>	Field Review	
1/4 Section:	SE	Longitude:	-123.61339		Threshold Det	ermination
Section:	19	WA state plane sout	h (NAD 27, feet)		Expanded Thr	eshold Determination
Township:	23N	East:	1,230,393		Downstream C	Check
Range:	07W	North:	793,440		Physical Surve	еу
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.7 miles west		Sockeye	Sea Run Cutthroat
Tributary To:	WF Wynoochee 22.0326	of FS 2270/2270.640			Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No					Brook Trout
FUP Criteria:	Physical	Site Comments:			Chinook	
OWNER		Gradient barrier upstream and downstream.			Coho Steelhead	Brown Trout
Name:	US Forest Service					
Type:	Federal					
LEVEL A AN	IALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION		POTEN	ITIAL HABITAT	GAIN
Review Date:	5/18/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		,	DTION	•	• • •	
Method		CHANNEL DESCRI	PHON	Rearing	J (54 III)	

#### **CULVERT DESCRIPTION**

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.10
Rise (m)	1.06
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.05
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

No plunge pool, stream cascades directly downstream of culvert.



**Mason Conservation District** 

Site ID:	127Y0101	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

OITE DEGUN	11014					
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	FS 2270	WGS 84, decimal de	grees		Report Logged	t
County:	Grays Harbor	Latitude:	47.46709	<b>✓</b>	Field Review	
1/4 Section:	SE	Longitude:	-123.61533		Threshold Det	ermination
Section:	19	WA state plane south	n (NAD 27, feet)		Expanded Thr	eshold Determination
Township:	23N	East:	1,229,911		Downstream C	Check
Range:	07W	North:	793,422		Physical Surve	<b>Р</b> У
WATERBODY		Location / Directions:		SPECIES POTENTIAL		
Stream:	unnamed	Water crossing is approximately 0.8 miles west of FS 2270/2270.640 junction.			Sockeye	Sea Run Cutthroat
Tributary To:	WF Wynoochee 22.0326				Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No	Site Comments:			Chinook	Brook Trout
FUP Criteria:	Physical				Coho	Brown Trout
OWNER		Gradient barrier upstream and downstream.			Steelhead	Blown Hout
Name:	US Forest Service					
Type:	Federal					
LEVEL A ANA	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT	GAIN

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	5/19/2004	Length (m)	Survey Type:	
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)	Length (m):	
Barrier		Max Depth (m)	Spawning (sq m)	
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)	
Method			3(417)	
Repair Status		Toe Width (m)		
Problem		Span/Toe Ratio		

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.73
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.88
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No



**Mason Conservation District** 

Site ID: 127Y0102

PI:

Fish Use:

No

Barrier:

O.T.	DECODI	DT1011
SILE	DESCRI	PHON

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

#### **POSITIONAL DATA**

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

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

Water crossing is approximately 0.9 miles west of FS 2270/2270.640 junction.  $\label{eq:proposition} % \begin{subarray}{ll} \end{subarray} % \be$ 

Gradient barrier upstream and downstream.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolhood	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### PLUNGE POOL DESCRIPTION

Length (m)	1.82	
OHW (m)	1.69	
Max Depth (m)	0.26	
CHANNEL DESCRIPTION		

#### **POTENTIAL HABITAT GAIN**

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

## **SUMMARY INFORMATION**

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

Toe Width (m)	
Span/Toe Ratio	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.33
WDIC (m)	0.04
Apron	No
Fill Depth (m)	
Tidegate	No



**Mason Conservation District** 

Site ID:	127Y0103	Fish Use:
PI:		Barrier:

Rearing (sq m)

No

#### SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2270 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.46710 **~** Field Review County: Latitude: Threshold Determination -123.61895 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 19 WA state plane south (NAD 27, feet) Downstream Check 23N Township: 1,229,018 07W Physical Survey Range: 793,459 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.95 miles Sockeye Sea Run Cutthroat Tributary To: WF Wynoochee 22.0326 west of FS 2270/2270.640 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Gradient barrier upstream and downstream. OWNER Steelhead US Forest Service Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/29/2004 Length (m) Survey Type: Haque/Schuetzler/Lutz Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%)

#### **CULVERT DESCRIPTION**

Method

Problem

Repair Status

***************************************		
Sequencer:	1.1	
Shape	RND	
Material	CST	
Span (m)	0.61	
Rise (m)	0.61	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.46	
WDIC (m)	0.00	
Apron	No	
Fill Depth (m)	1.50	
Tidegate	No	

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



**Mason Conservation District** 

Site ID:

PI:

127Y0104

Fish Use:

No

Barrier:

SITE	DES	CRIP	ΛΟΙΤ
------	-----	------	------

GENERAL LOCAT	TON	POSITIONAL DATA
Road Name:	FS 2270	WGS 84, decimal de
County:	Grays Harbor	Latitude:
1/4 Section:	SW	Longitude:
Section:	19	WA state plane south
Township:	23N	East:
Range:	07W	North:
WATERRORY		Landa (Biraki)

degrees 47.46707 -123.62068 uth (NAD 27, feet) 1,228,590 793,464

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

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

Gradient barrier upstream and downstream.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolhood	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
,	
CHANNEL DESCRI	PTION
CHANNEL DESCRI Toe Width (m)	PTION

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.60
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0105

Fish Use:

No

Barrier:

SITE	DES	CRII	PTION
GENE	RAL L	OCAT	ION

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

#### **POSITIONAL DATA**

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

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	
Tributary To:	
WRIA:	
Fish Use:	
FUP Criteria:	
ributary To: /RIA: ish Use:	

#### **Location / Directions:**

**Site Comments:**OHW = 0.30 meters.

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

#### SPECIES POTENTIAL

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

#### OWNER

Name:	US Forest Service
Type:	Federal

## LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	2.33	
OHW (m)	0.83	
	0.00	
Max Depth (m)	0.23	
CHANNEL DESCRIPTION		
Toe Width (m)	0.30	

2.00

#### POTENTIAL HABITAT GAIN

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

## CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### Culvert Comments:

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

47.46740

127Y0106

Fish Use:

e: No

Barrier:

ITF			

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name: Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION		
Road Name:	FS 2270	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	19	
Township:	23N	

07W

unnamed

WF Wynoochee 22.0326

22.0000

Physical

US Forest Service

# Latitude: Longitude:

WGS 84, decimal degrees
Latitude:

**POSITIONAL DATA** 

 Longitude:
 -123.62264

 WA state plane south (NAD 27, feet)

 East:
 1,228,111

 North:
 793,606

#### Location / Directions:

Water crossing is approximately 1.15 miles west of the 2270/2270.640 junction.

#### Site Comments:

OHW = 0.40 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

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

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	1.66
OHW (m)	0.70
Max Depth (m)	0.21

#### CHANNEL DESCRIPTION

Toe Width (m)	0.40
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.74
0.72
No
0.21
0.03
No
1.00
No



**Mason Conservation District** 

Site ID: 127Y0107

PI:

Fish Use:

No

Barrier:

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL	COMPLETED
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.46774	<b>✓</b>	Field Review	
1/4 Section:	SW	Longitude:	-123.62339		Threshold Det	termination
Section:	19	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	23N	East:	1,227,930		Downstream (	Check
Range:	07W	North:	793,735		Physical Surve	ey
WATERBODY		Location / Direction	ıs:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 1.15 miles		Sockeye	Sea Run Cutthroat
Tributary To:	WF Wynoochee 22.0326	west of the 2270/227			Pink	
WRIA:	22.0000				Chum	Resident Trout
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		OHW = 0.35 meters.			Coho Steelhead	Brown Trout
Name:	US Forest Service					
Type:	Federal					

#### **LEVEL A ANALYSIS**

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	5/19/2004	Length (m)	Survey Type:
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			3(1)
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.64
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.69
WDIC (m)	0.06
Apron	No
Fill Depth (m)	2.00
Tidegate	No



**Mason Conservation District** 

Site ID:	127Y0108	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

OITE DEGCIN	11014				
GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.46781	<b>✓</b>	Field Review
1/4 Section:	SW	Longitude:	-123.62421		Threshold Determination
Section:	19	WA state plane soutl	n (NAD 27, feet)		Expanded Threshold Determination
Township:	23N	East:	1,227,728		Downstream Check
Range:	07W	North:	793,768		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 1.2 miles west	3FEGIL	Sockeye Sea Run Cutthroat
Tributary To:	WF Wynoochee 22.0326	of the FS 2270/2270			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No				Chinook Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout
OWNER		OHW = 0.50 meters.			Steelhead
Name:	US Forest Service				
Type:	Federal				
LEVEL A AN	ALYSIS				
SUMMARY INFO	DRMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN
Review Date:	5/19/2004	Length (m)		Survey	Туре:
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	(sq m)
Method			-	J	
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.78
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0109

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

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

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.46786	
Longitude:	-123.62583	
WA state plane south (NAD 27, feet)		

The second product of the	( = , ,
East:	1,227,328
North:	793,802

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Water crossing is approximately 1.3 miles west of the 2270/2270.640 junction.

Site	Comments:

SPECIES POTENTIAL			
Sockeye	Sea Run Cutthroa		
Pink	Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
<b>✓</b> Coho	Brown Trout		
Steelhead			

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/19/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.52	
OHW (m)	1.98	
Max Depth (m)	0.32	
CHANNEL DESCRIPTION		
Toe Width (m)	0.70	

1.00

	Longin (iii).
	Spawning (sq
	Rearing (sq m
-	

#### **POTENTIAL HABITAT GAIN**

urvey Type:	
ength (m):	
pawning (sq m)	
earing (sq m)	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.63
Length (m)	18.25
Slope (%)	12.20
Bed Material	No
Outfall Drop (m)	0.27
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

**Mason Conservation District** 

Site ID:

PI:

127Y0110

Fish Use:

No

Barrier:

SITF			

**GENERAL LOCATION** 

Road Name:	FS 2270.680
County:	Grays Harbor
1/4 Section:	NW
Section:	21

23N Township: 07W Range:

#### WATERBODY

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

#### OWNER

US Forest Service Name: Federal Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.47298 Latitude: -123.58938 Longitude: WA state plane south (NAD 27, feet)

1,236,409 795,316 North:

#### **Location / Directions:**

Water crossing is approximately 0.1 miles north of FS 2270.680/2270 junction.

#### Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat.

#### **EVALUATION LEVEL COMPLETED**

Report L	ogged
Report L	ogged

Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout

Chinook

**Brook Trout** Brown Trout Coho

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

5/19/2004
Haque/Schuetzler/Lutz
NG

#### PLUNGE POOL DESCRIPTION

Length (m)	7.34
OHW (m)	3.85
Max Depth (m)	0.60

#### CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.06
Rise (m)	0.98
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.87
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0111

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	22N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.43167	
Longitude:	-123.56192	
WA state plane south (NAD 27, feet)		
East:	1,242,612	
North:	779,991	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

Water crossing is approximately 20 meters east of FS 2372/2270 intersection.

PECIES POTENTIAL		
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/19/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	6.17	
OHW (m)	4.00	
Max Depth (m)	2.36	
CHANNEL DESCRIPTION		

5.09

0.34

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.72
Rise (m)	1.92
Length (m)	9.64
Slope (%)	4.70
Bed Material	No
Outfall Drop (m)	3.03
WDIC (m)	0.00
Apron	US
Fill Depth (m)	0.30
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID: **127Y0112** F

Fish Use: No

Barrier:

CITE	DESCRIPTION	ı
SIIL	DESCIVIL LIGH	ı

GENERAL LOCA	TION	POSITIONAL DAT	Ά	EVALU	ATION LEVEL	COMPLETED
Road Name:	FS 2372	WGS 84, decimal of	degrees		Report Logge	ed
County:	Grays Harbor	Latitude:	47.42742	<b>✓</b>	Field Review	
1/4 Section:	NE	Longitude:	-123.55824		Threshold De	etermination
Section:	3	WA state plane so	uth (NAD 27, feet)		Expanded Th	reshold Determination
Township:	22N	East:	1,243,461		Downstream	Check
Range:	07W	North:	778,408		Physical Surv	vey
WATERBODY		Location / Direction	ons:	SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is a	approximately 0.4 miles	3FECIE	Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311		2372/2270 intersection.		Pink	
WRIA:	22.0000				Chum	Resident Trout
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
		Gradient barrier up	stream and downstream.		Coho	Brown Trout
OWNER		·			Steelhead	
Name:	US Forest Service					

#### **LEVEL A ANALYSIS**

Type:

#### **SUMMARY INFORMATION**

Review Date:	5/19/2004	Le
Field Crew:	Haque/Schuetzler/Lutz	OF
Barrier		Ma
Passability (%)		CH
Method		-
Repair Status		То
Problem		Sp

#### PLUNGE POOL DESCRIPTION

Length (m)	3.70	
OHW (m)	7.10	
Max Depth (m)	0.71	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

_	
Sequencer:	1.2
Shape	SQSH
Material	CST
Span (m)	1.60
Rise (m)	1.07
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.38
WDIC (m)	0.07
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Pipe 1.2 is on right bank.



## Mason Conservation District

## Site ID:

PI:

## 127Y0112

## Fish Use:

### No

## Barrier:

#### **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.56
Rise (m)	1.13
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.77
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Pipe 2.2 is on left bank.



#### **Mason Conservation District**

Site ID:

PI:

127Y0113

Fish Use:

No

Barrier: Unk

SITE	DESCRIPTION	V

GENERAL LOCATION	
Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	SW
Section:	3
Township:	22N

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.42342 -123.55966 Longitude: WA state plane south (NAD 27, feet) 1,243,053 776,963

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

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

#### **Location / Directions:**

Site Comments:

North:

Water crossing is approximately 0.7 mile south of the FS 2372/FS 2270 junction.  $\label{eq:continuous}$ 

Gradient barrier upstream. Did not complete

level A survey due to no gain for habitat.

#### SPECIES POTENTIAL

LOIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	1.61
Max Depth (m)	0.30
CHANNEL DESCRIPTION	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.16
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Length (m)	2.10
OHW (m)	1.61
Max Depth (m)	0.30

Toe Width (m)	
Span/Toe Ratio	

#### **Culvert Comments:**

Recently replaced culvert.



**Mason Conservation District** 

Site ID:

PI:

127Y0114

Fish Use:

No

Barrier:

SI	ΙĿ	DE	SC	įΚΙ	PI	IOI	١

#### **GENERAL LOCATION** FS 2372 Road Name: Grays Harbor County: 1/4 Section: Section: 3 22N Township: 07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees Latitude: 47.42220 -123.55818 Longitude: WA state plane south (NAD 27, feet) 1,243,403 776,504 North:

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

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

#### Location / Directions:

Site Comments:

Water crossing is approximately 0.8 miles south of the FS 2372/FS 2270 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

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Gradient = 29%, gradient barrier.

Length (m)	3.80
OHW (m)	4.20
Max Depth (m)	0.58
CHANNEL DESCRI	PTION
Toe Width (m)	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.39
Rise (m)	1.28
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.24
WDIC (m)	0.07
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Pipe 1.2 is on right bank.



Site ID: PI: 127Y0114

Fish Use:

Barrier:

No

## **Mason Conservation District**

## CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.14
Rise (m)	1.25
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.97
WDIC (m)	0.00
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**

Pipe 2.2 is on left bank. No water in culvert, water flows through pipe 1.2.



**Mason Conservation District** 

Site ID:	127Y0115	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA	<b>A</b>	EVALU	ATION LEVEL COMPLETED
Road Name:	FS 2372	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.42224	<b>✓</b>	Field Review
1/4 Section:	SE	Longitude:	-123.55833		Threshold Determination
Section:	3	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination
Township:	22N	East:	1,243,367		Downstream Check
Range:	07W	North:	776,520		Physical Survey
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is an	proximately 0.8 miles south		Sockeye Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of the FS 2372/FS 2			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			
OWNER		Gradient = 29%, gra	adient barrier.		Coho Brown Trout Steelhead
Name:	US Forest Service				0.0000.0
Type:	Federal				
LEVEL A AN	ALYSIS				
SUMMARY INFO	UMMARY INFORMATION PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT GAIN	
Review Date:	5/19/2004	Length (m)		Survey	Туре:
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)		Length (	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)				Rearing	
Method		CHANNEL DESCR		reallig	(34 111)

#### **CULVERT DESCRIPTION**

Repair Status

Problem

1.1
RND
CST
0.61
0.61
No
0.04
No
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

Natural point barrier upstream of culvert, slide and cascades.



**Mason Conservation District** 

Site ID: 1	27Y0116
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PI:

Fish Use: Barrier:

No

#### SITE DESCRIPTION

**GENERAL LOCATION** 

#### FS 2372 Road Name: Grays Harbor County:

NE 1/4 Section: Section: 10 22N Township: 07W Range:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.41650 Latitude: -123.55743 Longitude: WA state plane south (NAD 27, feet) 1,243,508

774,421

#### **EVALUATION LEVEL COMPLETED** Report Logged

Physical Survey

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

North:

Water crossing is approximately 20 meters north of the 2372/2372.820 junction.

Gradient barrier downstream of culvert.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

US Forest Service Name: Federal Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	4.25	
OHW (m)	4.30	
Max Depth (m)	0.93	
CHANNEL DESCRIPTION		

## **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.66
Rise (m)	1.65
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.06
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0117

Fish Use:

No

Barrier:

SITE DESCRIPTION
------------------

#### **POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged FS 2372 WGS 84, decimal degrees Road Name: Grays Harbor 47.41629 Field Review County: Latitude: -123.55778 Threshold Determination NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 10 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,243,417 07W Physical Survey Range: 774,348 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 30 meters west Sockeye Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 of the 2372/2372.820 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Gradient barrier upstream and downstream of OWNER Steelhead US Forest Service Name: Federal Type:

#### **LEVEL A ANALYSIS**

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	5/19/2004	Length (m)	Survey Type:
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			3(41)
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.89
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**

Spring fed at upstream end of culvert.



**Mason Conservation District** 

Site ID: **127Y0118** 

Fish Use: No

Barrier:

SIT	ΓF	n	F٩	CR	<b>IPT</b>		N
JI.		$\mathbf{\nu}$	ᆫᇰ	$\mathbf{c}$	IF I	ı	ı

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	FS 2372.820	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.41628	<b>✓</b>	Field Review
1/4 Section:	NE	Longitude:	-123.55683		Threshold Determination
Section:	10	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	22N	East:	1,243,654		Downstream Check
Range:	07W	North:	774,333		Physical Survey
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is approximately 20 meters east of the FS 2372.820/FS 2372 junction.			Sockeye Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311				
WRIA:	22.0000				
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		Gradient barrier dow	nstream of culvert.		Coho Brown Trout Steelhead
Name:	US Forest Service				
Туре:	Federal				

PI:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)	5.24		
OHW (m)	3.40		
Max Depth (m)	0.73		
CHANNEL DESCRIPTION			
Toe Width (m)			

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.26
Rise (m)	1.26
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.09
WDIC (m)	0.07
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Outfall drop onto rip rap, cascades to plunge pool.



**Mason Conservation District** 

Site ID:

PI:

127Y0119

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION **GENERAL LOCATION**

#### Road Name: FS 23 Grays Harbor County: NW1/4 Section: Section: 28 22N Township:

07W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

of the FS 23/FS 2270 junction.

WGS 84, decimal degrees 47.37033 Latitude: -123.58387 Longitude:

WA state plane south (NAD 27, feet)

1,236,309 757,847 North:

Water crossing is approximately 0.7 miles east

## SF

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Range:

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

#### OWNER

US Forest Service Name: Federal Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/20/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	6.17
OHW (m)	6.40
Max Depth (m)	0.60

#### CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	2.43

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	SQSH
Material	CST
Span (m)	1.89
Rise (m)	1.42
Length (m)	18.24
Slope (%)	7.80
Bed Material	No
Outfall Drop (m)	1.12
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Water has scoured away under the culvert at the downstream end. Pipe 1.2 is on left bank.



## **Mason Conservation District**

## Site ID:

PI:

## 127Y0119

## Fish Use:

Yes

Barrier: Yes

#### **CULVERT DESCRIPTION**

2.2
SQSH
CST
1.99
1.33
18.47
2.30
No
0.42
0.00
No
2.00
No

#### **Culvert Comments:**

Water has scoured out beneath culvert at the downstream end. Pipe 2.2 is on right bank.



#### **Mason Conservation District**

Site ID:

PI:

47.37304

127Y0120

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOC	ATION
Dood Name:	2

Road Name:	2372.020
County:	Grays Harbor
1/4 Section:	NE
Section:	28
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84,	decimal degree	es
Latituda:		

Longitude:	-123.57941	
WA state plane south (NAD 27, feet)		
East:	1,237,450	
North:	758,791	

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Water crossing is approximately 0.2 miles north of the FS 2372/2372.020 junction.

#### SPECIES POTENTIAL

CCIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Tyne:	Federal

#### Site Comments: Woody debris pile

Woody debris pile on upstream end of culvert.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/18/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	7.65	
OHW (m)	5.44	
Max Depth (m)	1.24	
CHANNEL DESCRIPTION		

1.96

0.78

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.52
Rise (m)	1.53
Length (m)	15.09
Slope (%)	6.50
Bed Material	No
Outfall Drop (m)	0.66
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

127Y0121

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	2372.020
County:	Grays Harbor
1/4 Section:	SE
Section:	21

Township: 22N
Range: 07W

#### WATERBODY

 Stream:
 Anderson Cr

 Tributary To:
 Wynoochee R 22.0311

 WRIA:
 22.0309

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

#### OWNER

Name: US Forest Service
Type: Federal

#### POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.37627

 Longitude:
 -123.57842

 WA state plane south (NAD 27, feet)

East: 1,237,741

North: 759,957

#### **Location / Directions:**

Water crossing is approximately 0.45 miles north of the FS 2372/2372.020 junction.

#### Site Comments:

Abundant LWD in stream system.

#### **EVALUATION LEVEL COMPLETED**

	Report	Logged
--	--------	--------

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

	Sockeye
_	

Pink
Chum

Chum
Chinook

✓ Coho

Steelhead

Sea Run	Cutthroat
---------	-----------

✓ Resident Trout

Dolly/Bull Trout

Brook Trout

Brook Trout
Brown Trout

DIOW

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/18/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	5.42
OHW (m)	5.15
Max Depth (m)	0.97

#### CHANNEL DESCRIPTION

Toe Width (m)	2.34
Span/Toe Ratio	0.63

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.48
Rise (m)	1.54
Length (m)	15.65
Slope (%)	3.50
Bed Material	No
Outfall Drop (m)	0.96
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

3.25 meter cascade 10 meters downstream.



#### **Mason Conservation District**

Site ID:

PI:

47.37267

127Y0122

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL	LOCATION

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

#### **POSITIONAL DATA**

WGS 84, decimal de	grees
Latitude:	

Longitude:	-123.59895
WA state plane sout	h (NAD 27, feet)
East:	1,232,607
North:	758,846

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

North:

Water crossing is approximately 75 meters west of the FS 22/2270 junction.

## SPECIES POTENTIAL

LOIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/20/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.78
OHW (m)	4.06
Max Depth (m)	0.41
CHANNEL DESCRIPTION	

1.45

0.74

## **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.07
1.07
24.36
1.78
No
0.20
0.00
No
2.00
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

OHW = 2.35 meters.



#### **Mason Conservation District**

Site ID:

PI:

127Y0123

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

#### FS 22 Road Name: Grays Harbor County: NE 1/4 Section: Section: 29

22N Township: 07W Range:

#### WATERBODY

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

#### OWNER

US Forest Service Name: Federal Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.37314 Latitude: -123.60091 Longitude: WA state plane south (NAD 27, feet) 1,232,129 759,037 North:

#### **Location / Directions:**

Water crossing is approximately 0.15 miles west of the FS 22/2270 junction.

#### Site Comments:

Poorly defined stream channel upstream. Ditch drainage influence.

#### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>V</b>	Coho	Brown Trout

#### Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

5/20/2004
Haque/Schuetzler/Lutz
Yes
67
LA
UD
slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

#### CHANNEL DESCRIPTION

Toe Width (m)	1.65
Span/Toe Ratio	0.38

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.63
Rise (m)	0.63
Length (m)	11.28
Slope (%)	1.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.30
Tidegate	No

#### **Culvert Comments:**

No plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0124

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** FS 2294 Road Name: Grays Harbor County: SW 1/4 Section: 20 Section: 22N Township: 07W Range:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.37706 -123.60398 Longitude: WA state plane south (NAD 27, feet) 1,231,424 760,496 North:

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey
	Expanded Threshold Determination Downstream Check

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.25 miles north of the FS 22/2294 junction.

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### **OWNER**

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/20/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1	
RND	
CST	
0.90	
0.60	
52.58	
24.23	
No	
1.90	
0.07	
No	
17.00	
No	

#### **Culvert Comments:**

Top of culvert cut open at upstream, debris jam at upstream mouth. No toe or plunge pool measurements due to high gradient of stream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0125

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Barrier:

Yes

Yes

## SITE DESCRIPTION **GENERAL LOCATION**

#### FS 2294 Road Name: Grays Harbor County: SW 1/4 Section: Section: 20 22N Township:

07W

US Forest Service

Federal

#### POSITIONAL DATA

WGS 84, decimal degrees

47.37807 Latitude: -123.60510 Longitude: WA state plane south (NAD 27, feet) 1,231,162 760,874 North:

## S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Range:

OWNER

Name:

Type:

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

**Location / Directions:** 

Water crossing is approximately 0.35 miles north of the FS 22/2294 junction.

#### Site Comments:

Ditch drainage influence upstream. OHW = 0.35 meters.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/20/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	NG
Problem	outfall drop

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
CHANNEL DESCRI	PTION

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	15.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Outfall has scoured a large cut bank at downstream end of culvert, could not complete level A due to safety concerns. Natural point barrier 15 meters upstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0126

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** FS 2294 Road Name: Grays Harbor County: SW 1/4 Section: Section: 20 22N Township:

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.37902 Latitude: -123.60527 Longitude: WA state plane south (NAD 27, feet) 1,231,135 761,220 North:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.40 miles north of the FS 22/2294 junction.

PECIES POTENTIA	AL .
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Stoolboad	

#### **OWNER**

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/20/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
0.65		

1.09

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.71
Rise (m)	0.84
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.28
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Long chute on downstream end. No shots taken due to chute (approximately 30 meters long). Outfall onto series of cascades; no plunge pool. OHW = 0.65 meters.



**Mason Conservation District** 

Site ID: 127Y0127 Fish Use: PI: Barrier:

No

SITE DESCR	IPTION					
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	FS 2294	WGS 84, decimal degrees		Report Logged		d
County:	Grays Harbor	Latitude:	47.38056	<b>✓</b>	Field Review	
1/4 Section:	SW	Longitude:	-123.60561		Threshold Det	termination
Section:	20	WA state plane south	n (NAD 27, feet)		Expanded Thr	reshold Determination
Township:	22N	East:	1,231,071		Downstream (	Check
Range:	07W	North:	761,787		Physical Surve	ey
WATERBODY		Location / Direction	s:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.5 miles north		Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of the FS 22/2294 junction.			Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No				Chinook	Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho	Brown Trout
OWNER		Gradient barrier; 23% gradient upstream. Level A not completed due to no habitat gain		✓ Coho ☐ Brown Trout ☐ Steelhead	Blown frout	
Name:	US Forest Service	upstream.				
Туре:	Federal					
LEVEL A AN	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT	GAIN
Review Date:	5/20/2004	Length (m)		Survey '	Type:	
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCRI	PTION	Rearing		
Method				rtoaring	(~~111)	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.90
0.90
No
0.00
0.00
No
20.00
No

#### **Culvert Comments:**

Woody debris covering upstream end of culvert.



**Mason Conservation District** 

Site ID:

PI:

127Y0128

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: FS 2294 County: Grays Harbor 1/4 Section: SW Section: 8 Township: 22N

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.40341

Longitude: -123.60397

WA state plane south (NAD 27, feet)

East: 1,231,806

North: 770,100

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

unnamed
Scatter Cr 22.0320
22.0000
Yes
Physical

#### **Location / Directions:**

Water crossing is approximately 75 meters north of the FS 2294/2294.26 junction.

Site Comments:

#### SPECIES POTENTIAL

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.77	
OHW (m)	0.58	
Max Depth (m)	5.48	
CHANNEL DESCRIPTION		

0.93

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.76
Length (m)	12.13
Slope (%)	2.00
Bed Material	No
Outfall Drop (m)	0.03
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio

OHW= 1.86 meters. Pipe 1.2 is on right bank.



## **Mason Conservation District**

## Site ID:

PI:

## 127Y0128

Fish Use:

Barrier:

Yes Yes

#### **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.77
Length (m)	12.27
Slope (%)	0.37
Bed Material	No
Outfall Drop (m)	0.21
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Pipe 2.2 is on left bank.



22.0320

Mapped

US Forest Service

Federal

#### **Mason Conservation District**

Site ID:

PI:

127Y0129

Fish Use: Barrier:

Yes

Yes

## SITE DESCRIPTION

#### **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2294 WGS 84, decimal degrees Road Name: Grays Harbor 47.41304 County: Latitude: -123.60593 NWLongitude: 1/4 Section: Section: 8 WA state plane south (NAD 27, feet) 22N Township: 1,231,459 07W Range: 773,629 North: WATERBODY **Location / Directions:** Scatter Cr Stream: Water crossing is approximately 0.45 miles Tributary To: Wynoochee R 22.0311

north of the FS 2294/2294.30 junction.

Site	Com	ments
------	-----	-------

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL				
	Sockeye	Sea Run Cutthroa		
	Pink	Resident Trout		
	Chum	Dolly/Bull Trout		
	Chinook	Brook Trout		
<b>~</b>	Coho	Brown Trout		
	Steelhead			

#### **LEVEL A ANALYSIS**

WRIA:

Fish Use: FUP Criteria:

OWNER

Name:

Type:

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	6.08	

0.71

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	4.33
Rise (m)	2.99
Length (m)	21.43
Slope (%)	6.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	6.00
Tidegate	No

## **Culvert Comments:**

Span/Toe Ratio

No plunge pool, stream flows directly into riffles at downstream end. Downstream end of culvert, beveled. OHW = 7.15 meters.



**Mason Conservation District** 

Site ID:

PI:

127Y0130

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: FS 2294 County: Grays Harbor 1/4 Section: NW Section: 8 Township: 22N

07W

## POSITIONAL DATA

WGS 84, decimal degrees

Latitude:	47.41455	
Longitude:	-123.60162	
WA state plane south (NAD 27, feet)		
East:	1,232,546	
No wth.	774 138	

#### EVALUATION LEVEL COMPLETED

$\square$	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Scatter Cr 22.0320
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### Location / Directions:

Water crossing is approximately 0.1 miles northeast of the FS 2294/2294.32 junction.

Site	Comments:

#### SPECIES POTENTIAL

PECIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.78	
OHW (m)	2.77	
Max Depth (m)	0.37	
CHANNEL DESCRIPTION		

3.40

0.27

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	11.85
Slope (%)	4.90
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

# Culvert Comments:

Toe Width (m)

Span/Toe Ratio

OHW = 4.05 meters.



#### **Mason Conservation District**

Site ID:

PI:

-123.59949

127Y0131

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2294	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	5	
Township:	22N	

07W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

of the FS 2294/2294.34 junction.

flows through ditch to culvert.

Longitude:

WGS 84, decimal degrees	
Latitude:	47.41779

WA state plane south (NAD 27, feet)

1,233,121 775,296 North:

Water crossing is approximately 0.2 miles north

Upstream channel has been diverted and now

## SI

PECIES	S POTENTIAL		
	Sockeye	<b>~</b>	Sea Run Cutthroat
	Pink	<b>~</b>	Resident Trout
	Chum		Dolly/Bull Trout
	Chinook		Brook Trout
<b>✓</b>	Coho		Brown Trout
	Steelhead		

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Beaver Cr 22.0321
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.47
OHW (m)	1.56
Max Depth (m)	0.29

#### CHANNEL DESCRIPTION

Toe Width (m)	0.89
Span/Toe Ratio	0.84

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.75
Length (m)	12.48
Slope (%)	6.90
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

OHW = 1.0 meters.



Site ID:

127Y0132

Fish Use: Barrier:

Yes Unk

#### PI: **Mason Conservation District**

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SE
Section:	5
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees Latitude: 47.42315 -123.59700 Longitude: WA state plane south (NAD 27, feet) 1,233,813 777,227 North:

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	Beaver Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0321
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:

to no habitat gain.

Water crossing is approximately 0.6 miles north of the FS 2294/2294.34 junction.

Natural point barrier (4.3 meters vertical))

upstream of culvert, level A not completed due

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### **OWNER**

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

5/25/2004
Haque/Lutz
Unk
NG

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	3.45
Rise (m)	2.17
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.41
WDIC (m)	0.08
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

Outfall onto large boulders. Pipe beveled upstream and downstream.



**Mason Conservation District** 

Site ID:

PI:

127Y0133

Fish Use:

Barrier:

Yes Yes

# SITE DESCRIPTION

# GENERAL LOCATION Road Name: FS 2294

 County:
 Grays Harbor

 1/4 Section:
 SW

 Section:
 33

 Township:
 23N

 Range:
 07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.43487

Longitude: -123.58378

WA state plane south (NAD 27, feet)

East: 1,237,251

North: 781,371

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Wynoochee R 22.0311

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### **Location / Directions:**

Water crossing is approximately 25 meters south of the FS 2294/2294.400 junction

Site Comments:

#### SPECIES POTENTIAL

LOIL	.51 OILNIIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

#### OWNER

Name: US Forest Service
Type: Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.38	

0.55

#### POTENTIAL HABITAT GAIN

Steelhead

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.76
0.76
12.30
4.50
No
0.00
0.08
No
1.50
No

## Culvert Comments:

Span/Toe Ratio

Culvert backwatered by downstream wetland, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0134

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

# Road Name: FS 2294 County: Grays Harbor 1/4 Section: SW Section: 33 Township: 23N Range: 07W

unnamed

Wynoochee R 22.0311

22.0000

Physical

US Forest Service

Federal

#### **POSITIONAL DATA**

 WGS 84, decimal degrees

 Latitude:
 47.43592

 Longitude:
 -123.58334

WA state plane south (NAD 27, feet)

East: 1,237,375

North: 781,748

#### Location / Directions:

Water crossing is approximately 75 meters north of the FS 2294/2294.400 junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check
Physical Survey

#### SPECIES POTENTIAL

PECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

# LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.43
Rise (m)	0.46
Length (m)	12.30
Slope (%)	1.88
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.24
Apron	No
Fill Depth (m)	1.30
Tidegate	No

#### **Culvert Comments:**

Stream has been diverted 50 meters upstream to ditch and flows to both culverts 127Y0281 and 127Y0280. Wetland habitat downstream of culvert, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0135

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 2294	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	33	

 Section:
 33

 Township:
 23N

 Range:
 07W

#### WATERBODY

 Stream:
 Trout Cr

 Tributary To:
 Wynoochee R 22.0311

 WRIA:
 22.0324

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### OWNER

Name: US Forest Service
Type: Federal

#### POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.44065 Longitude: -123.58177

WA state plane south (NAD 27, feet)

East: 1,237,829

North: 783,458

#### **Location / Directions:**

Water crossing is approximately 40 meters south of the FS 2294/2275 junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report	Logged
--	--------	--------

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Ш	Sockeye

Pink

Chum

☐ Chinook ☐ Coho

✓ Coho✓ Steelhead

Brook Trout
Brown Trout

✓ Sea Run Cutthroat

Dolly/Bull Trout

Resident Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	6.40
OHW (m)	12.23
Max Depth (m)	1.15

#### CHANNEL DESCRIPTION

Toe Width (m)	6.66
Span/Toe Ratio	0.40

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.69
Rise (m)	2.77
Length (m)	24.13
Slope (%)	4.80
Bed Material	No
Outfall Drop (m)	1.20
WDIC (m)	0.25
Apron	DS
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**

Cement retaining walls surrounding upstream and downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0136

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2294	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	33	
Township:	23N	

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.44114

 Longitude:
 -123.58188

 WA state plane south (NAD 27, feet)

 East:
 1,237,810

 North:
 783,637

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Water crossing is approximately 25 meters northwest of the 2294/2275 junction.

Site	Comments:

#### SPECIES POTENTIAL

PECIES	POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
F	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>V</b>	Coho	Brown Trout
<b>V</b> 5	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.57	

1.30

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	15.22
Slope (%)	11.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Stream flows along ditch downstream of culvert. No plunge pool, stream flows subsurface 1 meter downstream of culvert.



#### **Mason Conservation District**

Site ID:

PI:

-123.57160

127Y0137

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2275.100
County:	Grays Harbor
1/4 Section:	NE
Section:	33
Township:	23N
Range:	07W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

of the 2275/2275.100 junction.

Longitude:

WGS 84, decimal de	egrees
Latitude:	47.44030

WA state plane south	(NAD 27, feet)
· _	,

Tiri diato piano dodin (Tirib 21) 1001)	
East:	1,240,340
North:	783,233

Water crossing is approximately 0.55 miles east

# s

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
<b>V</b>	Steelhead	

#### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
Yes
Physical

# OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.80
OHW (m)	3.35
Max Depth (m)	1.14

#### CHANNEL DESCRIPTION

Toe Width (m)	2.44
Span/Toe Ratio	0.74

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.80
1.79
24.03
6.40
No
1.10
0.00
No
2.50
No



#### **Mason Conservation District**

Site ID:

PI:

127Y0138

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Unk

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** FS 2275 Road Name: Grays Harbor County: NE 1/4 Section: Section: 33 23N Township:

07W

US Forest Service

Federal

#### **POSITIONAL DATA**

**Location / Directions:** 

WGS 84, decimal degrees	
Latitude:	47.44122
Longitude:	-123.57773

WA state plane south (NAD 27, feet)

1,238,838 783,624 North:

Water crossing is approximately 75 meters

northeast of the 2275/2275.100 junction.

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Range:

**OWNER** 

Name:

Type:

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

Site Comments:

Poorly defined stream channel, no toe or OHW measurement available.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.78
OHW (m)	1.64
Max Depth (m)	0.21

#### CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.60
11.33
3.90
No
0.00
0.14
No
1.00
No

#### **Culvert Comments:**

Braiding and LWD downstream.



**Mason Conservation District** 

Site ID:

PI:

783,907

127Y0139

Fish Use:

Barrier:

Yes

Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2275
County:	Grays Harbor
1/4 Section:	NE
Section:	33
Township:	23N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.44204	
Longitude:	-123.57605	
WA state plane south (NAD 27, feet)		
East:	1,239,265	

#### **EVALUATION LEVEL COMPLETED**

L		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

North:

Water crossing is approximately 0.15 miles northeast of the FS 2275/2275.100 junction.

#### Site Comments:

PECIES P	OTENTIAL	
Sc	ockeye	Sea Run Cutthroa
Pi	nk	✓ Resident Trout
Ch	num	Dolly/Bull Trout
Cr	ninook	Brook Trout
<b>✓</b> Co	oho	Brown Trout
☐ St	eelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.17
OHW (m)	2.59
Max Depth (m)	0.84
CHANNEL DESCRIPTION	

0.42

#### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.59
Length (m)	12.48
Slope (%)	8.80
Bed Material	No
Outfall Drop (m)	0.74
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

127Y0140

Fish Use:

Yes Unk

# Barrier:

# SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2275
County:	Grays Harbor
1/4 Section:	NE
Section:	33
Township:	23N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.44565	
Longitude:	-123.56971	
WA state plane south (NAD 27, feet)		
East:	1,240,884	
North:	785,162	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

habitat.

Water crossing is approximately 0.55 miles northeast of the 2275/2275.100 junction.

Gradient barrier upstream of culvert. Did not

complete level A survey due to no gain for

PECIE	3 FUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service	
Type:	Federal	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2004		
Field Crew:	Haque/Lutz		
Barrier	Unk		
Passability (%)			
Method	OT		
Repair Status	NG		
Problem			

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.49
Rise (m)	1.51
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Culvert is beveled on both ends.



## **Mason Conservation District**

Site ID:

127Y0141

Fish Use:

Yes

PI:

Barrier: Unk

SITE	DES	CRII	PTIC	N
GENE	RAL L	ОСАТ	ION	

# Road Name: FS 2275 County: Grays Harbor 1/4 Section: NW

 Section:
 27

 Township:
 23N

Township: 23N
Range: 07W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 WF Wynoochee 22.0326

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### OWNER

Name: US Forest Service

Type: Federal

#### POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.45430

 Longitude:
 -123.56330

 WA state plane south (NAD 27, feet)

East: 1,242,591

North: 788,256

#### **Location / Directions:**

Water crossing is approximately 1.25 miles northeast of the FS 2275/2275.100 junction.

#### Site Comments:

Natural point barrier (8 meters) upstream of culvert. Did not complete level A survey due to no gain for habitat.

#### **EVALUATION LEVEL COMPLETED**

Report Logge	d
--------------	---

Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye

Pink

Chum

Chinook

Coho
Steelhead

/	Sea	Run	Cutthroat
•	Ou		Cattinoat

✓ Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)

Span/Toe Ratio

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
SQSH
CST
2.73
1.90
No
0.12
No
No

#### **Culvert Comments:**

Upstream end beveled.



**Mason Conservation District** 

Site ID:

PI:

127Y0142

Fish Use: Barrier:

Yes

Unk

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	23N
Range:	07W

#### WATERBODY

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **POSITIONAL DATA**

ecimal degrees

Latitude:	47.44415	
Longitude:	-123.59176	
WA state plane south (NAD 27, feet)		
East:	1,235,409	
North:	784,829	

#### **Location / Directions:**

Water crossing is approximately 0.7 miles northeast of the FS 22.94/2294.460 junction.

#### Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
CHANNEL DESCR	. 11014	
Toe Width (m)		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.51
Rise (m)	1.52
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.50
Tidegate	No



#### **Mason Conservation District**

Site ID:

127Y0143

Fish Use:

Barrier:

Yes Unk

PI:

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	23N
Range:	07W

#### WATERBODY

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **OWNER**

Name:	US Forest Service
Type:	Federal

#### **POSITIONAL DATA**

ecimal degrees

Latitude:	47.44421	
Longitude:	-123.59200	
WA state plane south (NAD 27, feet)		
East:	1,235,350	
North:	784,853	

#### **Location / Directions:**

Water crossing is approximately 0.65 miles east of the FS 2294/2294.460 junction.

#### Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat. Confluence with Trout Creek 25 meters downstream.

#### **EVALUATION LEVEL COMPLETED**

ninatior

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.05	
OHW (m)	2.97	
Max Depth (m)	0.58	
CHANNEL DESCRIPTION		

Toe Width (m)	1.85
Span/Toe Ratio	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.25
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.40
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Outfall drop onto series of cascades, then forms a plunge pool. Both ends of culvert beveled.



## **Mason Conservation District**

Site ID: 12

PI:

127Y0144

Fish Use:

No

Barrier: Unk

SITE	DESCRIP'	TION
	DEGUINII	11011

# GENERAL LOCATION Road Name: FS 2294 County: Grays Harbor 1/4 Section: NE Section: 32 Township: 23N

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.44395

 Longitude:
 -123.60006

 WA state plane south (NAD 27, feet)

 East:
 1,233,355

 North:
 784,838

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

habitat.

Water crossing is approximately 0.3 miles northeast of the 2294/2294.460 junction.

Gradient barrier upstream of culvert. Did not

complete level A survey due to no gain for

#### SPECIES POTENTIAL

FLUIL	SPOILNIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	
Span/Toe Ratio	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.10
Rise (m)	1.05
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.00
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0145

Fish Use:

Yes

Barrier: Unk

## SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	23N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.44368	
Longitude:	-123.60128	
WA state plane south (NAD 27, feet)		
East:	1,233,050	
North:	784,750	

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.25 miles northeast of the 2294/2294.460 junction

Gradient barrier upstream of culvert. Level A

not completed due to no habitat gain. Trout Creek confluence 25 meters downstream.

#### SPECIES POTENTIAL

OFECIES FOTENTIAL		
Sockeye	Sea Run Cutthroa	
Pink	Resident Trout	
Chum	Dolly/Bull Trout	
Chinook	Brook Trout	
<b>✓</b> Coho	Brown Trout	
Steelhead		

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.60
Tidegate	No

#### **Culvert Comments:**

Downstream end of culvert is deformed.



**Mason Conservation District** 

Site ID:

PI:

127Y0146

Fish Use: Barrier:

Yes Unk

## SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NW
Section:	32
Township:	23N
Range:	07W

#### WATERBODY

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### OWNER

Name:	US Forest Service
Туре:	Federal

#### **POSITIONAL DATA**

WGS 84	decimal	degree
--------	---------	--------

Latitude:	47.44317	
Longitude:	-123.60362	
WA state plane south (NAD 27, feet)		
East:	1,232,464	
North:	784,587	

#### **Location / Directions:**

Water crossing is approximately 0.15 miles northeast of the 2294/2294.460 junction.

#### Site Comments:

Gradient barrier upstream. Level A not completed due to no habitat gain.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES	POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	
Toe Width (m) Span/Toe Ratio	

#### POTENTIAL HABITAT GAIN

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.10
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID: 127Y0147 Fish Use: PI:

No

Barrier:

#### SITE DESCRIPTION

#### **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2294 Report Logged WGS 84, decimal degrees Road Name: Field Review Grays Harbor 47.44307 County: Latitude: -123.60372 Threshold Determination NWLongitude: 1/4 Section: **Expanded Threshold Determination** Section: 32 WA state plane south (NAD 27, feet) Downstream Check 23N Township: 1,232,436 Physical Survey 07W Range: 784,551 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.1 miles Sockeye Sea Run Cutthroat northeast of the 2294/2294.460 junction. Tributary To: Trout Cr 22.0324 Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.4 meters. OWNER Steelhead US Forest Service Name: Federal Type:

#### **LEVEL A ANALYSIS**

SUMMARY INFOR	MATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	5/26/2004	Length (m)	Survey Type:
Field Crew:	Haque/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

### **CULVERT DESCRIPTION**

1.1
RND
CST
0.90
0.80
No
0.06
No
1.00
No



#### **Mason Conservation District**

Site ID:

PI:

127Y0148

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name: Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION		
Road Name:	FS 2294	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	32	
Township:	23N	
Range:	07W	

Trout Cr

Wynoochee R 22.0311

22.0324

Physical

US Forest Service

#### POSITIONAL DATA

WGS 84, decimal de	gree
Latitude:	

Latitude:	47.44205		
Longitude:	-123.60541		
WA state plane south (NAD 27, feet)			
East:	1,232,005		

784,196

## North: **Location / Directions:**

Water crossing is approximately 40 meters north of the 2294/2294.460 junction.

#### Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination

- **Expanded Threshold Determination**
- Downstream Check Physical Survey

ECIE	SPOTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## **LEVEL A ANALYSIS SUMMARY INFORMATION**

Review Date:	5/26/2004		
Field Crew:	Haque/Lutz		
Barrier	Yes		
Passability (%)	33		
Method	LA		
Repair Status	UD		
Problem	outfall drop, slope		

#### PLUNGE POOL DESCRIPTION

Length (m)	10.15		
OHW (m)	12.35		
Max Depth (m)	1.20		
CHANNEL DESCRIPTION			

OHANNEL DECOKII HON			
Toe Width (m)	3.60		
Span/Toe Ratio	1.14		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	4.09
Rise (m)	2.92
Length (m)	22.04
Slope (%)	8.08
Bed Material	No
Outfall Drop (m)	0.75
WDIC (m)	0.13
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Culvert is beveled on both ends. OHW = 6.0



**Mason Conservation District** 

Site ID:

PI:

-123.60524

127Y0149

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

#### **GENERAL LOCATION** FS 2294 Road Name: Grays Harbor County: NW1/4 Section: Section: 32 23N Township: 07W Range:

unnamed

Trout Cr 22.0324

22.0000

Physical

**US Forest Service** 

Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees 47.44186 Latitude:

Longitude: WA state plane south (NAD 27, feet)

1,232,044 784,126 North:

#### **Location / Directions:**

Water crossing is approximately 25 meters east of the 2294/2294.460 junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### **SPECIES POTENTIAL**

	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

<b>✓</b>	Col	

hο	hc	

## Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	2.38
Rise (m)	1.59
Length (m)	21.19
Slope (%)	9.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

OHW, toe and plunge pool measurements unavailable due to confluence with Trout Creek immediately downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0150

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 2294.460
County:	Grays Harbor
1/4 Section:	NW
Section:	32
Township:	23N

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

	-	
Latitude:	47.44142	
Longitude:	-123.60711	
WA state plane south (NAD 27, feet)		
East:	1,231,576	
North:	783,985	

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Trout Cr 22.0324
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Water crossing is approximately 0.10 miles west of FS 2294.460/2294 junction.

Site	Comments:

#### SPECIES POTENTIAI

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.50	
OHW (m)	2.90	
Max Depth (m)	0.67	
CHANNEL DESCRIPTION		

2.70

0.19

#### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.50
Rise (m)	1.05
Length (m)	12.29
Slope (%)	3.20
Bed Material	Yes
Outfall Drop (m)	0.60
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.20
Tidegate	No

# Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Stream dry at time of sample, level B evaluation not applicable.



#### **Mason Conservation District**

Site ID:

127Y0151

Fish Use:

Yes

PI: Barrier: Unk

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

TE			

GENERAL LOCATION			
Road Name:	FS 2294		
County:	Grays Harbor		
1/4 Section:	NW		
Section:	32		
Township:	23N		
Range:	07W		

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

Longitude:

WGS 84, decimal degrees 47.44150 Latitude: -123.60175

WA state plane south (NAD 27, feet)

of the FS 2294/2294.460 junction.

East: 1,232,902 783,959 North:

Water crossing is approximately 0.2 miles east

Gradient barrier upstream of culvert. Level A

analysis not completed due to no habitat gain.

# SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

unnamed Stream: Tributary To: Trout Cr 22.0324 WRIA: 22.0000 Fish Use: Yes FUP Criteria: Physical

## OWNER

US Forest Service Name: Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

PTION
PTION

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.82
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.05
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**

Upstream end of culvert deformed.



**Mason Conservation District** 

Site ID:

PI:

127Y0152

Fish Use:

Yes

Barrier: Unk

SITE	DESCRIP'	TION
	DEGUINII	11011

#### **GENERAL LOCATION** FS 2294 Road Name: Grays Harbor County: NE 1/4 Section: 32 Section: 23N Township:

07W

# WATERBODY

Range:

unnamed
Trout Cr 22.0324
22.0000
Yes
Physical

#### OWNER

Name:	US Forest Service	
Туре:	Federal	

#### **POSITIONAL DATA**

WGS 84,	decimal	degree
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Latitude:	47.44159		
Longitude:	-123.59960		
WA state plane south (NAD 27, feet)			
East:	1,233,434		
North:	783,971		

#### **Location / Directions:**

Water crossing is approximately 0.3 miles east of the FS2294/2294.460 junction.

#### Site Comments:

Gradient barrier upstream of culvert. Level A analysis not completed due to no habitat gain.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Snan/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.74
0.74
No
No
0.40
No



**Mason Conservation District** 

Site ID:

PI:

127Y0153

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GEN	ERAL	LOC	ATIO	4

Road Name:	FS 2294.100
County:	Grays Harbor
1/4 Section:	SW
Section:	17
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

WGS 84, decimal degrees		
Latitude:	47.39003	
Longitude:	-123.61131	

WA state plane south (NAD 27, feet)

East:	1,229,797
North:	765,295

Water crossing is approximately 0.1 miles northwest of the FS 2294/2294.100 junction.

## s

PECIES	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Stream:	unnamed
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0318
Fish Use:	Yes
FUP Criteria:	Physical

# OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	7.20
OHW (m)	3.68
Max Depth (m)	0.77

#### CHANNEL DESCRIPTION

Toe Width (m)	4.02
Span/Toe Ratio	0.23

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.92
Rise (m)	0.92
Length (m)	39.51
Slope (%)	4.30
Bed Material	No
Outfall Drop (m)	0.46
WDIC (m)	0.01
Apron	No
Fill Depth (m)	8.00
Tidegate	No

#### **Culvert Comments:**

OHW = 4.0 meters.



## **Mason Conservation District**

Site ID:

PI:

765,596

127Y0154

Fish Use:

Yes

Barrier: Unk

## SITE DESCRIPTION **GENERAL LOCATION**

#### FS 2294.100 Road Name: Grays Harbor County: 1/4 Section: SE Section: 18

22N Township: 07W Range:

#### WATERBODY

Stream: unnamed Tributary To: Wynoochee R 22.0311 WRIA: 22.0318 Fish Use: Yes FUP Criteria: Physical

#### OWNER

**US Forest Service** Name: Federal Type:

#### POSITIONAL DATA

WGS 84, decimal degrees

47.39081 Latitude: -123.61325 Longitude:

WA state plane south (NAD 27, feet) 1,229,328

#### **Location / Directions:**

North:

Water crossing is approximately 0.2 miles northwest of the FS 2294.100/2294 junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

		Report	Logged
--	--	--------	--------

Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

	Sockeye
_	

Pink

Chum

Resident Trout Dolly/Bull Trout

✓ Sea Run Cutthroat

**Brook Trout** 

Chinook

Coho

Brown Trout

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	8.66
OHW (m)	4.78
Max Depth (m)	0.52
wax Deptii (iii)	0.02

#### CHANNEL DESCRIPTION

Toe Width (m)	0.66
Span/Toe Ratio	0.92

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CAL
0.61
0.62
12.03
0.00
No
0.00
0.09
No
0.50
No

#### **Culvert Comments:**

Site backwatered by downstream beaver pond, level B not applicable. Culvert appears to function adequately



**Mason Conservation District** 

Site ID:

PI:

766,039

127Y0155

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.100
County:	Grays Harbor
1/4 Section:	SE
Section:	18
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

North:

WGS 84, decimal degrees		
Latitude:	47.39199	
Longitude:	-123.61463	
WA state plane south (NAD 27, feet)		
East:	1,229,003	

Water crossing is approximately 0.3 miles northwest of the FS 2294.100/2294 junction.

SPECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0318
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER	
Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	6.73
Max Depth (m)	1.10

#### CHANNEL DESCRIPTION

Toe Width (m)	1.46
Span/Toe Ratio	0.95

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.39
Rise (m)	1.36
Length (m)	15.40
Slope (%)	2.40
Bed Material	No
Outfall Drop (m)	1.92
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.30
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0156

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.130
County:	Grays Harbor
1/4 Section:	NW
Section:	18
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

Site Comments:

Latitude:	47.40083
Longitude:	-123.62358
WA state plane south (NAD 27, feet)	
East:	1,226,917
North:	769,351

Water crossing is approximately 0.6 miles north of the FS 2294.130/ 2294.100 junction.

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Stoolboad	

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

## OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.44
OHW (m)	1.55
Max Depth (m)	0.33

#### CHANNEL DESCRIPTION

Toe Width (m)	1.13
Span/Toe Ratio	0.81

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	14.03
Slope (%)	12.20
Bed Material	No
Outfall Drop (m)	0.07
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Series of cascades downstream of culvert.



**Mason Conservation District** 

Site ID:

PI:

127Y0157

Fish Use:

No

Barrier:

SITE DESCRIPTION	١
GENERAL LOCATION	

# Road Name: FS 2294.130 County: Grays Harbor 1/4 Section: SW Section: 7

Township: 22N
Range: 07W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Big Cr 22.0312

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

#### OWNER

Name: US Forest Service
Type: Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.40334

 Longitude:
 -123.62412

 WA state plane south (NAD 27, feet)

 East:
 1,226,819

 North:
 770,269

#### **Location / Directions:**

Water crossing is approximately 0.2 miles north of the FS 2294.130/2294.100 junction.

#### Site Comments:

Gradient is 29%, gradient barrier.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

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

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	5.24		
OHW (m)	4.56		
Max Depth (m)	0.65		
CHANNEL DESCRIPTION			

#### CHANNEL DESCRIPTION

Toe Width (m)	1.34		
Span/Toe Ratio	1.10		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.40
1.36
0.87
0.07
No
8.00
No



**Mason Conservation District** 

Site ID:	127Y0158	Fish Use:	No
PI:		Barrier:	

SITE DESCRI	IPTION						
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	FS 2294.130	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.40878	<b>✓</b>	Field Review		
1/4 Section:	SE	Longitude:	-123.61746		Threshold Determination		
Section:	7	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination		
Township:	22N	East:	1,228,546		Downstream Check		
Range:	07W	North:	772,189		Physical Survey		
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL		
Stream:	unnamed	Water crossing is an	proximately 0.9 miles north	JF E CIL	Sockeye Sea Run Cutthroat		
Tributary To:	Scatter Cr 22.0320	of the FS 2294.130/			Pink Resident Trout		
WRIA:	22.0000				Chum Dolly/Bull Trout		
Fish Use:	No	0.4			Chinook Brook Trout		
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout		
OWNER		Gradient barrier.			Steelhead		
Name:	US Forest Service						
Type:	Federal						
LEVEL A ANA	ALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN		
Review Date:	6/1/2004	Length (m)		Survey	Туре:		
Field Crew:	Blatt/Schuetzler/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawnii	ng (sq m)		
Passability (%)		CHANNEL DESCRIPTION		Rearing	(sq m)		
Method			-				
Repair Status		Toe Width (m)					
Problem		Span/Toe Ratio					

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.08
Rise (m)	1.05
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	
Apron	No
Fill Depth (m)	8.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0159

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

**Expanded Threshold Determination** 

Report Logged Field Review Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.100
County:	Grays Harbor
1/4 Section:	SE
Section:	18
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.39311	
Longitude:	-123.61953	
WA state plane south (NAD 27 feet)		

WA state plane south (NAD 21, leet)	
East:	1,227,808
North:	766,496

## Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0318
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### Location / Directions:

Water crossing is approximately 0.1 miles southwest of the FS 2294.100/2294.130 junction.

Site Comments:	Site	Comments:
----------------	------	-----------

#### SPECIES POTENTIAL

FLCIL	SPOILNIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

6/1/2004
Blatt/Schuetzler/Lutz
Yes
67
LA
UD
slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.30	
OHW (m)	2.09	
Max Depth (m)	0.36	
CHANNEL DESCRIPTION		

Toe Width (m)	0.72
Span/Toe Ratio	0.85

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.61
0.61
9.49
2.20
No
0.00
0.01
No
1.00
No



#### **Mason Conservation District**

Site ID:

PI:

47.39230

127Y0160

Fish Use:

Yes

Barrier: Yes

# SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.100
County:	Grays Harbor
1/4 Section:	SE
Section:	18
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal de	gree
Latitude:	

Longitude:	-123.62025	
WA state plane south (NAD 27, feet)		
East:	1,227,616	
North:	766,210	

# **EVALUATION LEVEL COMPLETED**

L		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0318
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### Location / Directions:

Site Comments: OHW = 0.65 meters.

Water crossing is approximately 0.15 miles southwest of the FS 2294.100/2294.130 junction.

PECIES	POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.33	
OHW (m)	2.51	
Max Depth (m)	0.36	
CHANNEL DESCRIPTION		

0.65

0.95

#### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
0.62
0.62
12.07
3.70
Yes
0.00
0.21
No
0.50
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

766,063

127Y0161

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.100
County:	Grays Harbor
1/4 Section:	SE
Section:	18
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees				
Latitude: 47.39189				
Longitude: -123.62049				
WA state plane south (NAD 27, feet)				
East: 1,227,552				

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0318
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Water crossing is approximately 0.2 miles southwest of the FS 2294.100/2294.130 junction.

Wetland habitat upstream and downstream.

PECIES F	OTENTIAL	
Sc	ockeye	Sea Run Cutthroa
Pi	nk	✓ Resident Trout
CI	num	Dolly/Bull Trout
CI	ninook	Brook Trout
✓ Co	oho	Brown Trout
☐ St	eelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### OHW = 0.6 meters.

Site Comments:

North:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.10		
OHW (m)	1.80		
Max Depth (m)	0.20		
CHANNEL DESCRIPTION			

0.55

1.02

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.56
Rise (m)	0.56
Length (m)	9.20
Slope (%)	0.60
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.17
Apron	No
Fill Depth (m)	0.50
Tidegate	No

## **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

Level B not applicable due to wetland/backwatering downstream. Fallen tree over downstream end of culvert.



**Mason Conservation District** 

Site ID: **127Y0162** 

PI:

Fish Use:

No

Barrier:

SITE	DESCRIPTION
O: : E	DECOMMINION

GENERAL LOCATION		POSITIONAL DATA		<b>EVALUATION LEVEL COMPLETED</b>			
Road Name:	FS 2294.100	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.38313	<b>✓</b>	Field Review		
1/4 Section:	NW	Longitude: -123.62600			Threshold Determination		
Section:	19	WA state plane sou		Expanded Threshold Determinatio			
Township:	22N	East: 1,226,061			Downstream Check		
Range:	07W	North: 762,921			Physical Sur	rvey	
WATERBODY Location / Directions:			ns:	SPECIE	S POTENTIA	u .	
Stream:	unnamed	Water crossing is approximately 0.8 miles south of the FS 2294.100/2294.110 junction.			Sockeye	Sea Run Cutthi	
Tributary To:	Big Cr 22.0312				Pink	Resident Trout	
WRIA:	22.0000				I IIIK	Resident Hout	

= 0.45 meters.

FUP Criteria:
OWNER

Fish Use:

Name:	US Forest Service
Tyne:	Federal

Physical

**Site Comments:**Perennials growing throughout channel. OHW

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolbood	Blown Hout

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.37	
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.62
Rise (m)	0.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.50
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0163

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** FS 2294.150 Road Name: Grays Harbor County: NW1/4 Section: Section: 19 22N Township:

07W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

WGS 84, decimal degrees 47.38233 Latitude:

-123.62714 Longitude: WA state plane south (NAD 27, feet)

1,225,767 762,641 North:

Water crossing is approximately 80 meters

north of the FS 2294.150/2294.100 junction.

## SP

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>V</b>	Steelhead	

#### WATERBODY

Range:

Stream: unnamed Tributary To: Big Cr 22.0312 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

#### OWNER

US Forest Service Name: Federal Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	6.13
OHW (m)	2.75
Max Depth (m)	0.34
CHANNEL DESCRIPTION	

Toe Width (m)	1.60
Span/Toe Ratio	0.96

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	0.90
Rise (m)	0.90
Length (m)	11.82
Slope (%)	2.80
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Pipe 1.2 is on right bank.



# **Mason Conservation District**

# Site ID:

PI:

## 127Y0163

# Fish Use:

Yes

Barrier: Yes

#### **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.63
Length (m)	10.87
Slope (%)	5.60
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Pipe 2.2 is on left bank.



**Mason Conservation District** 

Site ID:

PI:

127Y0164

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.150
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.38263	
Longitude:	-123.62730	
WA state plane south (NAD 27, feet)		
East:	1,225,733	
North:	762 752	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Water crossing is approximately 100 meters north of the FS 2294.100/2294.150 junction.

# Site Comments:

#### SPECIES POTENTIAL

SPECIES POTENTI	AL
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
✓ Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	3.90
Max Depth (m)	1.18
CHANNEL DESCRIPTION	

0.97

0.95

#### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.93
Length (m)	11.89
Slope (%)	6.80
Bed Material	No
Outfall Drop (m)	0.44
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### Culvert Comments:

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID: 127Y0165 Fish Use: No PI: Barrier:

SITE DESCRI	IPTION					
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	FS 2294.150	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.39169	<b>✓</b>	Field Review	
1/4 Section:	SE	Longitude:	-123.63630		Threshold De	etermination
Section:	13	WA state plane south	(NAD 27, feet)		Expanded Th	reshold Determination
Township:	22N	East:	1,223,636		Downstream	Check
Range:	W80	North:	766,142		Physical Surv	vey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIA	•
Stream:	unnamed	Water crossing is app	proximately 0.8 miles north	3FEGIL	Sockeye	Sea Run Cutthroat
Tributary To:	Big Cr 22.0312	of the FS 2294.150/2			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout Brown Trout
OWNER		OHW = 0.45 meters.		Coho Brown Trout Steelhead		Brown Frout
Name:	US Forest Service				Cicomoda	
Type:	Federal					
LEVEL A ANA	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DES	CRIPTION	POTEN	TIAL HABITA	T GAIN
Review Date:	6/1/2004	Length (m)		Survey	Туре:	
Field Crew:	Blatt/Schuetzler/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)		] ' ' ' '	OTION	Rearing	• • • •	
Method		CHANNEL DESCRIF	TION	Realing	(34 III)	
Popair Status		Toe Width (m)				

### **CULVERT DESCRIPTION**

Repair Status

Problem

1.1
RND
CST
0.76
0.79
No
0.00
0.00
No
0.50
No

#### **Culvert Comments:**

Span/Toe Ratio

Sheet flow in culvert.



**Mason Conservation District** 

Site ID:

PI:

127Y0166

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.150
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	22N
Range:	08W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.39196	
Longitude:	-123.63673	
WA state plane south (NAD 27, feet)		
East:	1,223,534	

766,246

#### **EVALUATION LEVEL COMPLETED**

Ш	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.15 miles northwest of the FS 2294.150/2294.155 junction.

PECIE	3 FUI EN HAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>✓</b>	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	5.24	
OHW (m)	2.62	
Max Depth (m)	0.50	
CHANNEL DESCRIPTION		
Toe Width (m)	1.81	

0.49

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.88
Rise (m)	0.94
Length (m)	11.85
Slope (%)	3.20
Bed Material	No
Outfall Drop (m)	0.87
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0167

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.150
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	22N
Range:	08W

unnamed

Big Cr 22.0312

22.0000

Physical

#### **POSITIONAL DATA**

Location / Directions:

Site Comments:

North:

WGS 84, decimal degrees		
Latitude:	47.39538	
Longitude:	-123.64043	
WA state plane south (NAD 27, feet)		
East:	1,222,667	

	OI LOILO
Water crossing is approximately 1.1 miles north of the FS 2294.150/2294.100 junction.	
of the F3 2294.130/2294.100 junction.	F

767,528

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

POTENTIAL HABITAT GAIN

J. 20120 . 0 . 2 . 1	_
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
✓ Steelhead	

### FUP Criteria: OWNER

Fish Use:

WATERBODY

Tributary To: WRIA:

Stream:

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/1/2004
Field Crew:	Blatt/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.50	
OHW (m)	3.00	
Max Depth (m)	0.60	
CHANNEL DESCRIPTION		
Toe Width (m)	2.29	

0.20

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	11.76
Slope (%)	11.70
Bed Material	No
Outfall Drop (m)	1.51
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Debris jam at upstream end of culvert.



**Mason Conservation District** 

Site ID:

PI:

127Y0168

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### GENERAL LOCATION

Road Name:	FS 2294.150
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	22N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

WGS 84, decimal degrees	
Latitude:	47.39745
Longitude:	-123.64236

WA state plane south (NAD 27, feet)

( = =.,)	
East:	1,222,219
North:	768,302

Water crossing is approximately 1.4 miles

northwest of the FS 2294.150/2294.100 junction.

#### SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

## **OWNER**

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.10	

1.10

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.21
Rise (m)	1.23
Length (m)	23.31
Slope (%)	8.10
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.05
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

No plunge pool, outfall drop is onto pile of



**Mason Conservation District** 

Site ID:

PI:

47.39997

127Y0169

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.150
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	22N
Range:	W80

unnamed

Big Cr 22.0312

22.0000

Physical

#### **POSITIONAL DATA**

WGS 84, decin	nal degrees
Latitudo:	

Longitude:	-123.64695
WA state plane sout	h (NAD 27, feet)

East:	1,221,120
North:	769,268

#### **Location / Directions:**

Water crossing is approximately 1.65 miles northwest of the FS 2294.150/2294.100 junction.

Site	Comments:
------	-----------

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### s

SPECIES POT	ENTIAL	
Socke	eye	Sea Run Cutthroa
Pink		✓ Resident Trout
Chum	1	Dolly/Bull Trout
Chino	ok	Brook Trout
<b>✓</b> Coho		Brown Trout
✓ Steell	nead	

## OWNER

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use: FUP Criteria:

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2004	
Field Crew:	Haque/Lutz	
Barrier	Yes	
Passability (%)	33	
Method	LA	
Repair Status	UD	
Problem	outfall drop, slope	

#### PLUNGE POOL DESCRIPTION

Length (m)	3.37
OHW (m)	3.60
Max Depth (m)	0.28

#### CHANNEL DESCRIPTION

Toe Width (m)	1.40		
Span/Toe Ratio	0.87		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.22
1.22
24.52
10.70
No
2.48
0.04
No
5.00
No



**Mason Conservation District** 

Site ID:	127Y0170	Fish Use:	No
PI:		Barrier:	

SITE DESCR	IPTION				
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	FS 2294.150	WGS 84, decimal de	grees		Report Logged
County:	Grays Harbor	Latitude:	47.40100	<b>✓</b>	Field Review
1/4 Section:	NW	Longitude:	-123.64864		Threshold Determination
Section:	13	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	22N	East:	1,220,716		Downstream Check
Range:	W80	North:	769,658		Physical Survey
WATERBODY		Location / Direction	is:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 1.8 miles	JFECIL	Sockeye Sea Run Cutthroat
Tributary To:	Big Cr 22.0312		2294.150/2294.100 junction.		Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No	014 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Chinook Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout
OWNER		Gradient barrier.			Steelhead
Name:	US Forest Service				
Type:	Federal				
LEVEL A AN	AL VEIC				
SUMMARY INFO		PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN
Review Date:	6/2/2004	Length (m)		Survey	Type:
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		CHANNEL DESCRIPTION		Rearing	1 (sq m)
Method					
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	
Apron	No
Fill Depth (m)	1.50
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0171

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SE
Section:	24
Township:	22N

08W

unnamed

Big Cr 22.0312

22.0000

Physical

US Forest Service

Federal

POSITIONAL DATA
WGS 84, decimal degrees

 Latitude:
 47.37831

 Longitude:
 -123.63493

 WA state plane south (NAD 27, feet)

East: 1,223,781
North: 761,255

#### Location / Directions:

Water crossing is approximately 0.3 miles north of the FS 2294/22 junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

Ш	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	<b>Expanded Threshold Determination</b>

Downstream Check
Physical Survey

## SPECIES POTENTIAL

SECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	9.15	
OHW (m)	7.10	
Max Depth (m)	0.35	
CHANNEL DESCRIPTION		

Toe Width (m)	0.95
Span/Toe Ratio	0.99

#### POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
opanning (oq m)	
Pooring (og m)	
Rearing (sq m)	

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.94
0.94
23.13
5.80
No
0.70
0.06
No
5.50
No



**Mason Conservation District** 

Site ID:

PI:

127Y0172

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## GENERAL LOCATION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	22N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.38366	
Longitude:	-123.63573	

Location / Directions:

Site Comments:

Longitude: WA state plane south (NAD 27, feet)

East: 1,223,661 763,210 North:

Water crossing is approximately 0.65 miles north of the FS 2294/22 junction.

#### SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

#### WATERBODY

Stream:	unnamed
ributary To:	Big Cr 22.0312
VRIA:	22.0000
ish Use:	Yes
FUP Criteria:	Physical

OWNER	
Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.37
OHW (m)	2.74
Max Depth (m)	0.60

#### **CHANNEL DESCRIPTION**

Toe Width (m)	1.00	
Span/Toe Ratio	0.77	

#### POTENTIAL HABITAT GAIN

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.77
Rise (m)	0.77
Length (m)	12.25
Slope (%)	3.40
Bed Material	No
Outfall Drop (m)	1.56
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0173

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	22N
Range:	W80

#### WATERBODY

unnamed
Big Cr 22.0312
22.0000
Yes
Physical

#### OWNER

Name:	US Forest Service	
Type:	Federal	

#### POSITIONAL DATA

WGS	84.	decimal	degree

Latitude:	47.38767
Longitude:	-123.64003
WA state plane sout	h (NAD 27, feet)
East:	1,222,653
North:	764,715

#### **Location / Directions:**

Water crossing is approximately 0.8 miles north of the FS 2294/22 junction.

#### Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES P	OTENTIAL	
☐ So	ckeye	✓ Sea Run Cutthroa
Pir	nk	Resident Trout
Ch	ium	Dolly/Bull Trout
Ch	inook	Brook Trout
<b>✓</b> Co	ho	Brown Trout
✓ Ste	eelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.20	
OHW (m)	1.40	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		

Toe Width (m)	1.50
Span/Toe Ratio	0.63

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	12.24
Slope (%)	4.10
Bed Material	No
Outfall Drop (m)	0.65
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0174

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: FS 2294 County: Grays Harbor 1/4 Section: NE Section: 24 Township: 22N Range: 08W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.38804	
Longitude:	-123.64065	
WA state plane south (NAD 27, feet)		
East:	1,222,505	
North:	764,856	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.8 miles north of the FS 2294/22 junction.

#### SPECIES POTENTIAL

I LCILO I	OILIVIIAL	
☐ So	ckeye	✓ Sea Run Cutthroa
Pir	nk	✓ Resident Trout
Ch	num	Dolly/Bull Trout
Ch	ninook	Brook Trout
<b>✓</b> Co	oho	Brown Trout
<b>✓</b> Ste	eelhead	

#### OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.55	
Span/Toe Ratio	0.94	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.45
Rise (m)	0.97
Length (m)	16.25
Slope (%)	-2.10
Bed Material	No
Outfall Drop (m)	0.75
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

No plunge pool, cascade at outfall drop. Culvert is sloped inversely.



**Mason Conservation District** 

Site ID: 127Y0175 Fish Use: No PI: Barrier:

SITE DESCR	IFTION					
GENERAL LOCATION POSIT		POSITIONAL DATA	OSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	FS 2294	WGS 84, decimal de	grees		Report Logged	
County:	Grays Harbor	Latitude:	47.39128	<b>✓</b>	Field Review	
1/4 Section:	SE	Longitude:	-123.64407		Threshold Determination	
Section:	13	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,221,707		Downstream Check	
Range:	W80	North:	766,069		Physical Survey	
WATERBODY		Location / Direction	s:	epecie	ES POTENTIAL	
Stream:	unnamed	Water crossing is ann	proximately 1.4 miles north	SPECIE	<u>_</u>	
Tributary To:	Big Cr 22.0312	of the FS 2294/22 jur				
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout  Coho Brown Trout	
OWNER		OHW = 0.50 meters.			Coho Brown Trout Steelhead	
Name:	US Forest Service					
Type:	Federal					
LEVEL A ANA	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	6/2/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)		]	TION	Rearing		
Method		CHANNEL DESCRIF	TIUN	Nearing	(34 111)	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

#### **CULVERT DESCRIPTION**

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.50
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.40
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0176

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** FS 2294 Road Name: Grays Harbor County: SW 1/4 Section: Section: 13 22N Township: 08W Range:

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments: OHW = 0.90 meters.

WGS 84, decimal degrees		
Latitude:	47.39182	
Longitude:	-123.64453	

WA state plane south (NAD 27, feet)

1,221,600 766,274 North:

Water crossing is approximately 1.45 miles north of the FS 2294/22 junction.

#### S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

unnamed
Big Cr 22.0312
22.0000
Yes
Physical

## **OWNER**

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
= -  ()	
CHANNEL DESCR	RIPTION
. ,	RIPTION

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.55
0.60
12.08
5.10
No
0.00
0.04
No
0.50
No

#### **Culvert Comments:**

No outfall drop or plunge pool measurements, riffles immediately downstream.



**Mason Conservation District** 

Site ID:

PI:

127Y0177

Fish Use:

Barrier:

Yes Unk

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	22N
Range:	08W

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### OWNER

WATERBODY

Name:	US Forest Service
Type:	Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.39253	
Longitude:	-123.64570	
WA state plane south (NAD 27, feet)		
East:	1,221,322	

766,542

#### **Location / Directions:**

North:

Water crossing is approximately 1.5 miles north of the FS 2294/22 junction.

#### Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SI

PECIES POTE	NTIAL	
Sockey	re 🗸	Sea Run Cutthroat
Pink	<b>✓</b>	Resident Trout
Chum		Dolly/Bull Trout
Chinoo	k	Brook Trout
<b>✓</b> Coho		Brown Trout
✓ Steelhe	ad	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
CHANNEL DESCR Toe Width (m)	IPTION

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.83
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.70
Tidegate	No

#### **Culvert Comments:**

Big Creek confluence approximately 50 meters



#### **WRIA 22 Fish Passage Inventory** Site ID: 127Y0178 Fish Use: Yes PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2200.220 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.35459 **V** Field Review Latitude: County: Threshold Determination -123.63305 NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 36 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,223,903 08W Physical Survey 752,588 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Anderson Cr Stream: Water crossing is approximately 1.3 miles south ✓ Sea Run Cutthroat Sockeye Tributary To: Wynoochee R 22.0311 of the FS 2200.220/22 junction. Pink Resident Trout WRIA: 22.0309 Chum Dolly/Bull Trout Fish Use: Yes **Brook Trout V** Chinook Site Comments: FUP Criteria: Physical Brown Trout **V** Coho Wet crossing. OWNER Steelhead **V** US Forest Service Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: Length (m) Survey Type: Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status Span/Toe Ratio Problem **CULVERT DESCRIPTION Culvert Comments:** Sequencer: Shape Material Span (m) Rise (m) Length (m) Slope (%) **Bed Material**

Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

#### **WRIA 22 Fish Passage Inventory** Site ID: 127Y0179 Fish Use: Yes PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged WGS 84, decimal degrees Road Name: unknown spur Grays Harbor 47.35504 **~** Field Review Latitude: County: Threshold Determination -123.63568 Longitude: 1/4 Section: NE **Expanded Threshold Determination** Section: 36 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,223,259 08W Physical Survey 752,781 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 150 meters Sockeye ✓ Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 west of FS 2200.220 Anderson Creek wet Pink Resident Trout crossing, on unnamed spur road. WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: Yes **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout **V** Coho Wet crossing. **OWNER** Steelhead **V US Forest Service** Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: Length (m) Survey Type: Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status Span/Toe Ratio Problem **CULVERT DESCRIPTION Culvert Comments:** Sequencer: Shape Material Span (m) Rise (m) Length (m) Slope (%)

Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

**Mason Conservation District** 

Site ID:	127Y0180	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	FS 2294	WGS 84, decimal de	grees		Report Logged	
County:	Grays Harbor	Latitude:	47.39792	<b>✓</b>	Field Review	
1/4 Section:	NW	Longitude:	-123.65057		Threshold Determination	
Section:	13	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,220,194		Downstream Check	
Range:	08W	North:	768,557		Physical Survey	
WATERBODY		Location / Directions:		e DE CIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 2.0 miles	3FECIE	Sockeye Sea Run Cutthroat	
Tributary To:	Big Cr 22.0312	northwest of the FS 2			Pink Resident Trout	
WRIA:	22.0000				Chum Dolly/Bull Trout	
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:				
OWNER		OHW = 0.50 meters.			Coho Brown Trout Steelhead	
Name:	US Forest Service					
Type:	Federal					
LEVEL A ANALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	6/3/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCRI	PTION	Rearing		
Method			FIION	rtearing	(94 111)	
Repair Status		Toe Width (m)				

#### **CULVERT DESCRIPTION**

Problem

1.1
RND
CST
1.17
1.21
No
0.00
No
No

#### **Culvert Comments:**

Span/Toe Ratio

Upstream of channel stream system is dry, many small tributaries feeding into system all smaller than 0.5 meters. Main channel OHW = 0.5 meters.



#### **Mason Conservation District**

Site ID:

PI:

127Y0181

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	22N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.40547	
Longitude:	-123.65800	
WA state plane south (NAD 27, feet)		
East:	1,218,466	
North:	771,382	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Water crossing is approximately 0.1 miles north of FS 2294/2281 junction.

#### S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### Site Comments:

Gradient barrier upstream of culvert. Did not complete level A survey due to no gain for habitat.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.18
Rise (m)	1.23
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Downstream end of culvert has angled



**Mason Conservation District** 

Site ID: **127Y0182** 

PI:

Fish Use:

Use: No

Barrier:

SITE	DESCR	RIPTION
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GENERAL LOCA	ENERAL LOCATION POSITIONAL DATA EVALUATION LEVEL COMPLETI		COMPLETED			
Road Name:	FS 2294	WGS 84, decimal de	grees		Report Logge	d
County:	Grays Harbor	Latitude:	47.40883	<b>✓</b>	Field Review	
1/4 Section:	SE	Longitude:	-123.65645		Threshold Det	termination
Section:	11	WA state plane south	n (NAD 27, feet)		Expanded Thr	reshold Determination
Township:	22N	East:	1,218,898		Downstream (	Check
Range:	W80	North:	772,588		Physical Surv	еу
WATERBODY		Location / Direction	s:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is app	proximately 0.4 miles north		Sockeye	Sea Run Cutthroat
Tributary To:	Big Cr 22.0312	of the FS 2294/2281			Pink	
WRIA:	22.0000					Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
	,	Gradient barrier.			Coho	Brown Trout
OWNER					Steelhead	
Name:	US Forest Service					
Type:	Federal					

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION
Review Date:	6/3/2004	Length (m)
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)
Barrier		Max Depth (m)
Passability (%)		CHANNEL DESCRIPTION
Method		CHANNEL DESCRIPTION
Repair Status		Toe Width (m)
Problem		Span/Toe Ratio
FIUDIEIII		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.89
0.92
No
0.02
No
0.50
No

#### **Culvert Comments:**

Angled extension on downstream end of culvert.



**Mason Conservation District** 

Site ID:	127Y0183	Fish Use:	No
PI:		Barrier:	

## SITE DESCRIPTION

#### POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2294 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.41040 **V** Field Review County: Latitude: -123.65545 Threshold Determination NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 11 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,219,168 08W Physical Survey Range: 773,153 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.5 miles north Sockeye Sea Run Cutthroat Tributary To: Big Cr 22.0312 of the FS 2294/2281 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Gradient barrier upstream and downstream. OWNER Steelhead US Forest Service Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 6/3/2004 Length (m) Survey Type: Haque/Schuetzler/Lutz Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m)

#### **CULVERT DESCRIPTION**

Passability (%)

Repair Status

Method

Problem

Sequencer:	1.1	
Shape	RND	
Material	CST	
Span (m)	0.60	
Rise (m)	0.62	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)		
WDIC (m)	0.00	
Apron	No	
Fill Depth (m)	0.50	
Tidegate	No	

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Rearing (sq m)

#### **Mason Conservation District**

Site ID:

PI:

127Y0184

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NF
	11
Section:	
Township:	22N

08W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

downstream.

of the FS 2294/2281 junction.

 WGS 84, decimal degrees

 Latitude:
 47.41205

 Longitude:
 -123.65473

WA state plane south (NAD 27, feet)
East: 1,219,371

North: 773,748

Confluence with Big Creek 15 meters

Water crossing is approximately 0.6 miles north

### SPECIES POTENTIAL

ECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>V</b>	Steelhead	

#### WATERBODY

Range:

 Stream:
 unnamed

 Tributary To:
 Big Cr 22.0312

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

#### OWNER

Name: US Forest Service
Type: Federal

## LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	8.13
OHW (m)	7.44
Max Depth (m)	1.21

#### CHANNEL DESCRIPTION

Toe Width (m)	2.73
Span/Toe Ratio	0.87

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.37
Rise (m)	2.41
Length (m)	20.06
Slope (%)	7.00
Bed Material	No
Outfall Drop (m)	0.67
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Culvert is beveled on both ends.



**Mason Conservation District** 

Site ID: **127Y0185** 

PI:

Fish Use: No

Barrier:

		IPT	

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL C	OMPLETED
Road Name:	FS 2294	WGS 84, decimal de	grees		Report Logged	
County:	Grays Harbor	Latitude:	47.41358	<b>✓</b>	Field Review	
1/4 Section:	NW	Longitude:	-123.65160		Threshold Dete	rmination
Section:	12	WA state plane sout	h (NAD 27, feet)		Expanded Thre	shold Determination
Township:	22N	East:	1,220,168		Downstream Cl	neck
Range:	W80	North:	774,273		Physical Survey	/
WATERBODY		Location / Direction	is:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.10 miles	0. 20.	Sockeye	Sea Run Cutthroat
Tributary To:	Big Cr 22.0312	north of FS 2294/228			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		OHW = 0.5 meters.			Coho Steelhead	Brown Trout
Name:	US Forest Service					
Type:	Federal					

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.30	
OHW (m)	1.20	
Max Depth (m)	0.40	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0186

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	22N
Range:	08W

unnamed

Big Cr 22.0312

22.0000

Mapped

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.41516 Latitude: -123.64644 Longitude: WA state plane south (NAD 27, feet)

East: 1,221,468 774,798 North:

Water crossing is approximately 1.10 miles

#### Physical Survey

Coho

Steelhead

	,	•
SPECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout

Brown Trout

**Expanded Threshold Determination** 

Site Comments:

OHW = 1.90 meters.

**Location / Directions:** 

north of FS2294/2281 junction.

## OWNER

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

FUP Criteria:

Name:	US Forest Service
Гуре:	Federal

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.50
OHW (m)	3.00
Max Depth (m)	0.30
CHANNEL DESCRI	DTION

Toe Width (m)	1.59
Span/Toe Ratio	0.75

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.19
Rise (m)	1.20
Length (m)	30.83
Slope (%)	11.00
Bed Material	No
Outfall Drop (m)	0.71
WDIC (m)	0.00
Apron	No
Fill Depth (m)	8.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0187

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION GENERAL LOCATION

# Road Name: FS 2294 County: Grays Harbor 1/4 Section: SE Section: 1 Township: 22N

08W

unnamed

Big Cr 22.0312

22.0317

Mapped

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.41730

 Longitude:
 -123.64259

 WA state plane south (NAD 27, feet)

 East:
 1,222,450

Water crossing is approximately 1.30 miles

775,539

North:

north of FS2294/2281 junction.

**Location / Directions:** 

#### SDECIES DOTENTIAL

ECIE	SPUIENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

Site Comments:

# FUP Criteria: **OWNER**

Fish Use:

Range:

Stream:

WRIA:

WATERBODY

Tributary To:

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	8.15
OHW (m)	5.78
Max Depth (m)	1.50

#### CHANNEL DESCRIPTION

Toe Width (m)	2.19
Span/Toe Ratio	0.77

#### POTENTIAL HABITAT GAIN

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.69
Rise (m)	1.88
Length (m)	26.13
Slope (%)	9.80
Bed Material	No
Outfall Drop (m)	0.63
WDIC (m)	0.07
Apron	No
Fill Depth (m)	8.50
Tidegate	No

#### **Culvert Comments:**

OHW = 2.6 meters.



**Mason Conservation District** 

Site ID:

PI:

127Y0188

Fish Use:

e: No

Barrier:

SITE	DESCR	IPTION
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#### **POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged FS 2294 WGS 84, decimal degrees Road Name: Grays Harbor 47.42931 Field Review County: Latitude: Threshold Determination -123.64699 NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 1 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,221,536 08W Physical Survey Range: 779,960 North: WATERBODY Location / Directions: **SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.4 miles north Sockeye Sea Run Cutthroat Tributary To: Big Cr 22.0312 of the FS 2294/2294.600 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Natural point barrier 5 meters downstream of OWNER culvert. Steelhead **US Forest Service** Name:

#### **LEVEL A ANALYSIS**

Type:

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Federal

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.25	

0.59

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.72
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.90
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:	127Y0189	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCAT	ΓΙΟΝ	POSITIONAL DATA		EVALU	ATION LEVEL C	OMPLETED
Road Name:	FS 2294	WGS 84, decimal de	grees		Report Logged	
County:	Grays Harbor	Latitude:	47.42986	<b>✓</b>	Field Review	
1/4 Section:	NW	Longitude:	-123.64752		Threshold Dete	ermination
Section:	1	WA state plane south	h (NAD 27, feet)		Expanded Thre	shold Determination
Township:	22N	East:	1,221,415		Downstream C	heck
Range:	W80	North:	780,168		Physical Surve	y
WATERBODY		Location / Direction	is:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.45 miles		Sockeye	Sea Run Cutthroat
Tributary To:	Big Cr 22.0312	north of the FS 2294			Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No					Brook Trout
FUP Criteria:	Physical	Site Comments:			Chinook	
OWNER		OHW = 0.4 meters.			Coho Steelhead	Brown Trout
Name:	US Forest Service					
Type:	Federal					
LEVEL A ANA	ALYSIS					

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	6/3/2004	Length (m)	Survey Type:
Field Crew:	Haque/Schuetzler/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			3(41)
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.30
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

47.43174

127Y0190

Fish Use:

Yes

#### Barrier: Unk

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.580
County:	Grays Harbor
1/4 Section:	SW
Section:	36
Township:	23N
Range:	W80

unnamed

Big Cr 22.0312

22.0000

Physical

#### **POSITIONAL DATA**

WGS 84, decimal degrees Latitude:

**Location / Directions:** 

-123.64844 Longitude: WA state plane south (NAD 27, feet)

of the FS 2294.580/2294 junction.

East: 1,221,213 780,862 North:

Water crossing is approximately 0.1 miles north

CCIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout

Brown Trout

Steelhead

#### OWNER

Fish Use:

FUP Criteria:

WATERBODY

Tributary To:

Stream:

WRIA:

Name:	US Forest Service
Type:	Federal

#### Site Comments:

Natural point barrier immediately upstream of culvert.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	NG
Problem	

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	
Tidegate	No



**Mason Conservation District** 

Site ID: 127Y0191 Fish Use: PI:

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294.580
County:	Grays Harbor
1/4 Section:	SW
Section:	36
Township:	23N
Range:	W80

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### OWNER

Name:	US Forest Service
Type:	Federal

#### POSITIONAL DATA

WGS 84, decimal de	egrees
Latitude:	47.433

-123.64983 Longitude: WA state plane south (NAD 27, feet)

1,220,900 781,607 North:

#### Location / Directions:

Water crossing is approximately 0.30 miles north of FS2294.580/2294 junction.

#### Site Comments:

Natural point barriers upstream and downstream of culvert.

#### **EVALUATION LEVEL COMPLETED**

		Report Logged
	<b>✓</b>	Field Review
[		Threshold Determination
[		Expanded Threshold Determination
[		Downstream Check
- 1	$\neg$	Physical Survey

No

Barrier:

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
CHANNEL DESCR Toe Width (m)	IPTION

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.90
0.89
No
0.01
No
0.50
No



#### **Mason Conservation District**

Site ID:

PI:

127Y0192

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NW
Section:	1
Township:	22N
Dongo:	08///

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

of FS2294/2294.580 junction.

WGS 84, decimal de	egrees
Latitude:	47.43046
Longitude:	-123.64606

WA state plane south (NAD 27, feet) 1,221,785 780,369 North:

Water crossing is approximately 0.10 miles east

## SF

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/3/2004
Field Crew:	Haque/Schuetzler/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.60
OHW (m)	1.20
Max Depth (m)	0.20
CHANNEL DESCRI	PTION

Toe Width (m)	0.70
Span/Toe Ratio	0.64

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	14.17
Slope (%)	11.50
Bed Material	No
Outfall Drop (m)	0.90
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Broken off section of pipe resting in plunge pool.



**Mason Conservation District** 

Site ID: **127Y0193** 

PI:

Fish Use:

No

Barrier:

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GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED		
Road Name:	B-1800	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.05535	<b>✓</b>	Field Review		
1/4 Section:	SW	Longitude:	-123.68170		Threshold Dete	ermination	
Section:	9	WA state plane sout	h (NAD 27, feet)		Expanded Thre	eshold Determination	
Township:	18N	East:	1,207,451		Downstream C	heck	
Range:	W80	North:	644,015		Physical Surve	y	
WATERBODY		Location / Direction	is:	SPECIE	ES POTENTIAL		
Stream:	unnamed	Water crossing is approximately 0.1 miles southwest of B1800/B1810 junction.		U. 20.	Sockeye	Sea Run Cutthroat	
Tributary To:	unnamed 22.0286				Pink	Resident Trout	
WRIA:	22.0000				Chum		
Fish Use:	No					Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout	
OWNER		OHW = 0.45 meters			Coho Steelhead	Brown Trout	
Name:	Weyerhaeuser Company						
Type:	Private						

#### **SUMMARY INFORMATION**

Review Date:	6/7/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	0.45

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

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

#### **Culvert Comments:**

Span/Toe Ratio

Downstream end has plastic sleeve attached.



**Mason Conservation District** 

Site ID:

PI:

127Y0194

Chinook

Steelhead

Coho

Fish Use:

No

Barrier:

**Brook Trout** 

Brown Trout

SITE DESCRIPTIO	N
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GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	B-400	WGS 84, decimal	degrees		Report Logo	ged
County:	Grays Harbor	Latitude:	47.01656	<b>✓</b>	Field Review	N
1/4 Section:	SE	Longitude:	-123.67030		Threshold D	etermination
Section:	27	WA state plane south (NAD 27, feet)			Expanded T	hreshold Determination
Township:	18N	East:	1,209,723		Downstrean	n Check
Range:	08W	North:	629,767		Physical Su	rvey
WATERBODY		Location / Directi	ons:	SDECIE	S POTENTIA	AI.
Stream:	unnamed	Water crossing is	located at the B-400/B-490	3FECIE	Sockeye	Sea Run Cutthroat
Tributary To:	Caldwell Cr 22.0280	junction.			,	
WRIA:	22.0000				Pink	Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout

Site Comments:

OHW = 0.30 meters.

#### OWNER

FUP Criteria:

Name:	Weyerhaeuser Company
Type:	Private

Physical

#### **LEVEL A ANALYSIS**

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	6/7/2004	Length (m)	Survey Type:
Field Crew:	Haque/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			roding (eq m)
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.48
Rise (m)	0.48
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.50
Tidegate	No

## **Culvert Comments:**

Angled extension on downstream end.

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



**Mason Conservation District** 

## Site ID:

PI:

#### 127Y0195

Fish Use:

Yes

#### Barrier: Yes

#### SITE DESCRIPTION

#### GENERAL LOCATION

Road Name:	B-400
County:	Grays Harbor
1/4 Section:	SE
Section:	27
Township:	18N
Range:	08W

#### **POSITIONAL DATA**

WGS 84,	decimal	degree
WGS 84,	decimal	degre

Latitude:	47.01613	
Longitude:	-123.66761	
WA state plane south (NAD 27, feet)		
East:	1,210,388	
North:	629,583	
Landa (Blanda)		

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Caldwell Cr 22.0280
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.15 miles east of the B-400/B-490 junction.

#### **SPECIES POTENTIAL**

PECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.80	
OHW (m)	1.80	
Max Depth (m)	0.28	
CHANNEL DESCRIPTION		

1.05

1.11

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.17
Rise (m)	1.23
Length (m)	12.41
Slope (%)	1.80
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### Culvert Comments:

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0196

Fish Use:

No

Barrier:

SIT	ΓF	n	F٩	CR	<b>IPT</b>		N
JI.		$\mathbf{\nu}$	ᆫᇰ	$\mathbf{c}$	IF I	ı	ı

GENERAL LOCATION		
Road Name:	B-line	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	23	
Township:	18N	
Range:	08W	

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.02528	
Longitude:	-123.64797	
WA state plane south (NAD 27, feet)		
East:	1,215,416	
North:	632,720	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
No
Physical

#### **Location / Directions:**

**Site Comments:**OHW = 0.40 meters.

Water crossing is approximately 0.6 miles northwest of Black Creek Rd/B-Line junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolhood	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/4/2000
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	0.75	
OHW (m)	0.85	
Max Depth (m)	0.20	
CHANNEL DESCRIPTION		
Toe Width (m)	0.40	
roc widin (iii)	0.10	

1.50

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

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

## Culvert Comments:

Span/Toe Ratio

Angled extension on downstream end.



**Mason Conservation District** 

Site ID:

PI:

127Y0197

Fish Use:

No

Barrier:

SITE	DESCR	RIPTION
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GENERAL LOCATION		P
Road Name:	A-1000	V
County:	Grays Harbor	L
1/4 Section:	SW	L
Section:	12	V
Township:	18N	E
Range:	W80	N

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.05842	
Longitude:	-123.63229	
WA state plane south (NAD 27, feet)		
East:	1,219,803	
North:	644,641	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed	
Tributary To:	unnamed 22.0275	
WRIA:	22.0000	
Fish Use:	No	
FUP Criteria:	Physical	

#### **Location / Directions:**

Site Comments: OHW = 0.50 meters.

Water crossing is approximately 1 mile east of the A-1100/A-line junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/8/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.35	
Span/Toe Ratio	0.80	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.52
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.24
WDIC (m)	0.01
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Series of cascades downstream of culvert.



#### **Mason Conservation District**

Site ID:

PI:

127Y0198

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION GENERAL LOCATION

# Road Name: A-1000 County: Grays Harbor 1/4 Section: SE

 Section:
 1

 Township:
 18N

 Range:
 08W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 unnamed 22.0278

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### OWNER

Name: Weyerhaeuser Company
Type: Private

#### POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.06753

 Longitude:
 -123.62010

 WA state plane south (NAD 27, feet)

East: 1,222,971 North: 647,840

#### **Location / Directions:**

Water crossing is approximately 20 meters east of the A-1000/A-1050 junction.

#### Site Comments:

OHW = 0.8 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report	Logged
--	--------	--------

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye

Pink
Chum

Chinook

✓ Coho

Steelhead

7	Sea	Run	Cutthroat
•	Ou	···	Outtimout

Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

 Toe Width (m)
 0.50

 Span/Toe Ratio
 0.90

#### **POTENTIAL HABITAT GAIN**

Survey Type:

Length (m):

Spawning (sq m)

Rearing (sq m)

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.43
Length (m)	30.35
Slope (%)	7.35
Bed Material	No
Outfall Drop (m)	2.60
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Rubber sleeve attached to downstream end.



#### **Mason Conservation District**

Site ID:

PI:

127Y0199

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	A-1060	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	1	
Township:	18N	
Range:	W80	

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.06871	
Longitude:	-123.61348	
WA state plane south (NAD 27, feet)		
East:	1,224,635	
NI - atla .	648 207	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Black Cr 22.0268
WRIA:	22.0278
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.2 miles northeast of the A-1000/A-1060 junction.

#### SPECIES POTENTIAL

PECIE	5 POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Туре:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.62	
Span/Toe Ratio	0.38	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	14.77
Slope (%)	1.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.07
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

No plunge pool. Upstream end of culvert segment broken off.



#### **Mason Conservation District**

Site ID:

PI:

127Y0200

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: C-line County: Grays Harbor 1/4 Section: NE Section: 6 Township: 18N

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.07711

 Longitude:
 -123.59792

 WA state plane south (NAD 27, feet)

 East:
 1,228,630

651,115

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	E 1.171 1.115.

Expanded Threshold Determination

Downstream Check

Downstream CheckPhysical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	unnamed 22.0278
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

North:

Water crossing is approximately 0.1 miles east of the A-1000/C-line junction.

Site Comments:

#### SPECIES POTENTIAL

PECIE	3 PUIENIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	6/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.15
OHW (m)	2.11
Max Depth (m)	0.25
CHANNEL DESCRIPTION	

1.16

0.53

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	21.97
Slope (%)	9.30
Bed Material	No
Outfall Drop (m)	0.25
WDIC (m)	0.05
Apron	No
Fill Depth (m)	7.50
Tidegate	No

## Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Bottom of culvert rusted out at downstream end.



#### **Mason Conservation District**

Site ID:

PI:

127Y0201

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

# Road Name: C-line County: Grays Harbor 1/4 Section: NE Section: 6

Township: 18N
Range: 07W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 unnamed 22.0278

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### OWNER

Name: Weyerhaeuser Company
Type: Private

#### POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.07670

Longitude: -123.59570

WA state plane south (NAD 27, feet)

East: 1,229,176

North: 650,943

#### Location / Directions:

Water crossing is approximately 0.2 miles east of the A-1000/C-line junction.

#### Site Comments:

OHW = 0.65 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

# Physical Survey SPECIES POTENTIAL

	Sockeye	
$\neg$	Pink	

Chum
Chinook

☐ Chinook ☐ Coho

Steelhead

Sea Run Cutthroat

Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.40
OHW (m)	0.90
Max Depth (m)	0.30

#### CHANNEL DESCRIPTION

Toe Width (m)	0.40
Span/Toe Ratio	1.13

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
PVC
0.45
0.45
20.27
4.10
No
0.47
0.00
No
4.50
No

#### **Culvert Comments:**

Series of cascades immediately downstream of culvert.



**Mason Conservation District** 

Site ID:	127Y0202	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA	A	EVALU	ATION LEVEL COMPLETED	
Road Name:	C-line	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.07592	<b>✓</b>	Field Review	
1/4 Section:	NE	Longitude:	-123.59351		Threshold Determination	
Section:	5	WA state plane south (NAD 27, feet)			Expanded Threshold Determination	
Township:	18N	East:	1,229,710		Downstream Check	
Range:	07W	North:	650,640		Physical Survey	
WATERBODY		Location / Directio	ns:	SPECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is approximately 0.3 miles east of the A-1000/C-line junction.			Sockeye Sea Run Cutthroat	
Tributary To:	unnamed 22.0278				Pink Resident Trout	
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OWNER		OHW = 0.55 meters	3.		Coho Brown Trout Steelhead	
Name:	Weyerhaeuser Company					
Type:	Private					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN		
Review Date:	6/8/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)		CHANNEL DESCR	IDTION	Rearing		
Method		CHANNEL DESCR	IF HON	rtearing	(94 III)	

#### **CULVERT DESCRIPTION**

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.49
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



## **Mason Conservation District**

Site ID:

PI:

127Y0203

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION **GENERAL LOCATION**

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

#### C-line Road Name: Grays Harbor County: NW1/4 Section: Section: 5 18N Township:

07W

unnamed

unnamed 22.0278

22.0000

Mapped

Weyerhaeuser Company

Private

#### POSITIONAL DATA

WGS 84, decimal degrees

47.07597 Latitude: -123.59165 Longitude: WA state plane south (NAD 27, feet)

1,230,174 650,640

#### **Location / Directions:**

North:

Water crossing is approximately 0.4 miles east of the C-line/A-1000 junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout

Resident Trout Dolly/Bull Trout

**Brook Trout** 

Chinook

Coho Steelhead

Brown Trout

# **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	0.25
Max Depth (m)	1.40

#### CHANNEL DESCRIPTION

Toe Width (m)	1.18
Span/Toe Ratio	1.01

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.20
Length (m)	25.15
Slope (%)	10.80
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.04
Apron	No
Fill Depth (m)	6.00
Tidegate	No

#### **Culvert Comments:**

Concrete blocks directly below culvert to reduce scour. Beaver pond upstream.



**Mason Conservation District** 

Site ID: 1

PI:

127Y0204

Fish Use:

No

Barrier:

SITE DESCR	IPTION					
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	C-line	WGS 84, decimal de	egrees		Report Logged	
County:	Grays Harbor	Latitude:	47.07564	<b>✓</b>	Field Review	
1/4 Section:	NW	Longitude:	-123.58908		Threshold Det	ermination
Section:	5	WA state plane sout	h (NAD 27, feet)		Expanded Thre	eshold Determination
Township:	18N	East:	1,230,809		Downstream C	Check
Range:	07W	North:	650,495		Physical Surve	<b>Р</b> у
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is approximately 0.6 miles east			Sockeye	Sea Run Cutthroat
Tributary To:	Black Cr 22.0268	of the C-Line/A-1000 junction.			Pink	Resident Trout
WRIA:	22.0278				Chum	Dolly/Bull Trout
Fish Use:	No	Site Comments:			Chinook	Brook Trout
FUP Criteria:	Physical	OHW = 0.4 meters.			Coho	Brown Trout
OWNER		01111 = 0.111101010.			Steelhead	
Name:	Weyerhaeuser Company					
Type:	Private					
LEVEL A ANALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT	GAIN
Review Date:	6/8/2004	Length (m)		Survey	Туре:	

Review Date:	6/8/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

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

## **CULVERT DESCRIPTION**

1.1
RND
PVC
0.61
0.61
0.00
0.00
No
3.00
No

## **Culvert Comments:**

Rubber sleeve attached to downstream end of culvert.



**Mason Conservation District** 

Site ID:

PI:

127Y0205

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	X-400
County:	Grays Harbor
1/4 Section:	SW
Section:	17
Township:	18N

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

Site Comments:

Latitude:	47.03893	
Longitude:	-123.58507	
WA state plane south (NAD 27, feet)		
East:	1,231,285	
North:	637,074	

Water crossing is approximately 0.95 miles west of the X-400/X-Line junction.

# S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## WATERBODY

Range:

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

# OWNER

Name:	Weyerhaeuser Company
Туре:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	7.04	
OHW (m)	2.77	
Max Depth (m)	0.49	
CHANNEL DESCRIPTION		

Toe Width (m)	1.73
Span/Toe Ratio	0.83

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.43
Rise (m)	0.94
Length (m)	24.61
Slope (%)	0.20
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**

Upstream end of culvert is beveled. OHW = 1.9



**Mason Conservation District** 

Site ID:

PI:

127Y0206

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Yes Barrier:

#### SITE DESCRIPTION

#### **GENERAL LOCATION** X-line Road Name: Grays Harbor County: NE 1/4 Section: 20 Section: 18N Township: 07W Range:

#### **POSITIONAL DATA**

Location / Directions:

Site Comments:

WGS 84, decimal degrees		
Latitude:	47.03502	
Longitude:	-123.57563	

WA state plane south (NAD 27, feet) 1,233,581 635,559 North:

Water crossing is approximately 0.7 miles southwest of the X-Line/X-400 junction.

## S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

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

# OWNER

Name:	Montesano
Туре:	City

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.86	
Span/Toe Ratio	0.70	

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	27.52
Slope (%)	17.00
Bed Material	No
Outfall Drop (m)	0.56
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No

#### **Culvert Comments:**

Outfall onto rip rap, no plunge pool. OHW = 0.9



**Mason Conservation District** 

Site ID: 127Y0207 Fish Use: No PI: Barrier:

#### SITE DESCRIPTION

## GENERAL LOCATION

Road Name:	7812
County:	Grays Harbor
1/4 Section:	NE
Section:	31
Township:	21N
Range:	07W

#### WATERBODY

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

#### OWNER

Name:	en Diamond Resource Co
Type:	Private

#### POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47

Latitude:	47.26759	
Longitude:	-123.61755	
WA state plane south (NAD 27, feet)		
East:	1,226,488	
North:	720,728	

#### **Location / Directions:**

Water crossing is approximately 100 meters east of the 7811/7812 junction.

#### Site Comments:

Poorly defined stream channel, OHW < 0.6

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## SPECIES POTENTIAL

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

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	RIPTION
CHANNEL DESCR Toe Width (m)	RIPTION

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

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



## **Mason Conservation District**

Site ID:

127Y0208

Fish Use: Barrier: Yes Yes

## PI:

# SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	7810
County:	Grays Harbor
1/4 Section:	SE
Section:	31
Township:	21N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.25932	
Longitude:	-123.61284	
WA state plane south (NAD 27, feet)		
East:	1,227,536	
North:	717,667	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

**Site Comments:**OHW = 6.2 meters.

Water crossing is approximately 0.1 miles north of the 7810/7811 junction.

#### SPECIES POTENTIAL

PECIES POTENTIAL			
	Sockeye	Sea Run Cutthroa	
	Pink	Resident Trout	
	Chum	Dolly/Bull Trout	
	Chinook	Brook Trout	
<b>~</b>	Coho	Brown Trout	
<b>✓</b>	Steelhead		

## OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

## PLUNGE POOL DESCRIPTION

Length (m)	17.20	
OHW (m)	13.25	
Max Depth (m)	2.90	
CHANNEL DESCRIPTION		
Toe Width (m)	6.18	

0.20

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.21
Rise (m)	1.21
Length (m)	34.64
Slope (%)	3.10
Bed Material	No
Outfall Drop (m)	0.94
WDIC (m)	0.13
Apron	DS
Fill Depth (m)	9.00
Tidegate	No

## Culvert Comments:

Span/Toe Ratio

Apron severely eroded, no longer effective.



**Mason Conservation District** 

Site ID:

127Y0209

Fish Use:

Barrier:

Yes Unk

## PI:

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	7810
County:	Grays Harbor
1/4 Section:	SE
Section:	30
Township:	21N
Range:	07W

# WATERBODY

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

## OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### POSITIONAL DATA

WGS	84.	decimal	degree
** 00	υ¬,	accimia	ucgi cc.

Latitude:	47.27359	
Longitude:	-123.61657	
WA state plane south (NAD 27, feet)		
East:	1,226,816	
North:	722,906	

#### **Location / Directions:**

Water crossing is approximately 0.40 miles east of the FS 22/7810 junction.

## Site Comments:

OHW = 1.85 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

I LOILS I OTLIVITAL			
	Sockeye	Sea Run Cutthroa	
	Pink	✓ Resident Trout	
	Chum	Dolly/Bull Trout	
	Chinook	Brook Trout	
<b>~</b>	Coho	Brown Trout	
	Steelhead		

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	3.03	
OHW (m)	1.72	
Max Depth (m)	0.34	
CHANNEL DESCRIPTION		

#### CHANNEL DESCRIPTION

Toe Width (m)	1.51
Span/Toe Ratio	0.60

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.89
Length (m)	12.37
Slope (%)	0.27
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No



## **Mason Conservation District**

Site ID:

PI:

127Y0210

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

se: Yes

Barrier: No

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: 7810 County: Grays Harbor 1/4 Section: SE Section: 30 Township: 21N

07W

#### POSITIONAL DATA

North:

WGS 84, decimal degrees

**Location / Directions:** 

Site Comments:

of the FS 22/7810 junction.

 Latitude:
 47.27840

 Longitude:
 -123.61335

 WA state plane south (NAD 27, feet)

 East:
 1,227,686

Water crossing is approximately 0.8 miles east

724,626

SPECIES POTENTIAL			
	Sockeye	<b>~</b>	Sea Run Cutthroa
	Pink	<b>~</b>	Resident Trout
	Chum		Dolly/Bull Trout
	Chinook		Brook Trout
<b>✓</b>	Coho		Brown Trout
	Steelhead		

#### WATERBODY

Range:

 Stream:
 unnamed

 Tributary To:
 Schafer Cr 22.0294

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

## OWNER

Name: en Diamond Resource Comp Type: Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.65	
Span/Toe Ratio	0.88	

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
1.45
1.45
18.13
-0.10
Yes
0.00
0.22
No
0.50
No

#### **Culvert Comments:**

Observed fish in stream, unable to ID. No plunge pool, water flows directly into riffle. Culvert sloped inversely.

## **Mason Conservation District**

Site ID: **127Y0211** 

PI:

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7840	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	30	
Township:	21N	
Range:	07W	

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.28606	
Longitude:	-123.62017	
WA state plane south (NAD 27, feet)		
East:	1,226,105	
North:	727,487	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	Neil Cr
Tributary To:	Schafer Cr 22.0294
WRIA:	22.0297
Fish Use:	Yes
FUP Criteria:	Biolgical

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.25 miles north of the 7840/7844 junction.

Juvenile coho observed upstream of culvert,

beaver ponds upstream and downstream.

#### SPECIES POTENTIAL

PECIES POTENTIA	\L
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

## OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
Toe Width (m)	
Span/Toe Ratio	

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.22
Rise (m)	1.22
Length (m)	10.78
Slope (%)	2.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.84
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

No toe or plunge pool measurements due to beaver ponds upstream and downstream.



## **Mason Conservation District**

Site ID:

PI:

127Y0212

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	600 T
County:	Grays Harbor
1/4 Section:	NE
Section:	19

 Township:
 21N

 Range:
 07W

## WATERBODY

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

OWNER

Name:	en Diamond Resource Con
Type:	Private

#### **POSITIONAL DATA**

WGS 84	decimal	dearees
***	, accinia	aogroo

Latitude:	47.29952
Longitude:	-123.62226
WA state plane sout	h (NAD 27, feet)
East:	1,225,780
North:	732 411

#### Location / Directions:

Water crossing is approximately 0.85 miles south of the 600-west/600T junction.

## Site Comments:

OHW = 2.1 meters.

#### **EVALUATION LEVEL COMPLETED**

L		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### SPECIES POTENTIAL

I LOILO I C	/ I LIVIIAL	
Soc	keye	Sea Run Cutthroa
Pinl	k	✓ Resident Trout
Chu	ım	Dolly/Bull Trout
Chi	nook	Brook Trout
<b>✓</b> Coh	10	Brown Trout
Ste	elhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	8.75
OHW (m)	5.90
Max Depth (m)	1.23
CHANNEL DESCRIPTION	

#### CHANNEL DESCRIPTION

Toe Width (m)	1.62
Span/Toe Ratio	0.56

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

1.1
RND
PCC
0.91
0.91
9.49
1.30
No
0.12
0.12
No
1.50
No



## **Mason Conservation District**

Site ID:

PI:

127Y0213

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	600 T
County:	Grays Harbor
1/4 Section:	NE
Section:	19
Township:	21N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.29602	
Longitude:	-123.62163	
WA state plane south (NAD 27, feet)		
East:	1,225,886	
NI = utla .	731 130	

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW = 1.2 meters.

Water crossing is approximately 1.1 miles south of the 600-west/600T junction.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	en Diamond Resource Comp
Type:	Private

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

## PLUNGE POOL DESCRIPTION

Length (m)	7.20	
OHW (m)	4.57	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		

0.75

0.64

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	8.84
Slope (%)	2.30
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.00
Tidegate	No

## Culvert Comments:

Toe Width (m)

Span/Toe Ratio



## **Mason Conservation District**

Site ID:

PI:

127Y0214

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	600
County:	Grays Harbor
1/4 Section:	SW
Section:	7
Township:	21N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.31754	
Longitude:	-123.63185	
WA state plane south (NAD 27, feet)		
East:	1,223,664	
North:	739,076	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW = 2.1 meters.

Water crossing is approximately 0.15 miles west of the FS 22/O600 junction.

## SPECIES POTENTIAL

[		Sockeye	Sea Run Cutthroa
[		Pink	Resident Trout
[		Chum	Dolly/Bull Trout
[		Chinook	Brook Trout
[	<b>V</b>	Coho	Brown Trout
ſ		Steelhead	

## OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

## PLUNGE POOL DESCRIPTION

6.05		
3.86		
0.43		
<u>-                                    </u>		
CHANNEL DESCRIPTION		

1.40

1.06

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
1.49
1.50
12.45
2.90
No
0.50
0.10
No
1.50
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



## **Mason Conservation District**

Site ID:

PI:

127Y0215

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION **GENERAL LOCATION**

Road Name:	FS 2281.100
County:	Grays Harbor

NW 1/4 Section: Section: 11 22N Township: 08W

## WATERBODY

Range:

MF Big Cr Stream: Tributary To: WF Big Cr 22.0313 WRIA: 22.0314 Fish Use: FUP Criteria: Mapped

#### OWNER

**US Forest Service** Name: Federal Type:

#### POSITIONAL DATA

WGS 84, decimal degrees

47.41189 Latitude: -123.66588 Longitude: WA state plane south (NAD 27, feet)

1,216,609 773,798 North:

#### Location / Directions:

Water crossing is approximately 0.4 miles northwest of the FS 2281.100/2281 junction.

#### Site Comments:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big Creek.

#### **EVALUATION LEVEL COMPLETED**

Report Logge	d
--------------	---

Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

	Sockeye
_	

Pink Chum

Chinook

Coho

Sea Run Cutthroat

Resident Trout Dolly/Bull Trout

**Brook Trout** 

Brown Trout

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

6/28/2004
Haque/Lutz
Yes
33
LA
UD
outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	18.20
OHW (m)	5.86
Max Depth (m)	0.70

#### CHANNEL DESCRIPTION

Toe Width (m)	2.70
Span/Toe Ratio	0.55

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	4.93
Rise (m)	2.54
Length (m)	17.47
Slope (%)	3.62
Bed Material	No
Outfall Drop (m)	0.75
WDIC (m)	0.12
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Culvert is beveled both ends.



## **Mason Conservation District**

Site ID:

PI:

127Y0216

Fish Use:

Yes

Barrier: Unk

# SITE DESCRIPTION GENERAL LOCATION

# Road Name: FS 2281.100 County: Grays Harbor 1/4 Section: NW Section: 11

 Section:
 11

 Township:
 22N

 Range:
 08W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 MF Big Cr 22.0314

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### OWNER

Name: US Forest Service
Type: Federal

#### POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.41518

Longitude: -123.66463

WA state plane south (NAD 27, feet)

East: 1,216,968

North: 774,986

#### **Location / Directions:**

Water crossing is approximately 0.1 miles south of the FS 2281.100/2281.150 junction.

#### Site Comments:

Natural point barrier for anadromous species located downstream near confluence of WF and MF Big Creek. OHW = 1.0 meters.

#### **EVALUATION LEVEL COMPLETED**

Report Logge	d
--------------	---

Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye

Pink
Chum

\_ Cnum

Chinook

Coho
Steelhead

Sea	Run	Cutthroat

Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	1.81
OHW (m)	1.70
Max Depth (m)	0.28

#### CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	0.95

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

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

#### **Culvert Comments:**

Measurements and photo taken at upstream end. Level A not completed due to lack of anadromous use.



**Mason Conservation District** 

Site ID:

PI:

127Y0217

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2281.100
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	22N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
47.41574		
-123.66422		
WA state plane south (NAD 27, feet)		
1,217,077		
775,186		

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Stream:	unnamed
Tributary To:	MF Big Cr 22.0314
WRIA:	22.0000
Fish Use:	Yes
rish use:	168
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 75 meters southwest of the FS 2281.100/2281.150 junction.

Natural point barrier for anadromous species

located downstream near confluence of WF and MF Big Creek. OHW = 3.1 meters.

## SPECIES POTENTIAL

, LCIL	.51 OILNIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

## PLUNGE POOL DESCRIPTION

Length (m)	7.70
OHW (m)	5.94
Max Depth (m)	1.35
CHANNEL DESCRIPTION	

2.00

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1	
RND	
CST	
1.23	
1.23	
12.60	
7.10	
No	
0.85	
0.09	
No	
1.50	
No	

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



## **Mason Conservation District**

Site ID:

PI:

47.41621

-123.66353

127Y0218

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCA	TION
Deed News	FC

Road Name:	FS 2281.100
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	22N
Range:	08W

#### **POSITIONAL DATA**

Longitude:

WGS 84, decimal de	egrees
Latitude:	

**Location / Directions:** 

Site Comments:

FS 2281.100/2281.150 junction.

WA state plane south (NAD 27, feet)

With oratio planto ocarii (Wib 21, 1001)	
East:	1,217,255
North:	775,351

Water crossing is located on western side of the

Natural point barrier for anadromous species

located downstream near confluence of WF

and MF Big Creek. OHW = 3.25 meters.

## S

PECIES	POTENTIAL		
s	ockeye		Sea Run Cutthroat
P	ink	<b>~</b>	Resident Trout
C	hum		Dolly/Bull Trout
C	hinook		Brook Trout
C	oho		Brown Trout
□ S	teelhead		

#### WATERBODY

Stream:	MF Big Cr
Tributary To:	WF Big Cr 22.0313
WRIA:	22.0314
Fish Use:	Yes
FUP Criteria:	Mapped

## **OWNER**

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	9.20
OHW (m)	6.97
Max Depth (m)	1.20

#### CHANNEL DESCRIPTION

Toe Width (m)	2.25
Span/Toe Ratio	0.51

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

1.1
SQSH
CST
3.26
2.13
13.77
7.00
No
0.40
0.08
No
1.20
No



## **Mason Conservation District**

Site ID:

PI:

127Y0219

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## GENERAL LOCATION

Road Name:	FS 2281.150
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	22N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.41621	
Longitude:	-123.66335	
WA state plane south (NAD 27, feet)		
East:	1,217,300	
North:	775,349	

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Stream:	unnamed
Tributary To:	MF Big Cr 22.0314
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

Water crossing is located on the east side of the FS 2281.150/2281.100 junction.

Natural point barrier for anadromous species

#### SPECIES POTENTIAL

 I LOILO I OTLITTIAL			
Sockeye	Sea Run Cutthroa		
Pink	✓ Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
Coho	Brown Trout		
Steelhead			

## OWNER

Name:	US Forest Service
Type:	Federal

# US Forest Service located downstream near confluence of WF and MF Big Creek. OHW = 1.1 meters.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

## PLUNGE POOL DESCRIPTION

Length (m)	3.82	
OHW (m)	2.20	
Max Depth (m)	0.28	
CHANNEL DESCRIPTION		

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.63
Rise (m)	0.63
Length (m)	16.19
Slope (%)	4.80
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### FLUNGE FOOL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.76

#### **Culvert Comments:**

Confluence with main stem MF Big Creek 15 meters downstream.



## **Mason Conservation District**

Site ID:

PI:

127Y0220

Fish Use:

Yes

Barrier: Unk

GENERAL LOCATION	
Road Name:	FS 2281.150
County:	Grays Harbor
1/4 Section:	NE
Section:	11
Township:	22N

08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.41576	
Longitude:	-123.66303	
WA state plane south (NAD 27, feet)		
East:	1,217,371	
North:	775,182	

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	MF Big Cr 22.0314
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 50 meters southeast of the FS 2281.150/2281.100 junction.

Natural point barrier for anadromous species

located downstream near confluence of WF and MF Big Creek. OHW = 0.8 meters.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

## PLUNGE POOL DESCRIPTION

Length (m)	2.30	
OHW (m)	1.80	
Max Depth (m)	0.55	
CHANNEL DESCRIPTION		
Toe Width (m)	0.70	

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

## Culvert Comments:

Span/Toe Ratio

Photo taken at upstream end. Level A not completed due to lack of anadromous use.



Federal

**Mason Conservation District** 

Site ID: Fish Use: 127Y0221 No PI: Barrier:

## SITE DESCRIPTION

#### **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2281.150 Report Logged Road Name: WGS 84, decimal degrees Grays Harbor 47.41468 Field Review County: Latitude: -123.66341 Threshold Determination NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 11 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,217,263 08W Physical Survey Range: 774,790 North: WATERBODY Location / Directions: **SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.1 miles Sockeye Sea Run Cutthroat Tributary To: MF Big Cr 22.0314 southeast of the FS 2281.150/2281.100 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Natural point barrier at downstream end of OWNER culvert. Steelhead **US Forest Service** Name:

#### **LEVEL A ANALYSIS**

Type:

SUMMARY INFOR	MATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	6/28/2004	Length (m)	Survey Type:	
Field Crew:	Haque/Lutz	OHW (m)	Length (m):	
Barrier		Max Depth (m)	Spawning (sq m)	
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)	
Method			3(4)	
Repair Status		Toe Width (m)		
Problem		Span/Toe Ratio		

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	5.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

Angled extension attached to downstream end, no plunge pool.



## **Mason Conservation District**

Site ID:

PI:

127Y0222

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** FS 2281 Road Name: Grays Harbor County: SE 1/4 Section: Section: 11 22N Township: 08W

#### POSITIONAL DATA

WGS 84, decimal degrees

Latitude:	47.40593	
Longitude:	-123.66209	
WA state plane south (NAD 27, feet)		
East:	1,217,460	
North:	771,587	

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Range:

Stream:	MF Big Cr
Tributary To:	WF Big Cr 22.0313
WRIA:	22.0314
Fish Use:	Yes
FUP Criteria:	Mapped

#### Location / Directions:

Site Comments:

Water crossing is located at the FS 2281/2281.100 junction.

# SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	NG
Problem	outfall drop, slope

## PLUNGE POOL DESCRIPTION

Length (m)	10.90	
OHW (m)	7.10	
Max Depth (m)	1.15	
CHANNEL DESCRIPTION		

7.50

0.50

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	3.27
Rise (m)	3.29
Length (m)	17.98
Slope (%)	2.20
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.12
Apron	No
Fill Depth (m)	6.00
Tidegate	No

# Span/Toe Ratio

**Culvert Comments:** 

Toe Width (m)

Natural point barrier 40 meters upstream. WF and MF Big Creek confluence immediately downstream.



## **Mason Conservation District**

Site ID:

PI:

127Y0223

Fish Use:

Yes

Barrier: Yes

# SITE DESCRIPTION

**GENERAL LOCATION** 

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

Road Name:	FS 2281
County:	Grays Harbor

SW 1/4 Section: 11 Section: 22N Township: 08W

WF Big Cr

Big Cr 22.0312

22.0313

Mapped

US Forest Service

Federal

# **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

47.40239 Latitude: -123.67101 Longitude: WA state plane south (NAD 27, feet)

1,215,201 770,387 North:

Water crossing is approximately 0.5 miles west

ECIE	3 POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout

**Brook Trout** 

Brown Trout

**Expanded Threshold Determination** 

Chinook
Coho

Coho	
Steelhead	

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

Field Review

of the FS 2281/2281.100 junction.

Site Comments: OHW = 3.8 meters.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	8.40
OHW (m)	4.58
Max Depth (m)	1.00

#### CHANNEL DESCRIPTION

Toe Width (m)	2.20
Span/Toe Ratio	1.81

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

1.3
RND
CST
1.83
1.83
15.31
2.00
No
0.70
0.15
No
1.00
No

## **Culvert Comments:**

Pipe 1.2 is on left bank.

## **Mason Conservation District**

# Site ID:

## 127Y0223

# Fish Use:

Yes

PI: Barrier: Yes

## **CULVERT DESCRIPTION**

Sequencer:	2.3
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.25
Length (m)	13.57
Slope (%)	2.55
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Pipe 2.3 is center culvert.

## **CULVERT DESCRIPTION**

Sequencer:	3.3
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.25
Length (m)	13.57
Slope (%)	2.55
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Pipe 3.3 is on right bank.



22.0000

Physical

US Forest Service

**Mason Conservation District** 

Site ID: 127Y0224

PI:

Fish Use:

No

Barrier:

S	ITI	FI	٦F	SC	:RI	PT	'n	N
J				J.	<i>,</i>   \		10	14

GENERAL LOCATION POSI		POSITIONAL DATA	A	EVALUA <sup>*</sup>	TION LEVEL COMPLETED
Road Name:	FS 2281	WGS 84, decimal d	legrees		Report Logged
County:	Grays Harbor	Latitude:	47.39812	<b>✓</b>	Field Review
1/4 Section:	NE	Longitude:	-123.67737		Threshold Determination
Section:	15	WA state plane sou	ith (NAD 27, feet)		Expanded Threshold Determ
Township:	22N	East:	1,213,564		Downstream Check
Range:	W80	North:	768,896		Physical Survey
WATERBODY		Location / Direction	ons:	SPECIES	POTENTIAL
Stream:	unnamed	Water crossing is approximately 1.0 mile west			Sockeye Sea Ru
Tributary To:	WF Big Cr 22.0313	of the FS 2281/228	of the FS 2281/2281.100 junction.		Pink Decider

Site	Comments:

Gradient barrier upstream and downstream.

	1 00
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

## **LEVEL A ANALYSIS**

WRIA:

Fish Use:

OWNER

Name: Type:

FUP Criteria:

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	2.30

0.78

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.79
Rise (m)	1.79
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

Culvert is beveled.

Span/Toe Ratio



Mason

Site ID: **127Y0225** Fish Use:

A 22 Fish Passage Inventory	Site ID:	127Y0225	Fish Use:	No
Conservation District	PI:		Barrier:	

## SITE DESCRIPTION

GENERAL LOCA	OCATION POSITIONAL DATA EVALUATION LEVEL COMPLETED		. COMPLETED				
Road Name:	FS 2281	WGS 84, decimal de	egrees		Report Logge	ed	
County:	Grays Harbor	Latitude:	47.39812	<b>✓</b>	Field Review	1	
1/4 Section:	NE	Longitude:	-123.67762		Threshold Determination		
Section:	15	WA state plane sout	th (NAD 27, feet)		Expanded Th	nreshold Determination	
Township:	22N	East:	1,213,503		Downstream	Check	
Range:	W80	North:	768,898		Physical Surv	vey	
WATERBODY		Location / Directions:		SPECIES POTENTIAL			
Stream:	unnamed	Water crossing is an	proximately 1.0 miles west	3FEGIL	Sockeye	Sea Run Cutthroat	
Tributary To:	WF Big Cr 22.0313	of the FS 2281/2281			Pink		
WRIA:	22.0000					Resident Trout	
Fish Use:	No				Chum	Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout	
		Gradient barrier ups	tream and downstream.		Coho	Brown Trout	
OWNER		OHW = 2.1 meters.			Steelhead		
Name:	US Forest Service						

## **LEVEL A ANALYSIS**

Type:

Federal

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	6/28/2004	Length (m)	Survey Type:	
Field Crew:	Haque/Lutz	OHW (m)	Length (m):	
Barrier		Max Depth (m)	Spawning (sq m)	
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)	
Method				
Repair Status		Toe Width (m)		
Problem		Span/Toe Ratio		

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.45
Rise (m)	1.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0226

Fish Use:

No

Barrier:

SITF			

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED		
Road Name:	2281.180	WGS 84, decimal de	grees		Report Logged		
County:	Grays Harbor	Latitude:	47.39837	<b>✓</b>	Field Review		
1/4 Section:	NE	Longitude:	-123.67941		Threshold Deter	mination	
Section:	15	WA state plane south	n (NAD 27, feet)		Expanded Thres	shold Determination	
Township:	22N	East:	1,213,065		Downstream Ch	eck	
Range:	W80	North:	769,004		Physical Survey		
WATERBODY		Location / Direction	s:	SPECIE	S POTENTIAL		
Stream:	unnamed	Water crossing is app	proximately 0.25 miles		Sockeye	Sea Run Cutthroat	
Tributary To:	WF Big Cr 22.0313	south of the FS 2281			Pink	Resident Trout	
WRIA:	22.0000				Chum		
Fish Use:	No					Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout	
OWNER		Gradient barrier upst	ream and downstream.		Coho Steelhead	Brown Trout	
Name:	US Forest Service						
Туре:	Federal						

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/29/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.05	
Span/Toe Ratio		

## POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.80
Rise (m)	0.78
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	8.50
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Culvert is beveled.



**Mason Conservation District** 

Site ID:

PI:

127Y0227

Fish Use:

No

Barrier:

			1OI	

GENERAL LOCATION			
Road Name: FS 2281.180			
County:	Grays Harbor		
1/4 Section:	NE		
Section:	15		
Township:	22N		
Range:	W80		

## **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.39797	
Longitude:	-123.67965	
WA state plane south (NAD 27, feet)		
East:	1,212,999	
North:	768,864	

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Stream:	unnamed
Tributary To:	WF Big Cr 22.0313
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### Location / Directions:

Site Comments:

Water crossing is approximately 0.3 miles south of the FS 2281.180/2281 junction.

Gradient barrier upstream and downstream.

## SPECIES POTENTIAL

Sea Run Cutthroa
Resident Trout
Dolly/Bull Trout
Brook Trout
Brown Trout

## OWNER

Name:	US Forest Service
Type:	Federal

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/28/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

## PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.80	
Span/Toe Ratio	0.91	

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.73
Rise (m)	0.78
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No



## **Mason Conservation District**

Site ID:

PI:

127Y0228

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2200.300	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	25	
Township:	22N	

08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude:	47.37351		
Longitude:	-123.65136		
WA state plane south (NAD 27, feet)			
East:	1,219,644		
North:	759,665		

# **EVALUATION LEVEL COMPLETED**

L		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

## WATERBODY

Range:

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

#### Location / Directions:

Site Comments:

Water crossing is approximately 0.4 miles north of the FS 2200.300/2200.301 junction.

SPECIES PUTENTIAL		
Sc	ockeye	Sea Run Cutthroa
Pi	nk	✓ Resident Trout
Ch	num	Dolly/Bull Trout
Ch	ninook	Brook Trout
<b>✓</b> Co	oho	Brown Trout
☐ St	eelhead	

## OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

## PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	1.00

1.23

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.23
Rise (m)	1.23
Length (m)	18.31
Slope (%)	17.30
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Culvert recently replaced with downstream log



**Mason Conservation District** 

Site ID:

PI:

127Y0229

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION **GENERAL LOCATION**

#### FS 22 Road Name: Grays Harbor County:

NW1/4 Section: Section: 25 22N Township: 08W

# **POSITIONAL DATA**

WGS 84, decimal degrees

47.36742 Latitude: -123.64604 Longitude: WA state plane south (NAD 27, feet)

1,220,873 757,395 North:

# **EVALUATION LEVEL COMPLETED**

Report Logged Field Review

Threshold Determination

**Expanded Threshold Determination** Downstream Check

Physical Survey

#### WATERBODY

Range:

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

#### Location / Directions:

Water crossing is approximately 0.3 miles north of the FS 2200/2200.410 intersection.

Site Comments:

#### SPECIES POTENTIAL

	Sockeye
$\Box$	Dink

Chum

Resident Trout Dolly/Bull Trout **Brook Trout** 

Chinook Coho

Steelhead

Brown Trout

✓ Sea Run Cutthroat

## OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	6.69
OHW (m)	3.05
Max Depth (m)	1.28

#### CHANNEL DESCRIPTION

Toe Width (m)	0.97
Span/Toe Ratio	1.57

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.52
Rise (m)	1.52
Length (m)	15.43
Slope (%)	1.40
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No



## **Mason Conservation District**

Site ID:

PI:

127Y0230

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

<b>GENERAL LOCATION</b>
-------------------------

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SE
Section:	26
Township:	22N
Range:	W80

#### **POSITIONAL DATA**

Location / Directions:

22/2200.300 junction.

Site Comments:

OHW = 1.3 meters.

WGS 84, decimal degrees Latitude: 47.36470 -123.65985 Longitude:

WA state plane south (NAD 27, feet)

Water crossing is located at the FS

1,217,413 756,539 North:

## SP

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Staalhaad	

#### WATERBODY

Stream: unnamed Tributary To: Harris Cr 22.0308 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	1.40
Max Depth (m)	0.30

#### **CHANNEL DESCRIPTION**

Toe Width (m)	1.10
Span/Toe Ratio	0.82

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

_	
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.90
Length (m)	15.19
Slope (%)	4.60
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.30
Tidegate	No

## **Culvert Comments:**

Culvert is deformed.



**Mason Conservation District** 

Site ID:

PI:

127Y0231

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name: Type:

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SE
Section:	26
Township:	22N
Range:	08W

unnamed

Harris Cr 22.0308

22.0000

Physical

US Forest Service

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	47.36619
Longitude:	-123.66435

WA state plane south (NAD 27, feet)

East: 1,216,320

North: 757,127

## Location / Directions:

Water crossing is approximately 100 meters east of the FS 22/2200.340 junction.

#### Site Comments:

OHW = 1.1 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

PECIES POTENTIA	\L
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

## PLUNGE POOL DESCRIPTION

Length (m)	1.80
OHW (m)	1.60
Max Depth (m)	0.20

#### CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	1.20

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	17.90
Slope (%)	9.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No



## **Mason Conservation District**

Site ID:

PI:

127Y0232

Fish Use:

Yes

Barrier: Yes

Cutthroat

## SITE DESCRIPTION

**GENERAL LOCATION** 

#### FS 22 Road Name: Grays Harbor County: SW 1/4 Section: Section: 26

22N Township: 08W Range:

## POSITIONAL DATA

WGS 84, decimal degrees

47.36582 Latitude: -123.66546 Longitude: WA state plane south (NAD 27, feet)

1,216,040 757,003 North:

## Field Review Threshold Determination

Report Logged

**EVALUATION LEVEL COMPLETED** 

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### WATERBODY

Harris Cr Stream: Tributary To: Wynoochee R 22.0311 WRIA: 22.0308 Fish Use: Yes FUP Criteria: Mapped

#### **Location / Directions:**

Water crossing is located at the FS 22/2200.340 junction.

Site Comments:

#### SPECIES POTENTIAL

	Sockeye	<b>~</b>	Sea Run Cutthr
	Pink	<b>~</b>	Resident Trout
7	Chum		Dolly/Bull Trout

Chinook Coho

v	00110
	Steelhead

Brook Trout
Brown Trout

# OWNER

US Forest Service Name: Federal Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	13.70
OHW (m)	18.40
Max Depth (m)	2.00

#### CHANNEL DESCRIPTION

Toe Width (m)	3.75
Span/Toe Ratio	0.83

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	3.10
Rise (m)	3.10
Length (m)	35.87
Slope (%)	1.20
Bed Material	No
Outfall Drop (m)	4.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	5.00
Tidegate	No

## **Culvert Comments:**

Downstream end of culvert rusted out on bottom. Concrete retaining wall around culvert at upstream end.



**Mason Conservation District** 

Site ID:

PI:

127Y0233

Fish Use:

No

Barrier:

SITE	DE:	SCR	IPTI	ON
GENE	RAL	LOCA	TION	ı

# Road Name: FS 2200.340 County: Grays Harbor 1/4 Section: NW Section: 26

 Township:
 22N

 Range:
 08W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Harris Cr 22.0308

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

## OWNER

Name: US Forest Service
Type: Federal

#### POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.36748

 Longitude:
 -123.66788

 WA state plane south (NAD 27, feet)

East: 1,215,466

North: 757,631

#### **Location / Directions:**

Water crossing is approximately 0.15 miles north of the FS 2200.340/22 junction.

#### Site Comments:

Gradient barrier, Harris Creek confluence 25 meters downstream.

#### **EVALUATION LEVEL COMPLETED**

Report Logged	d
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Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

## SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
$\neg$	Dink	□ B :: .∓ .

	PINK	Resident Frout
٦	Chum	Dolly/Bull Trout

_		
	Chinook	Brook Trout
	Coho	Brown Trout

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	1.70
OLIM (m)	0.90
OHW (m)	0.90
Max Depth (m)	0.20

#### CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.76

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.10
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.30
Tidegate	No



## **Mason Conservation District**

Site ID:

PI:

127Y0234

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

Road Name:	FS 2200.340
County:	Grays Harbor

NW1/4 Section: 26 Section: 22N Township: 08W

Harris Cr

Wynoochee R 22.0311

22.0308

Yes

Mapped

**US Forest Service** 

Federal

## **POSITIONAL DATA**

WGS 84, decimal degrees

47.36863 Latitude: -123.66947 Longitude: WA state plane south (NAD 27, feet)

1,215,087 758,068 North:

## **Location / Directions:**

Water crossing is approximately 0.3 miles north of the FS 2200.340/22 junction.

#### Site Comments:

OHW = 8.2 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

	Sockeye
_	

Pink

✓ Sea Run Cutthroat Resident Trout

Chum

Dolly/Bull Trout **Brook Trout** 

Chinook

Coho Steelhead Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/7/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	18.30
OHW (m)	11.80
Max Depth (m)	2.00

#### CHANNEL DESCRIPTION

Toe Width (m)	5.50
Span/Toe Ratio	0.83

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	4.56
Rise (m)	2.75
Length (m)	27.24
Slope (%)	2.00
Bed Material	No
Outfall Drop (m)	0.31
WDIC (m)	0.12
Apron	No
Fill Depth (m)	5.00
Tidegate	No

## **Culvert Comments:**

Culvert is beveled.



**Mason Conservation District** 

Site ID:

PI:

759,142

127Y0235

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Barrier:

Yes

Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	FS 2200.340
County:	Grays Harbor
1/4 Section:	NW
Section:	26
Township:	22N
Range:	W80

#### **POSITIONAL DATA**

Location / Directions:

Site Comments:

of the FS 2200.340/22 junction.

North:

WGS 84, decimal degrees	
Latitude:	47.37153
Longitude:	-123.67132
WA state plane south (NAD 27, feet)	
East:	1,214,672

Water crossing is approximately 0.5 miles north

# S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## WATERBODY

Stream:	unnamed
Tributary To:	Harris Cr 22.0308
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

7/8/2004
Haque/Lutz
Yes
33
LA
UD
slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.69	
OHW (m)	2.59	
Max Depth (m)	0.51	
CHANNEL DESCRIPTION		

Toe Width (m)	1.43
Span/Toe Ratio	0.63

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
0.90
0.90
9.21
4.90
No
0.28
0.04
No
0.50
No

## **Culvert Comments:**

High gradient upstream.



## **Mason Conservation District**

Site ID:

PI:

127Y0236

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	FS 2200.340
County:	Grays Harbor
1/4 Section:	NW
Section:	26
Township:	22N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
47.37304		
-123.67269		
WA state plane south (NAD 27, feet)		
1,214,355		
759,705		

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Stream:	unnamed
Tributary To:	Harris Cr 22.0308
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:
OHW = 1.9 meters.

Water crossing is approximately 0.6 miles north of the FS 2200.340/22 junction.

## SPECIES POTENTIAL

	OI OILMINAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

## SUMMARY INFORMATION

Review Date:	7/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

## PLUNGE POOL DESCRIPTION

Length (m)	2.90
OHW (m)	3.46
Max Depth (m)	0.65
CHANNEL DESCRIPTION	
Toe Width (m)	1.62
roe widin (iii)	1.02

0.74

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
1.20
1.20
12.39
3.60
No
0.75
0.03
No
1.00
No

## Culvert Comments:

Span/Toe Ratio

Large bee's nest on downstream end of culvert.



**Mason Conservation District** 

Site ID:

127Y0237

Fish Use:

Yes Yes

PI:

Barrier:

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	FS 2200.340
County:	Grays Harbor
1/4 Section:	NW
Section:	26
Township:	22N
Range:	08W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.37353	
Longitude:	-123.67335	
WA state plane south (NAD 27, feet)		

East:	1,214,199
North:	759,891

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

## WATERBODY

Stream:	Harris Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0308
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Water crossing is approximately 0.7 miles north of the FS 2200.340/22 junction.

Site Comments:

#### SPECIES POTENTIAL

or Loilo	OILITIAL	
s	ockeye	✓ Sea Run Cutthroa
P	ink	✓ Resident Trout
C	hum	Dolly/Bull Trout
C	hinook	Brook Trout
<b>✓</b> C	oho	Brown Trout
	teelhead	

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

## PLUNGE POOL DESCRIPTION

Length (m)	12.75	
OHW (m)	8.78	
Max Depth (m)	1.43	
CHANNEL DESCRIPTION		
Toe Width (m)	5.73	

0.61

Sp
Re

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	3.48
Rise (m)	2.14
Length (m)	27.19
Slope (%)	3.20
Bed Material	No
Outfall Drop (m)	0.37
WDIC (m)	0.06
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**

Culvert is beveled.

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0238

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

### **GENERAL LOCATION**

Road Name:	FS 2200.340
County:	Grays Harbor
1/4 Section:	SE
Section:	22
Township:	22N
Range:	08W

### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.37838	
Longitude:	-123.67661	
WA state plane south (NAD 27, feet)		
East:	1,213,463	
North:	761,693	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

Stream:	unnamed
Tributary To:	Harris Cr 22.0308
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

### Location / Directions:

Site Comments: OHW = 2.75 meters.

Water crossing is approximately 1.05 miles north of the FS 2200.340/22 junction.

### SPECIES POTENTIAL

LOIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

### OWNER

Name:	US Forest Service
Type:	Federal

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

### PLUNGE POOL DESCRIPTION

Length (m)	5.47	
OHW (m)	7.13	
Max Depth (m)	1.07	
CHANNEL DESCRIPTION		
Toe Width (m)	2.36	

0.44

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
1.04
1.07
9.69
3.70
No
0.37
0.05
No
1.10
No

### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0239

Fish Use:

Yes

Barrier: Yes

# SITE DESCRIPTION GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

# Road Name: FS 22 County: Grays Harbor 1/4 Section: NW Section: 35 Township: 22N

08W

unnamed

Falls Cr 22.0307

22.0000

Physical

**US Forest Service** 

Federal

### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.35432

 Longitude:
 -123.66831

 WA state plane south (NAD 27, feet)

East: 1,215,165 North: 752,840

#### **Location / Directions:**

Water crossing is approximately 0.9 miles south of the FS 22/2200.340 junction.

Site Comments:

OHW = 2.8 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout

Resident Trout

Dolly/Bull Trout

☐ Chum
☐ Chinook
✔ Coho

ook Brook Trout
Brown Trout

Steelhead

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/8/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.85
OHW (m)	4.20
Max Depth (m)	0.56

### CHANNEL DESCRIPTION

Toe Width (m)	2.61
Span/Toe Ratio	0.57

#### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.76
Length (m)	14.21
Slope (%)	5.80
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

Pipe 2.2 is on left bank.



### **Mason Conservation District**

### Site ID:

PI:

### 127Y0239

Fish Use:

Jse: Yes

Barrier: Yes

### **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	14.10
Slope (%)	5.90
Bed Material	No
Outfall Drop (m)	0.27
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

LWD jam directly downstream of culvert. Pipe 1.2 is on right bank.



### **Mason Conservation District**

Site ID:

PI:

127Y0240

Fish Use:

Unk

Barrier: Yes

### SITE DESCRIPTION

### GENERAL LOCATION

Road Name:	FS 2372.02
County:	Grays Harbor
1/4 Section:	SE
Section:	21
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.38086	
Longitude:	-123.57307	
WA state plane south (NAD 27, feet)		
East:	1,239,132	
North:	761 580	

### EVALUATION LEVEL COMPLETED

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

### WATERBODY

Stream:	Anderson Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0309
Fish Use:	Unk
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 1.65 miles north of the FS 2372.02/2372 junction.

Stream channel has veered around culvert,

probable gradient barrier downstream.

#### SPECIES POTENTIAL

FLUIL	SPOILNIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

### OWNER

Name:	US Forest Service
Type:	Federal

### LEVEL A ANALYSIS

### **SUMMARY INFORMATION**

Review Date:	6/22/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

### PLUNGE POOL DESCRIPTION

Length (m)	1.80
OHW (m)	1.60
Max Depth (m)	0.40
CHANNEL DESCRI	PTION
Toe Width (m)	

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	12.37
Slope (%)	17.10
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

### Culvert Comments:

Span/Toe Ratio

Culvert appears to have failed, water is coming over road during high flows. Downstream end of pipe is bent and has grade break.



**Mason Conservation District** 

Site ID:	12
----------	----

PI:

7Y0241

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

No

Barrier:

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#### **GENERAL LOCATION** Private Rd Road Name: Grays Harbor County: NE 1/4 Section: Section: 32 19N Township: 08W Range:

#### **POSITIONAL DATA**

**Location / Directions:** 

OHW = 0.4 meters.

road.

WGS 84, decimal de	egrees
Latitude:	47.09292
Longitude:	-123.70107

WA state plane south (NAD 27, feet)

1,203,183 657,903 North:

Water crossing is approximately 0.2 miles north of Wynoochee Wishkah Rd, on private logging

### SF

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

### WATERBODY

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

### Site Comments:

### OWNER

Name:	Cedartone Specialties Inc
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)	3.45
OHW (m)	2.13
Max Depth (m)	0.29

### CHANNEL DESCRIPTION

Toe Width (m)	0.40
Span/Toe Ratio	

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.91
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.50
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0242

Fish Use:

No

Barrier:

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GENERAL LOCA	ATION	POSITIONAL DATA	<b>L</b>	EVALU	ATION LEVEL	COMPLETED
Road Name:	A-310 spur	WGS 84, decimal de	egrees		Report Logg	ed
County:	Grays Harbor	Latitude:	Latitude: 47.10050		Field Review	1
1/4 Section:	SE	Longitude:	-123.70381		Threshold De	etermination
Section:	29	WA state plane sout	h (NAD 27, feet)		Expanded Th	nreshold Determination
Township:	19N	East:	1,202,614		Downstream	Check
Range:	W80	North:	660,692		Physical Sur	vey
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIA	I
Stream:	unnamed	Water crossing is ap	proximately 0.1 miles south	□ D	Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of A-300 on the A-31	10 spur.		Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		OHW = 0.55 meters			Coho Steelhead	Brown Trout
Name:	Weyerhaeuser Company					
Type:	Private					

### SUMMARY INFORMATION

Review Date:	7/19/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
-1 - ( )	
CHANNEL DESCR	RIPTION
. ,	RIPTION

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
0.47
0.43
No
0.96
0.02
No
No



**Mason Conservation District** 

Site ID: **127Y0243** Fish Use: PI: Barrier:

No

SITE DESCR	RIPTION					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	A-310 spur	WGS 84, decimal de	grees	Report Logged		
County:	Grays Harbor	Latitude:	Latitude: 47.09951		Field Review	
1/4 Section:	SE	Longitude:	-123.70386		Threshold De	etermination
Section:	29	WA state plane south	n (NAD 27, feet)		Expanded Th	reshold Determination
Township:	19N	East:	1,202,587		Downstream	Check
Range:	W80	North:	660,331		Physical Surv	/ey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAI	
Stream:	unnamed	Water crossing is ap	proximately 0.2 miles south	3FECIL	Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of A-300 on the A-31			Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No					Brook Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brown Trout
OWNER		OHW= 0.3 meters.			Coho Steelhead	Blown Hout
Name:	Weyerhaeuser Company					
Туре:	Private					
. =						
LEVEL A AN	IALYSIS					
SUMMARY INFO	ORMATION	PLUNGE POOL DES	SCRIPTION	POTEN	ITIAL HABITAT	Γ GAIN
Review Date:	7/19/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRI	PTION	Rearing	<b>.</b> ,	
Method		CHANNEL DESCRI	TION	rtoaring	, (04 111)	

### **CULVERT DESCRIPTION**

Repair Status

Problem

1.1
RND
CST
0.47
0.47
No
0.78
0.01
No
No

### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

Measurements taken at US end.



**Mason Conservation District** 

Site ID:

PI:

127Y0244

Fish Use:

No

Barrier:

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GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	A-310 spur	WGS 84, decimal de	grees		Report Logge	d
County:	Grays Harbor	Latitude:	47.09778	<b>✓</b>	Field Review	
1/4 Section:	SE	Longitude:	-123.70334		Threshold De	termination
Section:	29	WA state plane south (NAD 27, feet)			Expanded Thi	reshold Determination
Township:	19N	East:	1,202,691		Downstream (	Check
Range:	08W	North:	659,697		Physical Surv	rey
WATERBODY		Location / Direction	is:	SDECI	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.30 miles	JF E GIL	Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	south of A-300 on the			•	
WRIA:	22.0000				Pink	Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
	,	OHW = 0.48 meters.			Coho	Brown Trout
OWNER					Steelhead	
Name:	Weyerhaeuser Company					

### **LEVEL A ANALYSIS**

Type:

### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Private

### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.45	

1.03

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	1.08
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

Span/Toe Ratio

Cascades at outfall with no plunge pool.



**Mason Conservation District** 

Site ID:

PI:

127Y0245

Fish Use:

No

Barrier:

SITE	DESCRIP	TION
------	---------	------

#### **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged A-310 spur WGS 84, decimal degrees Road Name: Field Review Grays Harbor Latitude: 47.09641 County: -123.70307 Threshold Determination Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 29 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,202,738 Physical Survey 08W 659,195 Range: North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.4 miles south Tributary To: Wynoochee R 22.0311 of A-300 on the A-310 spur. WRIA: 22.0000 Fish Use:

### OWNER

FUP Criteria:

Name:	Weyerhaeuser Company
Type:	Private

Physical

### Site Comments:

OHW = 0.55 meters.

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

### **LEVEL A ANALYSIS**

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	7/19/2004	Length (m)	Survey Type:	
Field Crew:	Haque/Lutz	OHW (m)	Length (m):	
Barrier		Max Depth (m)	Spawning (sq m)	
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)	
Method			. roaming (oq m)	
Repair Status		Toe Width (m)		
Problem		Span/Toe Ratio		

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.44
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

### **Culvert Comments:**

Measurements and photo taken at upstream



### **Mason Conservation District**

Site ID:

PI:

127Y0246

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

### **GENERAL LOCATION**

Road Name:	A-300
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	19N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.10045	
Longitude:	-123.70240	
WA state plane south (NAD 27, feet)		
Fast:	1,202,964	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.2 miles east of the Upper Donovan A-line/A-300 line junction.

660,659

FCIE	SPOTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
<b>~</b>	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

### OWNER

Name:	Weyerhaeuser Company
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

### PLUNGE POOL DESCRIPTION

Length (m)	3.78	
OHW (m)	3.14	
Max Depth (m)	0.41	
CHANNEL DESCRIPTION		
Toe Width (m)	0.90	

1.68

POTENTIAL	HABITAT	GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.51
Rise (m)	1.16
Length (m)	18.28
Slope (%)	0.33
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

Span/Toe Ratio

Culvert beveled upstream.



**Mason Conservation District** 

Site ID:

PI:

127Y0247

Fish Use:

No

Barrier:

١

GENERAL LOCATION		
Road Name:	D-line	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	15	
Township:	19N	
Range:	08W	

### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.12994	
Longitude:	-123.67167	
WA state plane south (NAD 27, feet)		
East:	1,211,044	
North:	671,098	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

Stream:	unnamed
Tributary To:	Helm Cr 22.0288
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

### **Location / Directions:**

**Site Comments:**OHW = 0.55 meters.

Water crossing is approximately 0.9 miles north of the D-Line/A-600 junction.

### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

### OWNER

Name:	Weyerhaeuser Company
Type:	Private

### **LEVEL A ANALYSIS**

### SUMMARY INFORMATION

Review Date:	7/19/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION				

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

Wetland habitat upstream.



**Mason Conservation District** 

127Y0248 Site ID: Fish Use: No PI: Barrier:

SITE DESCR	AIF HON					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	D-2700	WGS 84, decimal degrees			Report Logg	ed
County:	Grays Harbor	Latitude:	47.13015	<b>✓</b>	Field Review	I
1/4 Section:	SW	Longitude:	-123.66300		Threshold D	etermination
Section:	15	WA state plane south (NA	AD 27, feet)		Expanded Threshold Determination	
Township:	19N	East:	1,213,203		Downstream Check	
Range:	W80	North:	671,087		Physical Sur	vey
WATERBODY		Location / Directions:		SPECII	ES POTENTIA	L
Stream:	unnamed	Water crossing is approxi	mately 0.35 miles east		Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of D-line/D-2700 junction.			Pink	Resident Trout
WRIA:	22.0000			Chum	Dolly/Bull Trout	
Fish Use:	No	Site Comments:		Chinook	Brook Trout	
FUP Criteria:	Physical			Coho	Brown Trout	
OWNER		OHW = 0.4 meters.			Steelhead	Blown Hout
Name:	Weyerhaeuser Company					
Туре:	Private					
LEVEL A AN	IALYSIS					
SUMMARY INFO	DRMATION	PLUNGE POOL DESCR	IPTION	POTEN	ITIAL HABITA	T GAIN
Review Date:	7/19/2004	Length (m)		Survey	Type:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRIPTIO	M	Rearing	,	
Method		CHANNEL DESCRIPTIO	IN .	Nearing	y (34 III)	
Danair Ctatus		Toe Width (m)				

### **CULVERT DESCRIPTION**

Repair Status

Problem

1.1
RND
PVC
0.60
0.60
No
0.43
0.01
No
No

### **Culvert Comments:**

Span/Toe Ratio

Wetland vegetation upstream.



### **Mason Conservation District**

Site ID:

PI:

127Y0249

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

### **GENERAL LOCATION**

Road Name:	7517
County:	Grays Harbor
1/4 Section:	SW
Section:	26
Township:	20N
Range:	08W

### **POSITIONAL DATA**

WGS 84, decimal degrees			
Latitude:	47.18555		
Longitude:	-123.64246		
WA state plane south (NAD 27, feet)			
East:	1,219,117		
North:	691,074		

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
Yes
Physical

#### **Location / Directions:**

**Site Comments:**OHW = 0.75 meters.

Water crossing is approximately 0.5 miles north of the 7517/7517X junction.

### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Staalhaad	

### OWNER

Name:	Grays Harbor
Type:	County

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

### PLUNGE POOL DESCRIPTION

Length (m)	2.70
OHW (m)	1.25
Max Depth (m)	0.35
CHANNEL DESCRI	PTION
Toe Width (m)	0.67

0.91

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.62
15.77
12.20
No
0.45
0.00
No
4.00
No

### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:	127Y0250	Fish Use:	No
PI:		Barrier:	

### SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	7517	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.18799	<b>✓</b>	Field Review	
1/4 Section:	SW	Longitude:	-123.64396		Threshold Dete	ermination
Section:	26	WA state plane sou	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	20N	East:	1,218,778	Downstream Check		
Range:	W80	North:	691,977		Physical Surve	у
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.7 miles north		Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of the 7517/7517X ju	unction.		Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No				Chinook	Brook Trout
FUP Criteria:	Physical	Site Comments:				Brown Trout
OWNER		OHW = 0.5 meters.			Coho Steelhead	Blowil Hout
Name:	Grays Harbor					
Type:	County					
LEVEL A ANALYSIS						
SUMMARY INFORMATION		PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT (	GAIN
Review Date:	7/19/2004	Length (m)		Survey <sup>-</sup>	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length (	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCR	IPTION	Rearing	• • •	

### **CULVERT DESCRIPTION**

Method

Problem

Repair Status

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID: 127Y0251

PI:

Fish Use:

Barrier:

No

### SITE DESCRIPTION

GENERAL LOCATION			
Road Name:	7517		
County:	Grays Harbor		
1/4 Section:	NW		
Section:	26		
Township:	20N		
Range:	W80		

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.18929	
Longitude:	-123.64490	
WA state plane south (NAD 27, feet)		
East:	1,218,564	
North:	692,463	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### Location / Directions:

Site Comments: OHW = 0.55 meters.

Water crossing is approximately 0.8 miles north of the 7517/7517X junction.

### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

### OWNER

Name:	Grays Harbor
Туре:	County

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

2.10		
1.00		
0.35		
CHANNEL DESCRIPTION		
0.50		

0.90

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.90
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.50
Tidegate	No

## **Culvert Comments:**

Span/Toe Ratio

Wetland vegetation upstream.



**Mason Conservation District** 

Site ID: **127Y0252** 

Fish Use: No

Barrier:

### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	7517
County:	Grays Harbor
1/4 Section:	NW
Section:	26
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.19011	
Longitude:	-123.64400	
WA state plane south (NAD 27, feet)		
East:	1,218,799	
North:	692,750	

PI:

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### **Location / Directions:**

**Site Comments:**OHW = 0.35 meters.

Water crossing is approximately 0.9 miles north of the 7517/7517X junction

### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolhood	

### OWNER

Name:	Grays Harbor
Туре:	County

### LEVEL A ANALYSIS

### SUMMARY INFORMATION

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)	2.05	
OHW (m)	1.80	
Max Depth (m)	0.31	
CHANNEL DESCRIPTION		

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1		
RND		
PVC		
0.48		
0.47		
0.02		
0.03		
No		
1.00		
No		

### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio



**Mason Conservation District** 

Site ID: **127Y0253** 

PI:

Fish Use:

No

### Barrier:

### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7517	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	26	
Township:	20N	
Range:	W80	

### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.19083	
Longitude:	-123.63405	
WA state plane south (NAD 27, feet)		
East:	1,221,283	
North:	692,915	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### **Location / Directions:**

Site Comments: OHW = 0.5 meters.

### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
$\Box$	Coho	Brown Trout
	Stoolhood	_

### OWNER

Name:	Weyerhaeuser Company
Type:	Private

### **LEVEL A ANALYSIS**

### SUMMARY INFORMATION PLU

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.50	

0.90

#### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
0.45
0.45
Yes
0.00
0.00
No
1.00
No

### **Culvert Comments:**

Span/Toe Ratio



### **Mason Conservation District**

Site ID:

PI:

127Y0254

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

No

Barrier: Unk

### SITE DESCRIPTION

#### **GENERAL LOCATION** 7517 Road Name: Grays Harbor County: NE 1/4 Section: Section: 26 20N Township: 08W Range:

#### **POSITIONAL DATA**

Location / Directions:

Site Comments: OHW = 0.55 meters.

WGS 84, decimal degrees 47.19183 Latitude: -123.63166 Longitude:

WA state plane south (NAD 27, feet) 1,221,891 693,257 North:

Water crossing is approximately 0.1 miles northeast of the 7517/7517U junction.

### s

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

### WATERBODY

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

### **OWNER**

Name:	Weyerhaeuser Company
Туре:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LA
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	
Span/Toe Ratio	

### POTENTIAL HABITAT GAIN

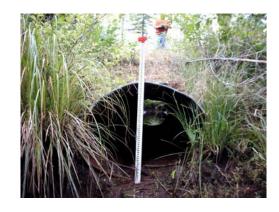
Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

### **CULVERT DESCRIPTION**

1.1
SQSH
CST
1.40
1.00
Yes
0.00
0.01
No
1.00
No

### **Culvert Comments:**

Wetland habitat upstream and downstream, no toe width available to complete level A. Culvert appears to be 100% passable.



### **Mason Conservation District**

Site ID:

PI:

127Y0255

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

GENERAL L	OCATION
-----------	---------

Road Name:	7517
County:	Grays Harbor
1/4 Section:	SE
Section:	23
Township:	20N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	47.19858
Longitude:	-123.64183
MA state plane south (NAD 27 feet)	

· · · · · · · · · · · · · · · · · · ·	
East:	1,219,463
North:	695,815

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### Location / Directions:

Site Comments: OHW = 1.6 meters.

Water crossing is approximately 100 meters

north of the 7517/7517P junction.

### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

### OWNER

Name:	en Diamond Resource Comp
Type:	Private

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

### PLUNGE POOL DESCRIPTION

Length (m)	2.35
OHW (m)	1.60
Max Depth (m)	0.45
CHANNEL DESCRIPTION	

0.70

0.64

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

***************************************	
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	12.18
Slope (%)	3.10
Bed Material	No
Outfall Drop (m)	2.10
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



### **Mason Conservation District**

Site ID:

PI:

127Y0256

Fish Use: Barrier: Yes

Yes

### SITE DESCRIPTION

GENERAL	LOCATION

Road Name:	7517
County:	Grays Harbor
1/4 Section:	NW
Section:	23
Township:	20N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude:	47.20415
Longitude:	-123.64885
WA state plane south (NAD 27, feet)	
Fast:	1,217,800
North:	697,916
North.	,,,

### EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### **Location / Directions:**

**Site Comments:**OHW = 0.55 meters.

Water crossing is approximately 100 meters east of the 7517/7517L junction.

### SPECIES POTENTIAL

	OI OILMINAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

### OWNER

Name:	en Diamond Resource Com
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

### PLUNGE POOL DESCRIPTION

Length (m)	3.70
OHW (m)	1.95
Max Depth (m)	0.55
CHANNEL DESCRIPTION	

0.90

0.52

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

00212.11.0200	
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.37
Rise (m)	0.40
Length (m)	12.22
Slope (%)	1.30
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.00
Tidegate	No

### Culvert Comments:

Toe Width (m)

Span/Toe Ratio



### **Mason Conservation District**

Site ID:

PI:

127Y0257

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

#### Barrier: Yes

### SITE DESCRIPTION

### **GENERAL LOCATION**

Road Name:	7406
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments: OHW = 1.1 meters.

WGS 84, decimal degrees	
Latitude:	47.20689
Longitude:	-123.63535

WA state plane south (NAD 27, feet)

1,221,192 698,781 North:

Water crossing is approximately 0.3 miles south of the 7405/7406 junction.  $\label{eq:water}$ 

### SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
Yes
Mapped

### OWNER

Name:	en Diamond Resource Com
Type:	Private

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

### PLUNGE POOL DESCRIPTION

Length (m)	2.44
OHW (m)	1.78
Max Depth (m)	0.14
CHANNEL DESCRIPTION	

Toe Width (m)	0.62
Span/Toe Ratio	1.48

#### POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sg m)	

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.89
Length (m)	15.48
Slope (%)	8.00
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.00
Tidegate	No



### **Mason Conservation District**

Site ID:

PI:

47.20664

127Y0258

Fish Use: Barrier:

Yes

Yes

### SITE DESCRIPTION

### **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	7406
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	W80

unnamed

Wynoochee R 22.0311

22.0000

Yes

Mapped

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84,	decimal	degrees
Latituda:		

Longitude:	-123.63529
WA state plane sout	h (NAD 27, feet)

1,221,203 East: 698,689

### **Location / Directions:**

North:

Water crossing is approximately 0.35 miles south of the 7405/7406 junction.

### Site Comments:

OHW = 1.05 meters.

### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

### **SPECIES POTENTIAL**

Sockeye	✓ Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout

Brown Trout

Coho

Steelhead

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

### PLUNGE POOL DESCRIPTION

Length (m)	3.85
OHW (m)	3.05
Max Depth (m)	0.25

### CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	1.50

#### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
1.05
1.08
18.57
4.00
No
0.00
0.05
No
4.00
No



### **Mason Conservation District**

Site ID:

PI:

127Y0259

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

### **GENERAL LOCATION**

Road Name:	7405
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	20N
Range:	W80

unnamed

Wynoochee R 22.0311

22.0000

Yes

Mapped

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.21166	
Longitude:	-123.63603	

WA state plane south (NAD 27, feet)

East: 1,221,092

North: 700,528

### Location / Directions:

Water crossing is approximately 0.9 miles east of the A-line/7405 junction.

### Site Comments:

OHW = 1.45 meters.

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

### OWNER Name:

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	en Diamond Resource Comp
Туре:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

### PLUNGE POOL DESCRIPTION

Length (m)	6.05
OHW (m)	3.50
Max Depth (m)	0.75

### CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.96

#### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.06
Rise (m)	1.06
Length (m)	24.78
Slope (%)	4.90
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.03
Apron	No
Fill Depth (m)	4.50
Tidegate	No

### **Mason Conservation District**

Site ID:

PI:

127Y0260

Fish Use:

Yes

Barrier: No

### SITE DESCRIPTION

### GENERAL LOCATION

Road Name:	7400
County:	Grays Harbor
1/4 Section:	SW
Section:	14
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.22466	
Longitude:	-123.65059	
WA state plane south (NAD 27, feet)		
East:	1,217,666	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### **Location / Directions:**

Site Comments:

OHW = 1.15 meters.

North:

Water crossing is approximately 0.6 miles north of the Upper Donovan A-line/7400 junction.

705,409

#### SPECIES POTENTIAL

FEGILS FOTENTIAL		
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

### OWNER

Name:	Lawrence Corp./J. Lawrence
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.00	
Span/Toe Ratio	1.45	

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
1.45
1.45
18.75
0.30
Yes
0.00
0.05
No
2.00
No

### **Culvert Comments:**

Riffles at downstream end of pipe, no plunge pool.



### **Mason Conservation District**

Site ID:

PI:

127Y0261

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	7400
County:	Grays Harbor
1/4 Section:	SE
Section:	3
Township:	20N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.24052	
Longitude:	-123.65397	
WA state plane south (NAD 27, feet)		
East: 1,217,057		
North:	711.224	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
Yes
Mapped

### Location / Directions:

Site Comments: OHW = 2.6 meters.

Water crossing is approximately 0.5 miles east of the Upper Donovan A-line/7400 junction.

### SPECIES POTENTIAL

•			
		Sockeye	Sea Run Cutthroa
		Pink	Resident Trout
		Chum	Dolly/Bull Trout
		Chinook	Brook Trout
	$\checkmark$	Coho	Brown Trout
		Steelhead	

### OWNER

Name:	en Diamond Resource Comp
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/20/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

### PLUNGE POOL DESCRIPTION

Length (m)	3.94	
OHW (m)	4.74	
Max Depth (m)	0.33	
CHANNEL DESCRI	,	
CHANNEL DESCRI	HON	
Toe Width (m)	2.05	

0.71

### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

•	1.1
Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.45
Rise (m)	0.95
Length (m)	13.10
Slope (%)	1.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

Span/Toe Ratio

Flagging at culvert: "300+50".



#### **WRIA 22 Fish Passage Inventory** Site ID: 127Y0262 Fish Use: No PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged 4210.14 WGS 84, decimal degrees Road Name: Grays Harbor 47.20397 **~** Field Review Latitude: County: -123.65431 Threshold Determination NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 22 WA state plane south (NAD 27, feet) Downstream Check 20N Township: 1,216,440 08W Physical Survey Range: 697,906 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 100 meters Sockeye Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 northeast of the 4210/4210.14 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: No **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.35 meters. Timber puncheon. **OWNER** Steelhead ayonier Timberlands Oprtg C Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: Length (m) Survey Type: Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status Span/Toe Ratio Problem **CULVERT DESCRIPTION Culvert Comments:** Sequencer: Shape Material Span (m) Rise (m) Length (m)

Slope (%)
Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

**Mason Conservation District** 

Site ID:

PI:

127Y0263

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

No

Barrier:

SIT			

GENERAL LOCATION		
Road Name:	4210	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	22	
Township:	20N	
Range:	W80	

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments: OHW = 0.5 meters.

WGS 84, decimal de	grees	
Latitude:	47.19830	
Longitude:	-123.65587	

WA state plane south (NAD 27, feet) East: 1,215,971 695,855 North:

Water crossing is approximately 75 meters north of the 4210/4210.2 junction.

### S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Stoolhood	

### WATERBODY

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

### OWNER

Name:	ayonier Timberlands Oprtg C
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/21/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	0.90
Max Depth (m)	0.20

### CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	0.92

### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
0.46
0.46
Unk
0.00
0.00
No
1.50
No



**Mason Conservation District** 

Site ID:

PI:

127Y0264

Fish Use:

No

Barrier:

SIT	ΓF	ח	F	SC	RI	PΤ	ΠI	a	٨
<b>J</b>	_	$\boldsymbol{L}$	_	J	ıvı			u	

GENERAL LOCATION		
Road Name:	A-1100	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	36	
Township:	19N	
Range:	W80	

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.08557	
Longitude:	-123.62108	
WA state plane south (NAD 27, feet)		
East:	1,222,987	
North:	654,424	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0277
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments: OHW = 0.5 meters.

Water crossing is approximately 2.6 miles northeast of the A-1100/A-1000 junction.

### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

### OWNER

Name:	Weyerhaeuser Company
Type:	Private

### **LEVEL A ANALYSIS**

### SUMMARY INFORMATION

Review Date:	7/22/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)	1.05
OHW (m)	0.70
Max Depth (m)	0.40
CHANNEL DESCRIPTION	

0.50

1.25

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
CST
0.62
0.62
No
0.40
0.01
No
5.00
No

### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0265

Fish Use:

Yes

Barrier: No

### SITE DESCRIPTION

### **GENERAL LOCATION** A-1100 Road Name:

Grays Harbor County: SW 1/4 Section: Section: 11 18N Township: 08W

### **POSITIONAL DATA**

WGS 84, decimal degrees

47.05789 Latitude: -123.64760 Longitude: WA state plane south (NAD 27, feet) 1,215,982 644,601 North:

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

Range:

Stream: unnamed Tributary To: Bitter Cr 22.0274 WRIA: 22.0000 Fish Use: FUP Criteria: Mapped

#### Location / Directions:

Site Comments:

OHW = 2.6 meters.

Water crossing is approximately 0.1 miles northeast of the A-1100/A-1000 junction.

### SPECIES POTENTIAL

PECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

### OWNER

Mary V. Brumfield Name: Private Type:

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/22/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

### PLUNGE POOL DESCRIPTION

Length (m)	11.50	
OHW (m)	3.30	
Max Depth (m)	0.40	
CHANNEL DESCRIPTION		

#### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.84
Rise (m)	1.45
Length (m)	14.66
Slope (%)	0.39
Bed Material	Yes
Outfall Drop (m)	0.10
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Toe Width (m)	0.70
Span/Toe Ratio	2.63

### **Culvert Comments:**

Debris fence around upstream end of culvert. Culvert is beveled.



### **Mason Conservation District**

Site ID:

PI:

127Y0266

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7500	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	3	
Township:	20N	
Range:	W80	

### **POSITIONAL DATA**

WGS 84, decimal de	grees	
Latitude:	47.24088	
Longitude:	-123.66613	
WA state plane south (NAD 27, feet)		
East:	1,214,045	
NI	711 <i>4</i> 76	

## **EVALUATION LEVEL COMPLETED**Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### **Location / Directions:**

Site Comments: OHW = 0.8 meters.

### SPECIES POTENTIAL

I LOILO I C	/ I LIVIIAL	
Soc	keye	Sea Run Cutthroa
Pinl	k	✓ Resident Trout
Chu	ım	Dolly/Bull Trout
Chi	nook	Brook Trout
<b>✓</b> Coh	10	Brown Trout
Ste	elhead	

### OWNER

Name:	en Diamond Resource Com
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

### PLUNGE POOL DESCRIPTION

Length (m)				
OHW (m)				
Max Depth (m)				
CHANNEL DESCRIPTION				
Toe Width (m)	0.77			
Span/Toe Ratio	1.18			

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	29.07
Slope (%)	1.40
Bed Material	No
Outfall Drop (m)	4.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	6.00
Tidegate	No

### **Culvert Comments:**

Outfall is onto series of cascades, no plunge pool.



### **Mason Conservation District**

Site ID:

PI:

127Y0267

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

#### **GENERAL LOCATION** Road Name: 7420

Grays Harbor County: SW 1/4 Section: Section: 3 20N Township: 08W

### POSITIONAL DATA

WGS 84, decimal degrees

47.25772 Latitude: -123.67310 Longitude: WA state plane south (NAD 27, feet)

1,212,563 717,682 North:

# **EVALUATION LEVEL COMPLETED**

Report Logged Field Review

Threshold Determination **Expanded Threshold Determination** 

Downstream Check Physical Survey

### WATERBODY

Range:

OWNER

Name:

Type:

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

en Diamond Resource Comp

Private

#### **Location / Directions:**

Water crossing is approximately 1.3 miles north of the 7400/7420 intersection.

Site Comments:

### SPECIES POTENTIAL

	Sockeye	<b>✓</b>
	Pink	~
٦	Chum	

Resident Trout Dolly/Bull Trout **Brook Trout** 

Brown Trout

Sea Run Cutthroat

Chinook Coho

### Steelhead

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.31
OHW (m)	3.89
Max Depth (m)	0.67

### CHANNEL DESCRIPTION

Toe Width (m)	1.23
Span/Toe Ratio	0.83

#### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.02
Rise (m)	1.05
Length (m)	16.14
Slope (%)	5.50
Bed Material	No
Outfall Drop (m)	0.39
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0268

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Unk

Barrier: Unk

S	IT	Ε	D	ES	CR	IP.	TIC	OI	٧
---	----	---	---	----	----	-----	-----	----	---

# GENERAL LOCATION Road Name: 7400 County: Grays Harbor 1/4 Section: SE Section: 14 Township: 20N Range: 08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

junction.

Site Comments:

 Latitude:
 47.21203

 Longitude:
 -123.63300

 WA state plane south (NAD 27, feet)

East: 1,221,850

North: 700,633

Water crossing is located at the 7400/7400a

### Physical Survey

SPECIES POTENTIAL	L
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout

### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Wynoochee R 22.0311

 WRIA:
 22.0000

 Fish Use:
 Unk

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		

### POTENTIAL HABITAT GAIN

Steelhead

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.41
Rise (m)	0.46
Length (m)	12.44
Slope (%)	0.27
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	1.00
Tidegate	No

### **Culvert Comments:**

Wetlands/beaver ponds upstream and downstream. Level B not applicable due to lack of downstream control.



### **Mason Conservation District**

Site ID:

PI:

127Y0269

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	B-3000
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	18N

08W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.07290	
Longitude:	-123.68288	
WA state plane south (NAD 27, feet)		
Fact:	1 207 417	

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Unnamed 22.0286
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

North:

Water crossing is approximately 0 .5 miles east of the B-3000/Wynoochee Valley Rd junction.

Wetland habitat upstream and downstream.

650,425

#### SPECIES POTENTIAL

PECIES	POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

### OWNER

Name:	Weyerhaeuser Company
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

### PLUNGE POOL DESCRIPTION

Length (m)	4.00	
OHW (m)	2.20	
Max Depth (m)	0.35	
CHANNEL DESCRIPTION		

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

1.1
RND
PVC
0.91
0.91
14.73
-0.20
No
0.10
0.00
No
1.00
No

### CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

### **Culvert Comments:**

Poorly defined stream channel.



### **Mason Conservation District**

Site ID:

PI:

127Y0270

EVALUATION LEVEL COMPLETED

Report Logged

Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	7320
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

Location / Directions:

Site Comments:

WGS 84, decimal degrees	
Latitude:	47.22440
Longitude:	-123.62901

WA state plane south (NAD 27, feet)

East: 1,223,019
North: 705,102

Water crossing is approximately 0.15 miles northwest of the 7320/7320 junction.

### SPECIES POTENTIAL

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
Yes
Physical

### OWNER

Name:	en Diamond Resource Comp
Type:	Private

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	7/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

### PLUNGE POOL DESCRIPTION

Length (m)	4.20
OHW (m)	2.70
Max Depth (m)	0.50

### **CHANNEL DESCRIPTION**

Toe Width (m)	1.20
Span/Toe Ratio	1.05

### POTENTIAL HABITAT GAIN

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

### **CULVERT DESCRIPTION**

_	
Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	8.15
Slope (%)	2.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

### **Culvert Comments:**

Pipe 1.2 is on left bank.



### **Mason Conservation District**

### Site ID: PI:

### 127Y0270

### Fish Use:

Yes

Barrier: Yes

### **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	8.26
Slope (%)	3.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

### **Culvert Comments:**

Pipe 2.2 is on right bank.



**Mason Conservation District** 

Site ID: 127Y0271

Fish Use: No

Barrier:

### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	O-600
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	21N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.32383	
Longitude:	-123.63340	
WA state plane south (NAD 27, feet)		
East:	1,223,371	
North:	741,381	

PI:

### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

### WATERBODY

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

### **Location / Directions:**

Water crossing is approximately 0.9 miles west of the O600/FS 22 junction.

### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

### OWNER

Name:	en Diamond Resource Com
Type:	Private

### OHW = 0.55 meters.

Site Comments:

### **LEVEL A ANALYSIS**

### **SUMMARY INFORMATION**

Review Date:	8/3/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION	
Length (m)	
OHW (m)	

# Max Depth (m)

### CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

### **POTENTIAL HABITAT GAIN**

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

### **CULVERT DESCRIPTION**

Sequencer:	1.1			
Shape	RND			
Material	CST			
Span (m)	0.45			
Rise (m)	0.45			
Length (m)				
Slope (%)				
Bed Material	No			
Outfall Drop (m)	0.06			
WDIC (m)	0.00			
Apron	No			
Fill Depth (m)	1.00			
Tidegate	No			

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2004.08				

#### **Mason Conservation District**

Site ID:

PI:

127Y0272

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION				
Road Name:	O-600			
County:	Grays Harbor			
1/4 Section:	NE			
Section:	12			
Township:	21N			
Range:	W80			

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.32435

Longitude: -123.63427

WA state plane south (NAD 27, feet)

East: 1,223,161

741,579

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

OHW = 0.85 meters.

North:

Water crossing is approximately 0.95 miles west of the O600/FS 22 junction.

#### SPECIES POTENTIAI

FLCIL	SPOILNIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

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

#### PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.80		
Span/Toe Ratio	0.93		

#### POTENTIAL HABITAT GAIN

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	12.41
Slope (%)	4.90
Bed Material	No
Outfall Drop (m)	0.44
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Unable to measure plunge pool due to log at downstream end.



**Mason Conservation District** 

Site ID: 12

PI:

127Y0273

Fish Use:

No

Barrier:

SI	ΓF	DF	SC	RII	PTI	O	٨

# GENERAL LOCATION Road Name: FS 2371 County: Grays Harbor 1/4 Section: NE Section: 28 Township: 22N Range: 07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees			
Latitude:	47.36941		
Longitude:	-123.57755		
WA state plane south (NAD 27, feet)			
East:	1,237,859		
North:	757,451		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.1 miles south of the FS 2371/23 junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	US Forest Service
Tyne:	Federal

Poorly defined stream channel, OHW < 0.6 meters

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/5/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	8.00	
OHW (m)	5.67	
Max Depth (m)	0.50	
CHANNEL DESCRIPTION		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.00
Rise (m)	1.15
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio

W - W		
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2004.08.05		

**Mason Conservation District** 

Site ID:

PI:

127Y0274

Fish Use:

No

Barrier:

SIT	ΓF	ח	F	SC	RI	PΤ	ΠI	a	٨
<b>J</b>	_	$\boldsymbol{L}$	_	J	ıvı			u	

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d Determination d Threshold Determination am Check
d Threshold Determination am Check
am Check
Survey
ΠAL
Sea Run Cutthroat
Resident Trout
Dolly/Bull Trout
Brook Trout
☐ Brown Trout
ac

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/5/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.50	

0.63

# POTENTIAL HABITAT GAIN Survey Type:

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

#### **CULVERT DESCRIPTION**

	Г
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

10+ meter natural point barrier at downstream end of culvert. Road failing on downstream side.



**Mason Conservation District** 

Site ID:

PI:

127Y0275

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Road Name:	FS 2281
County:	Grays Harbor
1/4 Section:	SE
Section:	10
Township:	22N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.40340	
Longitude:	-123.68179	
WA state plane south (NAD 27, feet)		
East:	1,212,549	
North:	770,864	

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	WF Big Cr 22.0313
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

pipe. OHW = 1.3 meters.

Water crossing is approximately 0.25 miles north of the FS 2281/2281.180 junction.

Gradient barrier upstream and downstream.

Natural point barrier at downstream end of

#### **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/5/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	0.90
- 3 ( )	
OHW (m)	0.40
Max Depth (m)	0.07
1 ( )	
CHANNEL DESCRIPTION	

0.70

1.40

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

Recently replaced culvert.



#### **Mason Conservation District**

Site ID:

PI:

127Y0276

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: 420 County: Grays Harbor 1/4 Section: NE Section: 36 Township: 22N Range: 08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
47.35229		
-123.65462		
WA state plane south (NAD 27, feet)		
1,218,526		
751,965		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

Water crossing is located at the 420/400 junction.

#### SPECIES POTENTIAL

LOIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Туре:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/9/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	8.88
OHW (m)	5.35
Max Depth (m)	1.60
CHANNEL DESCRIPTION	

2.92

0.49

# POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.44
Rise (m)	1.53
Length (m)	23.74
Slope (%)	0.70
Bed Material	No
Outfall Drop (m)	0.16
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

Level B not applicable due to poorly defined downstream control.



**Mason Conservation District** 

Site ID:

PI:

127Y0277

Fish Use:

Yes

Barrier: No

# SITE DESCRIPTION GENERAL LOCATION

# Road Name: 400 County: Grays Harbor 1/4 Section: SE Section: 35 Township: 22N Range: 08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.34602	
Longitude:	-123.65984	
WA state plane south (NAD 27, feet)		
East:	1,217,141	
North:	749,731	

#### **EVALUATION LEVEL COMPLETED**

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW = 2.5 meters.

Water crossing is approximately 1.55 miles southeast of the FS 22/2200.400 junction.

#### SPECIES POTENTIAL

,, LOIL	OICITIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	8/9/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.75	
Span/Toe Ratio	0.87	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

	Г
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.52
Rise (m)	1.48
Length (m)	25.00
Slope (%)	0.56
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Riffles at downstream end of culvert, no plunge pool.



**Mason Conservation District** 

Site ID:

PI:

47.34521

749,541

127Y0278

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

Road Name:	400
County:	Grays Harbor
1/4 Section:	SW
Section:	35
Township:	22N
Range:	W80

Falls Cr

Wynoochee R 22.0311

22.0307

Yes

Physical

**US Forest Service** 

Federal

#### **POSITIONAL DATA**

WGS 84, decimal degrees Latitude:

-123.67045 Longitude: WA state plane south (NAD 27, feet)

1,214,502

#### **Location / Directions:**

North:

Water crossing is approximately 2.05 miles southeast of the FS 22/2200.400 junction.

#### Site Comments:

OHW = 3.3 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
--	---------------

Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout

✓ Resident Trout Dolly/Bull Trout

Brown Trout

Chum Chinook

**Brook Trout** 

Coho Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/9/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	10.10
OHW (m)	8.46
Max Depth (m)	1.00

#### CHANNEL DESCRIPTION

Toe Width (m)	2.80
Span/Toe Ratio	0.49

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.37
Rise (m)	1.37
Length (m)	26.59
Slope (%)	0.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.17
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0279

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	450
County:	Grays Harbor
1/4 Section:	SE
Section:	3
Township:	21N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.33444	
Longitude:	-123.68119	
WA state plane south (NAD 27, feet)		
East:	1,211,684	
North:	745,725	

#### EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
Larsen Cr 22.0306
22.0000
Yes
Physical

#### **Location / Directions:**

Site Comments: OHW = 1.4 meters.

Water crossing is approximately 0.35 miles north of the 450/451 junction.

#### SPECIES POTENTIAL

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

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.13	
Span/Toe Ratio	1.18	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.33
Rise (m)	1.37
Length (m)	15.34
Slope (%)	3.80
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Riffle at downstream end of culvert, no outfall or plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0280

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION				
Road Name:	450			
•	0			

 County:
 Grays Harbor

 1/4 Section:
 SW

 Section:
 3

Township: 21N
Range: 08W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Larsen Cr 22.0306

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.33186

 Longitude:
 -123.68836

 WA state plane south (NAD 27, feet)

East: 1,209,869
North: 744,854

#### **Location / Directions:**

Water crossing is approximately 0.3 miles west of the 450/451 junction.

Site Comments:

OHW = 0.6 meters.

#### **EVALUATION LEVEL COMPLETED**

Report Logged

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

Sockeye	
---------	--

Pink
Chum

Chinook

Coho
Steelhead

Dolly/Bull Trout

Brook Trout

✓ Sea Run Cutthroat

Resident Trout

Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

1.38
1.23
0.15

#### CHANNEL DESCRIPTION

Toe Width (m)	0.62
Span/Toe Ratio	1.89

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.17
Rise (m)	1.21
Length (m)	23.96
Slope (%)	14.90
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.02
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID: <b>127Y0281</b>		Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	450	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude: 47.33668		Field Review		
1/4 Section:	SW	Longitude:	-123.69052		Threshold Dete	rmination
Section:	3	WA state plane sout	th (NAD 27, feet)		Expanded Thre	shold Determination
Township:	21N	East:	1,209,405		Downstream Ch	neck
Range:	W80	North:	746,633		Physical Survey	1
WATERBODY		Location / Directions:		SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.1 miles east	3FECIE	Sockeye	Sea Run Cutthroat
Tributary To:	Larsen Cr 22.0306	of the 450/455 junction.			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No					Dolly/Bull Trout  Brook Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brown Trout
OWNER		OHW = 0.35 meters			Coho Steelhead	Blown Hout
Name:	en Diamond Resource Comp					
Type:	Private					
LEVEL A ANA	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN'	TIAL HABITAT O	SAIN
Review Date:	8/10/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length (	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCRI	DTION	Rearing		

#### **CULVERT DESCRIPTION**

Method

Problem

Repair Status

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.85
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Rearing (sq m)

**Mason Conservation District** 

Site ID:	127Y0282	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	450	WGS 84, decimal de	grees		Report Logged
County:	Grays Harbor	Latitude:	47.33829	<b>✓</b>	Field Review
1/4 Section:	NW	Longitude:	-123.69268		Threshold Determination
Section:	3	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	21N	East:	1,208,894		Downstream Check
Range:	W80	North:	747,241		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	S POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 0.2 miles	3FEGIE	Sockeye Sea Run Cutthroat
Tributary To:	Larsen Cr 22.0306	northeast of the 450/			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			
OWNER		OHW = 0.4 meters.			Coho Brown Trout Steelhead
Name:	en Diamond Resource Comp				
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	8/10/2004	Length (m)		Survey <sup>-</sup>	Туре:
Field Crew:	Haque/Lutz	OHW (m)		Length (	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	
Method			- HON	rtcamg	(04 111)
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

#### **CULVERT DESCRIPTION**

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

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID: 127Y0283 Fish Use: No PI: Barrier:

#### SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	457	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.33884	<b>✓</b>	Field Review
1/4 Section:	NW	Longitude:	-123.69176		Threshold Determination
Section:	3	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	21N	East:	1,209,130		Downstream Check
Range:	W80	North:	747,432		Physical Survey
WATERBODY		Location / Direction	ns:	SDEC1E	ES POTENTIAL
Stream:	unnamed	Water crossing is an	proximately 200 meters	JF E CIL	Sockeye Sea Run Cutthroat
Tributary To:	Larsen Cr 22.0306	northeast of the 457			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout  Coho Brown Trout
OWNER		OHW = 0.3 meters.			Coho Brown Trout Steelhead
Name:	en Diamond Resource Comp				
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	8/10/2004	Length (m)		Survey	Туре:
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	

#### **CULVERT DESCRIPTION**

Method

Problem

Repair Status

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.06
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

127Y0284

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Barrier:

Yes

Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** 400 Road Name: Grays Harbor County: NW1/4 Section: Section: 11 21N Township: 08W

#### **POSITIONAL DATA**

**Location / Directions:** 

of the 400/495 junction.

Site Comments:

OHW = 0.65 meters.

WGS 84, decimal degrees 47.33007 Latitude: -123.67239 Longitude:

WA state plane south (NAD 27, feet) 1,213,799 744,043 North:

Water crossing is approximately 0.1 miles east

#### S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Range:

Stream: unnamed Tributary To: Larsen Cr 22.0306 WRIA: 22.0000 Fish Use: Yes FUP Criteria: Physical

OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.57	

1.07

#### **POTENTIAL HABITAT GAIN**

Survey Type:	
Length (m):	
Spawning (sq m)	
opanning (oq m)	
Pooring (og m)	
Rearing (sq m)	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	12.11
Slope (%)	3.90
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Angled extension on downstream end of culvert.



#### **Mason Conservation District**

Site ID:

PI:

127Y0285

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

# Road Name: 400 County: Grays Harbor

 1/4 Section:
 NW

 Section:
 11

 Township:
 21N

Township: 21N
Range: 08W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Larsen Cr 22.0306

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

OWNER

Name: en Diamond Resource Comp Type: Private

#### POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.32906

 Longitude:
 -123.67005

 WA state plane south (NAD 27, feet)

East: 1,214,364

North: 743,650

#### **Location / Directions:**

Water crossing is approximately 0.2 miles east of the 400/495 junction.

Site Comments:

OHW = 1.85 meters.

#### **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

\_\_\_ Diov

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.02
OHW (m)	3.15
Max Depth (m)	0.48

#### CHANNEL DESCRIPTION

Toe Width (m)	1.74
Span/Toe Ratio	0.67

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.17
Rise (m)	1.22
Length (m)	29.90
Slope (%)	5.50
Bed Material	No
Outfall Drop (m)	0.82
WDIC (m)	0.04
Apron	No
Fill Depth (m)	6.50
Tidegate	No

#### **Culvert Comments:**

Upstream end of culvert is beveled.



**Mason Conservation District** 

Site ID:	127Y0286	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	400	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.32964	<b>✓</b>	Field Review
1/4 Section:	NE	Longitude:	-123.66100		Threshold Determination
Section:	11	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	21N	East:	1,216,616		Downstream Check
Range:	W80	North:	743,772		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is app	proximately 0.6 miles east	JF LOIL	Sockeye Sea Run Cutthroat
Tributary To:	Larsen Cr 22.0306	of the 400/495 junction			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No	Site Comments:			
FUP Criteria:	Physical				
OWNER		OHW = 0.5 meters.			Coho Brown Trout Steelhead
Name:	en Diamond Resource Comp				
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	8/10/2004	Length (m)		Survey '	Туре:
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnin	ng (sq m)
Passability (%)				•	
Method		CHANNEL DESCRI	TION	Rearing	(sq iii)
Popoir Status		Toe Width (m)			

#### **CULVERT DESCRIPTION**

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.89
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.08
WDIC (m)	0.02
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID: 127Y0287 Fish Use: No PI: Barrier:

#### SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA	<b>\</b>	EVALU	ATION LEVEL COMPLETED	
Road Name:	7400	WGS 84, decimal de	egrees		Report Logged	
County:	Grays Harbor	Latitude:	47.32869	<b>✓</b>	Field Review	
1/4 Section:	NE	Longitude:	-123.66180		Threshold Determination	
Section:	11	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determ	ination
Township:	21N	East:	1,216,403		Downstream Check	
Range:	W80	North:	743,433		Physical Survey	
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.4 miles			n Cutthroat
Tributary To:	Larsen Cr 22.0306	northeast of the 740				
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook T	
OWNER		OHW = 0.45 meters			Coho Brown T Steelhead	rout
Name:	en Diamond Resource Comp					
Type:	Private					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN	
Review Date:	8/10/2004	Length (m)		Survey	Type:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	

### CULVERT DESCRIPTION

Barrier
Passability (%)
Method
Repair Status
Problem

COLVERT DESCRIPTION		
Sequencer:	1.1	
Shape	RND	
Material	CST	
Span (m)	0.61	
Rise (m)	0.61	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)		
WDIC (m)	0.02	
Apron	No	
Fill Depth (m)	1.00	
Tidegate	No	

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Toe Width (m) Span/Toe Ratio		

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

#### **Culvert Comments:**



Ma

Site ID: 127Y0288 Fish Use: No ΡI· Barrier:

ason C	Conservation	District	PI.

#### SITE DESCRIPTION

#### **GENERAL LOCATION** 7400 Road Name: Grays Harbor County: NW 1/4 Section: Section: 11 21N Township: 08W Range:

# **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.32635	
Longitude:	-123.66830	
WA state plane south (NAD 27, feet)		
East:	1,214,758	
North:	742,646	

#### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review
Threshold Determination
Expanded Threshold Determination
Downstream Check
Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Larsen Cr 22.0306
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### Location / Directions:

Site Comments: OHW = 0.2 meters.

Water crossing is located at the 7400/7487 junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolboad	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004	
Field Crew:	Haque/Lutz	
Barrier		
Passability (%)		
Method		
Repair Status		
Problem		

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

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

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0289

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: 7400 County: Grays Harbor 1/4 Section: NW Section: 11 Township: 21N Range: 08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.32418	
Longitude:	-123.67192	
WA state plane south (NAD 27, feet)		
East:	1,213,830	
North:	741,892	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Larsen Cr 22.0306
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

**Site Comments:**OHW = 2.15 meters.

#### SPECIES POTENTIAL

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

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.92	
Span/Toe Ratio	0.76	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.46
Rise (m)	1.46
Length (m)	37.02
Slope (%)	16.90
Bed Material	No
Outfall Drop (m)	1.05
WDIC (m)	0.02
Apron	No
Fill Depth (m)	14.50
Tidegate	No

#### **Culvert Comments:**

Series of cascades at downstream end, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0290

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7486	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	11	
Township:	21N	

08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude:	47.32164	
Longitude:	-123.66966	
WA state plane south (NAD 27, feet)		
East:	1,214,352	
North:	740,943	

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Larsen Cr 22.0306
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments: OHW = 0.6 meters.

Water crossing is approximately 0.25 miles east of the 7400/7486 junction.

#### SPECIES POTENTIAL

LCIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.60	
Span/Toe Ratio	1.02	

#### POTENTIAL HABITAT GAIN

#### **CULVERT DESCRIPTION**

1.1
RND
PVC
0.61
0.61
18.71
10.80
No
0.11
0.01
No
5.00
No

#### **Culvert Comments:**

Rip rap placed at downstream end of culvert, no plunge pool. Overflow pipe on right bank.



**Mason Conservation District** 

Site ID: 127Y0291 Fish Use: No PI: Barrier:

#### SITE DESCRIPTION

OITE DECOIN						
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	FS 22	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.34668	<b>✓</b>	Field Review	
1/4 Section:	SW	Longitude:	-123.69319		Threshold Determination	
Section:	34	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,208,890		Downstream Check	
Range:	W80	North:	750,304		Physical Survey	
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.45 miles east	SPECIE	Sockeye Sea Run Cutthroat	
Tributary To:	Falls Cr 22.0307	of the Fs 2281/22 junction.			Pink Resident Trout	
WRIA:	22.0000					
Fish Use:	No	Site Comments:				
FUP Criteria:	Physical					
OWNER		Poorly defined stream channel, OHW < 0.6 meters.		Coho Brown Trout Steelhead		
Name:	US Forest Service					
Type:	Federal					
LEVEL A ANA	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DE	PLUNGE POOL DESCRIPTION		TIAL HABITAT GAIN	
Review Date:	8/10/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)		CHANNEL DESCRI	DTION	Rearing		
		CHANNEL DESCRI	FIION	rtearing	(39 111)	

#### **CULVERT DESCRIPTION**

Method

Problem

Repair Status

# Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Upstream end deformed.



34

**Mason Conservation District** 

Site ID:

PI:

127Y0292

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW

Section: 22N Township: 08W Range:

#### WATERBODY

Stream: unnamed Tributary To: Larsen Cr 22.0306 WRIA: 22.0000 Fish Use: Yes FUP Criteria: Physical

#### OWNER

**US Forest Service** Name: Federal Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.34613 Latitude: -123.68891 Longitude: WA state plane south (NAD 27, feet)

1,209,942 750,060 North:

#### **Location / Directions:**

Water crossing is approximately 0.15 miles east of the FS 2200.480/22 junction.

#### Site Comments:

OHW = 0.85 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report	Logged
--	--------	--------

Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye

Pink Chum

Chinook

Coho

Steelhead

7	800	Pun	Cutthroat

Resident Trout

Dolly/Bull Trout

**Brook Trout** 

Brown Trout

### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.49
OHW (m)	1.34
Max Depth (m)	0.27

#### CHANNEL DESCRIPTION

Toe Width (m)	0.69
Span/Toe Ratio	0.93

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.45
Length (m)	12.56
Slope (%)	4.50
Bed Material	No
Outfall Drop (m)	0.36
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0293

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

**Expanded Threshold Determination** 

Report Logged Field Review Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW
Section:	35
Township:	22N
Range:	W80

unnamed

Falls Cr 22.0307

22.0307

Physical

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	47.35200
Longitude:	-123.67207
WA state plane south (NAD 27, feet)	

# East: 1,214,201 North: 752,033

#### Physical Survey

#### Location / Directions:

Water crossing is approximately 1.0 miles east of the FS 22/2200.480 junction.

#### Site Comments:

OHW = 1.1 meters.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.28
OHW (m)	1.64
Max Depth (m)	0.35

#### CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.60

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

•	1.1
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.66
Rise (m)	0.68
Length (m)	12.53
Slope (%)	3.30
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Downstream end of culvert deformed.



#### **Mason Conservation District**

### Site ID:

PI:

47.31922

#### 127Y0294

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	O-600
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	21N
Range:	W80

unnamed

Wynoochee R 22.0311

22.0000

Yes

Physical

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	

Longitude: -123.65439
WA state plane south (NAD 27, feet)

East: 1,218,102

North: 739,911

#### Location / Directions:

Water crossing is approximately 0.1 miles south of 0-600/0-610 junction.

#### Site Comments:

OHW = 1.05 meters.

#### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

ECIE	5 POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

## OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	en Diamond Resource Com
Туре:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/11/2005
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	0.75
Span/Toe Ratio	2.37

#### POTENTIAL HABITAT GAIN

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.78
Rise (m)	1.82
Length (m)	41.68
Slope (%)	4.80
Bed Material	No
Outfall Drop (m)	0.65
WDIC (m)	0.03
Apron	No
Fill Depth (m)	10.00
Tidegate	No

#### **Culvert Comments:**

Outfall drop onto LWD and large cobble, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0295

Fish Use:

Yes

Barrier: Yes

### SITE DESCRIPTION

#### **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	O-600
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	21N
Range:	08W

unnamed

Wynoochee R 22.0311

22.0000

Yes

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees
Latitude:

 Latitude:
 47.31679

 Longitude:
 -123.65389

 WA state plane south (NAD 27, feet)

East: 1,218,189

North: 739,020

#### Location / Directions:

Water crossing is approximately 50 meters south of 0-620/0-600 junction.

#### Site Comments:

OHW = 0.95 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

	Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

# ✓ Coho Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/11/2005
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
Max Depth (m)		
OHW (m)		
Length (m)		
Length (m)		

Toe Width (m)	0.65
Span/Toe Ratio	1.89

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.23
1.60
12.39
9.50
No
0.00
0.00
No
1.00
No

#### **Culvert Comments:**

Rip rap pile at downstream end of culvert, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0296

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	455
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	21N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.34455	
Longitude:	-123.68548	
WA state plane south (NAD 27, feet)		
East:	1,210,770	
North:	749,449	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	Falls Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0307
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:
OHW = 1.0 meters.

Water crossing is approximately 0.15 miles north of 450/455 junction.

#### SPECIES POTENTIAL

JI LOILO I OTLIVITAL	
Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/11/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.73
OHW (m)	1.60
Max Depth (m)	0.30
CHANNEL DESCRI	PTION
Toe Width (m)	0.57

1.32

#### **POTENTIAL HABITAT GAIN**

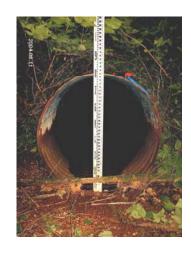
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

#### **CULVERT DESCRIPTION**

1.1		
RND		
CST		
0.75		
0.75		
19.27		
2.00		
No		
0.48		
0.00		
No		
3.00		
No		

#### **Culvert Comments:**

Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

127Y0297

Fish Use:

Yes

Barrier: Unk

SITE	DE	CCE	IDT	ION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

#### **GENERAL LOCATION** O-600 Road Name: Grays Harbor County: 1/4 Section: SE Section: 1 21N Township:

08W

unnamed

Wynoochee R 22.0311

22.0000

Yes

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.33111 Latitude: -123.64007 Longitude: WA state plane south (NAD 27, feet)

1,221,822 744,102 North:

#### **Location / Directions:**

Water crossing is approximately 1.9 miles northwest of the 0-600/FS 22 junction.

Site Comments:

OHW > 0.6 meters.

<b>EVALUATION</b>	I LEVE	L COMP	LETED
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	Report Logged
<b>✓</b>	Field Review

Threshold Determination **Expanded Threshold Determination** 

Downstream Check Physical Survey

#### S

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/12/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	RIPTION
Toe Width (m)	

#### **POTENTIAL HABITAT GAIN**

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	7.90
Slope (%)	0.88
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

No OHW, toe, or plunge pool measurements due to wetland habitat upstream and downstream. Level B not applicable due to lack of downstream control.



**Mason Conservation District** 

Site ID: Fish Use: 127Y0298 PI:

No

Barrier:

# SITE DESCRIPTION

#### **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged 2371 WGS 84, decimal degrees Road Name: Field Review Grays Harbor 47.36697 County: Latitude: Threshold Determination -123.57122 NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 28 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,239,392 07W Physical Survey Range: 756,501 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.45 miles Sockeye Sea Run Cutthroat Tributary To: Anderson Cr 22.0309 southeast of the FS 2371/2300 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.55 meters. OWNER Steelhead **US Forest Service** Name: Federal Type:

#### **LEVEL A ANALYSIS**

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	8/16/2004	Length (m)	Survey Type:	
Field Crew:	Haque/Lutz	OHW (m)	Length (m):	
Barrier		Max Depth (m)	Spawning (sq m)	
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)	
Method				
Repair Status		Toe Width (m)		
Problem		Span/Toe Ratio		

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.38
0.39
No
1.20
0.05
No
0.50
No

#### **Culvert Comments:**

Gradient barrier US/DS of culvert.



#### **Mason Conservation District**

Site ID:

PI:

127Y0299

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION

Road Name:	Gravel Pit Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	6
Township:	21N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.33606	
Longitude:	-123.63151	
WA state plane south (NAD 27, feet)		
East:	1,224,016	
North:	745,822	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:
OHW = 1.1 meters.

Water crossing is approximately 0.40 miles east of gate 258 at gravel pit road/FS 22 junction.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Stoolhood	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	8/16/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.09	
Span/Toe Ratio	0.96	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.04
Length (m)	24.86
Slope (%)	11.90
Bed Material	No
Outfall Drop (m)	1.18
WDIC (m)	0.02
Apron	No
Fill Depth (m)	6.50
Tidegate	No

#### **Culvert Comments:**

Outfall drop onto hardpan clay substrate, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0300

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	Decommissioned Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	6

21N

07W

Range:

#### WATERBODY

Township:

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

OWNER

en Diamond Resource Comp Name: Private Type:

#### POSITIONAL DATA

WGS 84, decimal degrees

47.33663 Latitude: -123.63149 Longitude: WA state plane south (NAD 27, feet) 1,224,030 746,029 North:

#### Location / Directions:

Water crossing is approximately 30 meters north of decommissioned road/Gravel Pit Rd junction, north of GDRC gate 258.

#### Site Comments:

OHW = 0.7 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### **SPECIES POTENTIAL**

	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

Coho

	Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/16/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	0.59
Span/Toe Ratio	0.78

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
PVC
0.46
0.45
12.56
4.20
No
0.49
0.01
No
1.00
No

#### **Culvert Comments:**

Outfall drop onto LWD and large cobble, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0301

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW

6 Section: 21N Township: 07W

Range:

#### WATERBODY

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

OWNER

**US Forest Service** Name: Federal Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.33099 Latitude: -123.62964 Longitude:

WA state plane south (NAD 27, feet) 1,224,405 743,956 North:

#### **Location / Directions:**

Water crossing is approximately 1.4 miles north of the FS 2260/22 junction.

#### Site Comments:

OHW = 2.65 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report	Logged
--	--------	--------

Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

SPEC	ES POTENTIAL
	Sockeye

Pink

Chum

Chinook

Coho

# ✓ Sea Run Cutthroat

Resident Trout

Dolly/Bull Trout

**Brook Trout** 

Brown Trout

#### Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

8/16/2004
Haque/Lutz
Yes
33
LA
UD
outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.68
OHW (m)	2.94
Max Depth (m)	0.63

#### CHANNEL DESCRIPTION

Toe Width (m)	2.50
Span/Toe Ratio	0.48

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.29
Length (m)	46.20
Slope (%)	4.30
Bed Material	No
Outfall Drop (m)	3.07
WDIC (m)	0.06
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Culvert beveled downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0302

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION GENERAL LOCATION

Road Name:	790
County:	Grays Harbor
1/4 Section:	NW
Section:	18

21N

07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

Site Comments:

OHW = 3.35 meters.

Latitude: 47.31533 -123.62534 Longitude: WA state plane south (NAD 27, feet)

1,225,245 738,203 North:

Water crossing is approximately 0.15 miles south of the 7900/600X junction.

#### SP

S POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
	Sockeye Pink Chum Chinook

#### WATERBODY

Township:

Range:

Save Cr Stream: Tributary To: Wynoochee R 22.0311 WRIA: 22.0303 Fish Use: FUP Criteria: Mapped

OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/16/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	13.23
OHW (m)	11.17
Max Depth (m)	1.11

#### CHANNEL DESCRIPTION

Toe Width (m)	2.94
Span/Toe Ratio	0.77

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.25
Rise (m)	2.31
Length (m)	25.71
Slope (%)	1.70
Bed Material	No
Outfall Drop (m)	2.25
WDIC (m)	0.08
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**

Both ends beveled.



**Mason Conservation District** 

Site ID:	127Y0303	Fish Use:	No
PI:		Barrier:	

GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	7900	WGS 84, decimal degrees	<b>i</b>		Report Logged		
County:	Grays Harbor	Latitude:	47.32771	<b>✓</b>	Field Review		
1/4 Section:	NE	Longitude:	-123.61855		Threshold Determination		
Section:	7	WA state plane south (NA	D 27, feet)		Expanded Threshold Determination		
Township:	21N	East:	1,227,107		Downstream Check		
Range:	07W	North:	742,649		Physical Survey		
WATERBODY		Location / Directions:		SDECIE	ES POTENTIAL		
Stream:	unnamed	Water crossing is approxing	nately 0.5 miles north	SPECIE	Sockeye Sea Run Cutthroat		
Tributary To:	Wynoochee R 22.0311	of the 7910/7900 junction.	nately ele illinee ileiti.				
WRIA:	22.0000						
Fish Use:	No						
FUP Criteria:	Physical	Site Comments:  Natural point barrier 10 meters downstream.			Chinook Brook Trout  Coho Brown Trout		
OWNER				Coho Brown Trou			
Name:	en Diamond Resource Comp				0.000000		
Туре:	Private						
LEVEL A AN	IALYSIS						
SUMMARY INFO	DRMATION	PLUNGE POOL DESCRI	PTION	POTEN	TIAL HABITAT GAIN		
Review Date:	8/16/2004	Length (m)		Survey '	Type:		
Field Crew:	Haque/Lutz	OHW (m)		Length (	(m):		
Barrier		Max Depth (m)		Spawnir	ng (sq m)		
Passability (%)		CHANNEL DESCRIPTION		Rearing			
Method			<b>-</b>	rcaing	, (04)		
Repair Status		Toe Width (m)					
		Span/Toe Ratio					

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.14
WDIC (m)	0.04
Apron	No
Fill Depth (m)	
Tidegate	No

#### **Culvert Comments:**

Outfall drop onto boulder pile, no plunge pool.



**Mason Conservation District** 

Site ID: 127Y0304 Fish Use: No PI: Barrier:

#### CITE DECODIDATION

SITE DESCR	RIFTION						
GENERAL LOCATION POSITIONAL DATA			EVALUATION LEVEL COMPLETED				
Road Name:	7900	WGS 84, decimal de	egrees		Report Logged		
County:	Grays Harbor	Latitude:	47.33119	<b>✓</b>	Field Review		
1/4 Section:	SE	Longitude:	-123.62063		Threshold De	etermination	
Section:	6	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination		
Township:	21N	East:	1,226,641		Downstream	Check	
Range:	07W	North:	743,938		Physical Surv	vey	
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIA	L	
Stream:	unnamed		proximately 0.8 miles north		Sockeye	Sea Run Cutthroat	
Tributary To:	Wynoochee R 22.0311	of the 7910/7900 jun	ction.		Pink	Resident Trout	
WRIA:	22.0000				Chum	Dolly/Bull Trout	
Fish Use:	No	Site Comments:			Chinook	Brook Trout	
FUP Criteria:	Physical			Coho	Brown Trout		
			Gradient barrier upstream = 26%. Level A not completed due to no habitat gain upstream.		Steelhead		
Name:	en Diamond Resource Comp						
Type:	Private						
LEVEL A AN	IALYSIS						
SUMMARY INFO	ORMATION	PLUNGE POOL DE	SCRIPTION	POTENTIAL HABITAT GAIN		T GAIN	
Review Date:	8/16/2004	Length (m)		Survey	Туре:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawni	ng (sq m)		
Passability (%)		CHANNEL DESCRI	PTION	Rearing	ı (sa m)		
Method					, \1 ···/		
Repair Status		Toe Width (m)					

#### **CULVERT DESCRIPTION**

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Photo taken upstream.



**Mason Conservation District** 

Site ID: 127Y0305

Spawning (sq m)

Rearing (sq m)

PI:

Fish Use: No

Barrier:

	DESC		
31 I E	DESI	JN IF	

GENERAL LOC	ATION	POSITIONAL DATA	4	EVALU	ATION LEVEL	COMPLETED		
Road Name:	7900	WGS 84, decimal degrees		7900 WGS 84, decimal degrees			Report Logge	ed
County:	Grays Harbor	Latitude:	47.33169	<b>✓</b>	Field Review			
1/4 Section:	SE	Longitude:	-123.61867		Threshold De	etermination		
Section:	6	WA state plane sou	th (NAD 27, feet)		Expanded Threshold Determ			
Township:	21N	East:	1,227,134		Downstream	Check		
Range:	07W	North:	744,101		Physical Surv	rey		
WATERBODY		Location / Directio	ns:	SDEC!!	ES POTENTIAI			
Stream:	unnamed	Water crossing is a	oproximately 0.9 miles north	SPECII	Sockeye	Sea Run Cutthroat		
Tributary To:	Wynoochee R 22.0311	of the 7910/7900 jui			Pink			
WRIA:	22.0000				Chum	Resident Trout		
Fish Use:	No					Dolly/Bull Trout		
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout		
OWNER		Gradient barrier dov	vnstream.		Coho Steelhead	Brown Trout		
Name:	en Diamond Resource Comp							
Туре:	Private							
LEVEL A AN	IALYSIS							
SUMMARY INFORMATION PLUNGE POOL DESCRIPTION		SCRIPTION	POTEN	ITIAL HABITAT	Γ GAIN			
Review Date:	8/16/2004	Length (m)		Survey	Type:			
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):			
Barrier		Max Depth (m)		Spawni	ng (sq m)			

#### **CULVERT DESCRIPTION**

Passability (%)

Repair Status

Method

Problem

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.90
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



**Mason Conservation District** 

Site ID: **127Y0306** Fish Use: PI: Barrier:

No

SITE DESCR	RIPTION						
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED			
Road Name:	7900	WGS 84, decimal de	grees		Report Logged		
County:	Grays Harbor	Latitude:	47.33001	<b>✓</b>	Field Review		
1/4 Section:	NE	Longitude:	-123.61454		Threshold Dete	rmination	
Section:	7	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination		
Township:	21N	East:	1,228,134		Downstream Cl	neck	
Range:	07W	North:	743,450		Physical Survey	/	
WATERBODY		Location / Direction	s:	SDECIE	S POTENTIAL		
Stream:	unnamed	Water crossing is ap	proximately 0.6 miles	3FEGIL	Sockeye	Sea Run Cutthroat	
Tributary To:	Wynoochee R 22.0311	southeast of the 7900			Pink	Resident Trout	
WRIA:	22.0000				Chum	Dolly/Bull Trout	
Fish Use:	No	Site Comments:			Chinook	Brook Trout	
FUP Criteria:	Physical				Coho	Brown Trout	
OWNER		Natural point barrier downstream, high gradient stream.			Steelhead	Blown Hout	
Name:	en Diamond Resource Comp						
Type:	Private						
LEVEL A AN	IALYSIS						
SUMMARY INFO	DRMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT (	SAIN	
Review Date:	8/16/2004	Length (m)		Survey	Type:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawnii	ng (sq m)		
Passability (%)		CHANNEL DESCRI	PTION	Rearing	,		
Method			11014	rtouring	, (~~ ···/		
Repair Status		Toe Width (m)					

#### **CULVERT DESCRIPTION**

Problem

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.76
Rise (m)	0.76
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Angled PVC extension attached to downstream end of culvert. Photo taken at upstream end.



#### **Mason Conservation District**

Site ID:

PI:

127Y0307

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	7930
County:	Grays Harbor
1/4 Section:	SW
Section:	6
Township:	21N
Range:	07W

#### **POSITIONAL DATA**

WGS 84,	decimal	degree

Latitude:	47.33670	
Longitude:	-123.62260	
WA state plane south (NAD 27, feet)		
East:	1,226,232	
North:	745,965	

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW = 1.5 meters.

Water crossing is approximately 0.25 miles north of 7900/7930 junction.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/16/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.97
OHW (m)	3.30
Max Depth (m)	0.49

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.61
1.70
36.54
15.30
No
0.63
0.04
No
12.00
No

#### CHANNEL DESCRIPTION

Toe Width (m)	1.37
Span/Toe Ratio	1.18

#### **Culvert Comments:**

Culvert beveled both ends.



#### **Mason Conservation District**

Site ID:

PI:

127Y0308

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: 7600 County: Grays Harbor 1/4 Section: NW Section: 17 Township: 21N Range: 07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.31080	
Longitude:	-123.60978	
WA state plane south (NAD 27, feet)		
East:	1,229,037	
North:	736,400	

# EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Neil Cr 22.0297
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

OHW > 0.6 meters.

Water crossing is approximately 1.2 miles east of the 7600/FS 22 junction.

Wetland habitat upstream and downstream,

#### SPECIES POTENTIAL

PECIE	SPUIENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	8/17/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
Toe Width (m)	
Toe Width (m) Span/Toe Ratio	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.90
0.90
12.27
3.20
No
0.20
0.00
No
0.50
No

#### **Culvert Comments:**

No plunge pool or toe measurements due to wetland influence.



**Mason Conservation District** 

Site ID:	127Y0309	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

OITE DESCINII	11014		
GENERAL LOCAT	TON	POSITIONAL DATA	EVALUATION LEVEL COMPLETED
Road Name:	7600	WGS 84, decimal degrees	Report Logged
County:	Grays Harbor	Latitude: 47.30999	✓ Field Review
1/4 Section:	NW	Longitude: -123.60537	Threshold Determination
Section:	17	WA state plane south (NAD 27, feet)	Expanded Threshold Determination
Township:	21N	East: 1,230,119	Downstream Check
Range:	07W	North: 736,064	Physical Survey
WATERBODY		Location / Directions:	SPECIES POTENTIAL
Stream:	unnamed	Water crossing is approximately 1.4 miles east	
Tributary To:	Neil Cr 22.0297	of the FS 22/7600 junction.	Pink Resident Trout
WRIA:	22.0000		Chum Dolly/Bull Trout
Fish Use:	No	]	
FUP Criteria:	Physical	Site Comments:	
OWNER		OHW = 0.2 meters.	Coho Brown Trout Steelhead
Name:	n Diamond Resource Com	ng.	
Туре:	Private		
LEVEL A ANA	LYSIS		
SUMMARY INFOR	MATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	8/17/2004	Length (m)	Survey Type:
Field Crew:	Haque/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			roamy (oq m)
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.75
Rise (m)	0.77
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.31
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0310

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	600U	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	17	
Township:	20N	
Range:	07W	

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.22406	
Longitude:	-123.59499	
WA state plane south (NAD 27, feet)		
East:	1,231,461	
North:	704,643	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

OHW > 0.6 meters.

Water crossing is approximately 0.1 miles north of the 600-west/600U junction.

Wetland habitat upstream and downstream,

#### SPECIES POTENTIAL

		· · · · · · · · · · · · · · · · · · ·	
		Sockeye	✓ Sea Run Cutthroa
		Pink	Resident Trout
		Chum	Dolly/Bull Trout
		Chinook	Brook Trout
[	<b>/</b>	Coho	Brown Trout
Γ		Steelhead	

#### **OWNER**

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	8/17/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
Toe Width (m)	
Span/Toe Ratio	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.38
Rise (m)	0.38
Length (m)	8.23
Slope (%)	0.50
Bed Material	No
Outfall Drop (m)	0.15
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

No plunge pool, toe, OHW measurements due to wetland habitat. Level B not applicable due to lack of downstream control

100 mm m	

**Mason Conservation District** 

Site ID: 127Y0311 Fish Use: PI:

No

Barrier:

### SITE DESCRIPTION

#### POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged 600-west WGS 84, decimal degrees Road Name: Grays Harbor 47.31267 Field Review County: Latitude: -123.60415 Threshold Determination NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 17 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,230,460 07W Physical Survey Range: 737,028 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.4 miles west Sockeye Sea Run Cutthroat Tributary To: Neil Cr 22.0297 of the 600-west/600U junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.55 meters. OWNER Steelhead en Diamond Resource Comp Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 8/18/2004 Length (m) Survey Type: Haque/Lutz Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m)

#### CULVERT DESCRIPTION

Method

Problem

Repair Status

CULVERT DESCRIPTION		
Sequencer:	1.1	
Shape	RND	
Material	CST	
Span (m)	0.74	
Rise (m)	0.74	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.00	
WDIC (m)	0.00	
Apron	No	
Fill Depth (m)	1.20	
Tidegate	No	

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID:	127Y0312	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA	A	EVALU	ATION LEVEL COMPLETED	
Road Name:	600U	WGS 84, decimal de	egrees		Report Logged	
County:	Grays Harbor	Latitude:	47.31678	<b>✓</b>	Field Review	
1/4 Section:	SW	Longitude:	-123.61035		Threshold Determination	
Section:	8	WA state plane south (NAD 27, feet)			Expanded Threshold Determination	
Township:	21N	East:	1,228,980		Downstream Check	
Range:	07W	North:	738,586		Physical Survey	
WATERBODY		Location / Direction	ns:	enecie	ES POTENTIAL	
Stream:	unnamed	Water crossing is ar	oproximately 0.15 miles	3FECIE	Sockeye Sea Run Cutthroat	
Tributary To:	Save Cr 22.0303	north of the 600U/60			, <u></u>	
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OWNER		OHW = 0.50 meters	s.		Coho Brown Trout Steelhead	
Name:	en Diamond Resource Comp					
Type:	Private					
LEVEL A ANA	ALYSIS					
SUMMARY INFORMATION PLUNGE POOL DESCRIPTION		SCRIPTION	POTEN	TIAL HABITAT GAIN		
Review Date:	8/18/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length (	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCR	IDTION	Rearing		
Method			IF HUN	rteamy	(Sq III)	
Repair Status		Toe Width (m)				

#### **CULVERT DESCRIPTION**

Problem

1.1
RND
CST
0.68
0.54
No
0.01
No
1.00
No

#### **Culvert Comments:**

Span/Toe Ratio



#### **WRIA 22 Fish Passage Inventory** Site ID: 127Y0313 Fish Use: Yes PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Private Dr WGS 84, decimal degrees Report Logged Road Name: Grays Harbor 47.01278 **~** Field Review Latitude: County: Threshold Determination -123.67116 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 27 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,209,452 08W Physical Survey 628,395 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 150 meters Sockeye ✓ Sea Run Cutthroat north of Wynoochee Valley Rd, 0.35 miles west of the Wynoochee Valley Rd/Mooney Rd Tributary To: Caldwell Cr 22.0280 Pink Resident Trout WRIA: 22.0000 junction. Chum Dolly/Bull Trout Fish Use: Yes **Brook Trout** Chinook Site Comments: FUP Criteria: Mapped Brown Trout **V** Coho OHW = 2.55 meters. **OWNER** Steelhead Dagnen, Scotty J Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: Length (m) Survey Type: Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status Span/Toe Ratio Problem **CULVERT DESCRIPTION Culvert Comments:** Sequencer: Shape Material Span (m) Rise (m) Length (m) Slope (%)

Bed Material
Outfall Drop (m)
WDIC (m)
Apron
Fill Depth (m)
Tidegate

#### **Mason Conservation District**

Site ID:

PI:

127Y0314

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

# **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	Decommissioned Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	27
Township:	18N
Range:	08W

unnamed

Caldwell Cr 22.0280

22.0000

Yes

Mapped

Weyerhaeuser Company

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.01971 Latitude: -123.66092 Longitude: WA state plane south (NAD 27, feet)

1,212,106 630,820

#### **Location / Directions:**

North:

Water crossing is approximately 0.7 miles west of decommissioned Rd/B-line junction.

#### Site Comments:

Wetland habitat upstream and downstream. OHW = 2.35 meters.

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### SPECIES POTENTIAL

FLCIL	SPOILNIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	9/15/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	4.90
OHW (m)	4.60
Max Depth (m)	0.65

#### CHANNEL DESCRIPTION

Toe Width (m)	2.10
Span/Toe Ratio	0.26

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.54
Rise (m)	0.82
Length (m)	9.24
Slope (%)	0.60
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Level B not applicable due to wetland influence.

**Mason Conservation District** 

Site ID:

PI:

622,790

127Y0315

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SE
Section:	34
Township:	18N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	46.99778
Longitude:	-123.65703
WA state plane south (NAD 27, feet)	
East:	1,212,757

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
Geissler Cr 22.0267
22.0000
Yes
Physical

#### **Location / Directions:**

Site Comments: OHW = 1.7 meters.

North:

Water crossing is approximately 200 meters north of West Wynoochee Rd, 1.5 miles north of West Wynoochee Rd/Highway 12 junction.

#### SPECIES POTENTIAL

, LCILO	OTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
F	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>V</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Paul Pekola
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	9/27/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.11	

0.94

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.04
Rise (m)	1.04
Length (m)	3.64
Slope (%)	-2.70
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	0.20
Tidegate	No

# Culvert Comments:

Span/Toe Ratio

Riffle at downstream end, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0316

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	34
Township:	18N

08W

#### **POSITIONAL DATA**

WGS 84, decimal of	degree
--------------------	--------

Latitude:	47.00289	
Longitude:	-123.66048	
WA state plane south (NAD 27, feet)		
East:	1,211,970	
North:	624,687	

### EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	Geissler Cr		
Tributary To:	Wynoochee R 22.0311		
WRIA:	22.0267		
Fish Use:	Yes		
FUP Criteria:	Mapped		

#### **Location / Directions:**

Site Comments: OHW = 2.5 meters.

Water crossing is approximately 0.2 miles south of Geisler Rd, on private drive 0.75 miles east of the Geisler Rd/West Wynoochee Rd junction.

#### SPECIES POTENTIAL

•			
		Sockeye	Sea Run Cutthroa
		Pink	Resident Trout
		Chum	Dolly/Bull Trout
		Chinook	Brook Trout
	$\checkmark$	Coho	Brown Trout
		Steelhead	

#### OWNER

Name:	Paul Pekola	
Гуре:	Private	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	9/27/2004		
Field Crew:	Haque/Lutz		
Barrier	Unk		
Passability (%)			
Method	OT		
Repair Status			
Problem			

#### PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	1.89		
Span/Toe Ratio	0.81		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1		
Shape	RND		
Material	CST		
Span (m)	1.52		
Rise (m)	1.34		
Length (m)			
Slope (%)			
Bed Material	No		
Outfall Drop (m)	0.00		
WDIC (m)	0.41		
Apron	No		
Fill Depth (m)	1.00		
Tidegate	No		

#### **Culvert Comments:**

Unable to complete level A, no access to downstream end of pipe. Riffle at downstream end of pipe, no outfall drop or plunge pool.



**Mason Conservation District** 

Site ID:

PI:

127Y0317

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private Dr		
County:	Grays Harbor		
1/4 Section:	SE		
Section:	34		
Township:	18N		
Range:	W80		

#### **POSITIONAL DATA**

WGS 84, decimal degrees			
Latitude:	47.00028		
Longitude:	-123.65627		

WA state plane south (NAD 27, feet)

1,212,983 623,691 North:

Water crossing is approximately 0.5 miles south

of Geisler Rd, on private drive 0.75 miles east of the Geisler Rd/West Wynoochee Rd junction.

#### SI

PECIES POTENTIAL				
Sock	eye •	<b>✓</b> Se	a Run Cutthroat	
Pink	[	<b>✓</b> Re	sident Trout	
Chun	n [	Do	lly/Bull Trout	
Chino	ook	Bro	ook Trout	
<b>✓</b> Coho	, [	Bro	own Trout	
Steel	head			

#### WATERBODY

OWNER

Name:

Type:

Geissler Cr	
Wynoochee R 22.0311	
22.0267	
Yes	
Mapped	

Paul Pekola

Private

Site Comments: OHW = 2.5 meters.

**Location / Directions:** 

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	9/27/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	2.02	

0.89

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.2
RND
CST
1.17
1.19
6.42
1.61
Yes
0.00
0.20
No
1.00
No

#### **Culvert Comments:**

Span/Toe Ratio

Pipe 1.2 is on left bank. Riffle at downstream end, no plunge pool.



# **Mason Conservation District**

## Site ID:

PI:

### 127Y0317

#### Fish Use:

Yes

Barrier: No

#### **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	RND
Material	PVC
Span (m)	0.62
Rise (m)	0.62
Length (m)	6.07
Slope (%)	0.60
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Pipe 2.2 is on right bank. Riffles at downstream end, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0318

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	Katon Rd
County:	Grays Harbor
1/4 Section:	SE

14 Section: 17N Township: 08W

#### WATERBODY

Range:

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

#### OWNER

Grays Harbor Name: County Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

46.95418 Latitude: -123.63945 Longitude:

WA state plane south (NAD 27, feet) 1,216,508

North: **Location / Directions:** 

Water crossing is approximately 0.8 miles south of the Devonshire Rd/Katon Rd junction.

606,725

Site Comments:

OHW = 1.5 meters.

#### **EVALUATION LEVEL COMPLETED**

		Report	Logged
--	--	--------	--------

Field Review Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye

Pink

Chum

Chinook

Coho

✓ Sea Run Cutthroat Resident Trout

Dolly/Bull Trout

**Brook Trout** 

Brown Trout

#### Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/19/2004
Field Crew:	Lutz/Haque
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	4.40
OHW (m)	3.65
Max Depth (m)	0.45

#### CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	0.48

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.60
Length (m)	12.56
Slope (%)	0.64
Bed Material	No
Outfall Drop (m)	0.15
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Downstream end of culvert is rusting away. Level B not applicable due to tidal influences.



#### **Mason Conservation District**

Site ID:

PI:

127Y0319

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### GENERAL LOCATION

Road Name:	7146
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

Location / Directions:

Site Comments: OHW = 0.65 meters.

WGS 84, decimal degrees	
Latitude:	47.20705
Longitude:	-123.61368

WA state plane south (NAD 27, feet)

East: 1,226,577 698,625 North:

Water crossing is approximately 100 meters north of the 7140/7148 junction.

## s

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

unnamed
Schafer Cr 22.0294
22.0000
Yes
Physical

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.18
OHW (m)	2.19
Max Depth (m)	0.50
CHANNEL DESCRIPTION	

Toe Width (m)	0.58
Span/Toe Ratio	1.03

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.60
0.60
12.66
5.20
No
0.37
0.06
No
3.00
No



#### **Mason Conservation District**

Site ID:

PI:

127Y0320

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

**GENERAL LOCATION** 

#### 7602 Road Name: Grays Harbor County: 1/4 Section: NW 7 Section:

Township: 20N 07W Range:

#### WATERBODY

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

#### OWNER

en Diamond Resource Comp Name: Private Type:

#### POSITIONAL DATA

WGS 84, decimal degrees

47.23865 Latitude: -123.60516 Longitude: WA state plane south (NAD 27, feet)

1,229,146 710,059 North:

#### **Location / Directions:**

Water crossing is approximately 0.10 miles north of the 7600-Tie/7602 spur junction.

#### Site Comments:

OHW = 2.0 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout

Chum

Chinook

Coho

Brown Trout

Resident Trout

Dolly/Bull Trout

**Brook Trout** 

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Lutz/Haque
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	7.15
OHW (m)	28.30
Max Depth (m)	1.25

#### CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	1.13

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.24
Rise (m)	1.24
Length (m)	12.13
Slope (%)	0.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	1.24
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Beaver ponds upstream and downstream, downstream end of culvert completely submerged. Level B not applicable due to wetland/pond influence.



**Mason Conservation District** 

Site ID:

PI:

127Y0321

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7603	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	7	
Township:	20N	

07W

unnamed

Schafer Cr 22.0294

22.0000

Mapped

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.23896

 Longitude:
 -123.60037

WA state plane south (NAD 27, feet)

East: 1,230,339

North: 710,127

#### Location / Directions:

Water crossing is approximately 0.1 miles north of the 7603/7602-Tie junction.

#### Site Comments:

OHW = 0.85 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIAL			
Socke	ye 🗸	Sea Run Cutthroa	
Pink	<b>✓</b>	Resident Trout	
Chum		Dolly/Bull Trout	
Chino	ok	Brook Trout	
<b>✓</b> Coho		Brown Trout	

#### OWNER

Fish Use:

Range:

Stream:

WRIA:

WATERBODY

Tributary To:

FUP Criteria:

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.34
OHW (m)	3.20
Max Depth (m)	0.55

#### CHANNEL DESCRIPTION

Toe Width (m)	0.81
Span/Toe Ratio	0.68

#### POTENTIAL HABITAT GAIN

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.55
Rise (m)	0.57
Length (m)	12.32
Slope (%)	4.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	No
Fill Depth (m)	0.50
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0322

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Yes Barrier:

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7603	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	6	
Township:	20N	

07W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

OHW = 1.5 meters.

of the 7603/7602-Tie junction.

WGS 84, decimal degrees Latitude: 47.23995 -123.59995 Longitude:

WA state plane south (NAD 27, feet) 1,230,458 710,483 North:

Water crossing is approximately 0.2 miles north

## SP

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### WATERBODY

Range:

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

OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.75	
OHW (m)	2.44	
Max Depth (m)	0.83	
CHANNEL DESCRIPTION		

Toe Width (m)	1.19
Span/Toe Ratio	0.59

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.70
Rise (m)	0.46
Length (m)	12.36
Slope (%)	5.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.50
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Culvert submerged downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0323

Fish Use:

e: Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: 7602-Tie

 Road Name:
 7602-Tie

 County:
 Grays Harbor

 1/4 Section:
 NE

 Section:
 7

 Township:
 20N

 Range:
 07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees
Latitude:

 Latitude:
 47.23638

 Longitude:
 -123.59687

 WA state plane south (NAD 27, feet)

 East:
 1,231,172

709,151

# **EVALUATION LEVEL COMPLETED**Report Logged

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Schafer Cr 22.0294

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### **Location / Directions:**

Site Comments:

OHW = 0.85 meters.

North:

Water crossing is approximately 0.7 miles east of FS 22/7602-Tie junction.

#### SPECIES POTENTIAL

CCIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name: en Diamond Resource Comp Type: Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.65
OHW (m)	1.60
Max Depth (m)	0.24
CHANNEL DESCRIPTION	

0.63

0.73

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.46
0.26
6.02
5.30
No
0.24
0.03
No
1.00
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

127Y0324

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7600-Brehm
County:	Grays Harbor
1/4 Section:	SW
Section:	8
Township:	20N
Range:	07W

# POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.23115

Longitude: -123.59357
WA state plane south (NAD 27, feet)

East: 1,231,915

East: 1,231,915 North: 707,212

#### WATERBODY

OWNER

Name:

Type:

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

en Diamond Resource Comp

Private

#### Location / Directions:

Water crossing is approximately 0.2 miles south of the 7602-Tie/7600-Brehm junction.

#### Site Comments:

OHW = 0.75 meters.

#### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout

Chinook

Coho
Steelhead

Brown Trout

Brook Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.27
OHW (m)	1.44
Max Depth (m)	0.60

#### CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.81

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.59
Length (m)	15.54
Slope (%)	6.20
Bed Material	No
Outfall Drop (m)	0.69
WDIC (m)	0.07
Apron	No
Fill Depth (m)	2.50
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0325

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

# Road Name: 7701 County: Grays Harbor 1/4 Section: SW

 Section:
 5

 Township:
 20N

 Range:
 07W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 unnamed 22.0298

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### OWNER

Name: en Diamond Resource Comp Type: Private

#### POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.24405 Longitude: -123.59607

WA state plane south (NAD 27, feet)

East: 1,231,479
North: 711,939

#### **Location / Directions:**

Water crossing is approximately 100 meters west of the 7700/7701 junction.

#### Site Comments:

OHW = 0.75 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye

Pink

Chum

] Chinook

**✓** Coho

Steelhead

,	Sea	Run	Cutthroat
_	Sea	Kun	Cullinoal

✓ Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

Ч

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.76
OHW (m)	1.57
Max Depth (m)	0.24

#### CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	0.80

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.52
Rise (m)	0.39
Length (m)	7.98
Slope (%)	7.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.20
Tidegate	No

#### **Culvert Comments:**

Culvert is deformed downstream.



**Mason Conservation District** 

Site ID:

PI:

127Y0326

Fish Use:

No

Barrier:

SITE	DES	CRII	PTION
GENE	RAL L	OCAT	ION

Road Name:	7700
County:	Grays Harbor
1/4 Section:	SW
Section:	5
Township:	20N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.24542	
Longitude:	-123.59595	
WA state plane south (NAD 27, feet)		
East:	1,231,530	
North:	712,438	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0298
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

OHW = 0.55 meters.

Water crossing is approximately 0.3 miles north of the 7600/770 junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
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 PLUNGE POOL DESCRIPTION

Review Date:	10/21/2004
Field Crew:	Lutz/Haque
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	1.89
OHW (m)	0.97
Max Depth (m)	0.17

#### CHANNEL DESCRIPTION

Toe Width (m)	0.46
Span/Toe Ratio	0.98

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.16
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0327

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

	LOCA	

Road Name:	7700
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	20N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.24683	
Longitude: -123.59772		
WA state plane south (NAD 27, feet)		
East: 1,231,110		

# 712,968

#### WATERBODY Location / Directions:

Stream:	unnamed
Tributary To:	unnamed 22.0298
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Water crossing is approximately 0.6 miles north
of the 7600/7700 junction.

# Site Comments:

North:

OHW =	1	85	meters

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.11
OHW (m)	2.11
Max Depth (m)	0.40

#### CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	0.80

#### POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	
• ,	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.04
Rise (m)	1.04
Length (m)	12.18
Slope (%)	7.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.00
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0328

Fish Use: Barrier: Yes

Yes

# SITE DESCRIPTION GENERAL LOCATION

Road Name:	7700
County:	Grays Harbor
1/4 Section:	NE
Section:	6
Township:	20N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
47.25139		
-123.59710		
WA state plane south (NAD 27, feet)		
1,231,329		
714,623		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0299
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments: OHW = 1.3 meters.

Water crossing is approximately 1.0 miles north of the 7600/7700 junction.

#### SPECIES POTENTIAL

. LOIL	OICILITIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.25
OHW (m)	2.68
` '	0.45
Max Depth (m)	0.45
CHANNEL DESCRI	PTION
Toe Width (m)	1.19

0.87

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.04
Rise (m)	0.91
Length (m)	15.89
Slope (%)	11.30
Bed Material	No
Outfall Drop (m)	0.37
WDIC (m)	0.07
Apron	No
Fill Depth (m)	4.50
Tidegate	No

# Culvert Comments:

Span/Toe Ratio

Culvert deformed downstream.



**Mason Conservation District** 

Site ID:

PI:

127Y0329

Fish Use:

Yes

Barrier: Yes

# SITE DESCRIPTION GENERAL LOCATION

# Road Name: 7700 County: Grays Harbor 1/4 Section: NE Section: 6 Township: 20N Range: 07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.25350	
Longitude:	-123.59864	
WA state plane south (NAD 27, feet)		
East:	1,230,977	
North:	715,409	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0299
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

**Site Comments:**OHW = 0.75 meters.

Water crossing is approximately 1.4 miles north of the 7600/7700 junction.

#### SPECIES POTENTIAL

	OI OILMINAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.80
OHW (m)	1.13
,	
Max Depth (m)	0.38
CHANNEL DESCRIPTION	
Toe Width (m)	0.65

1.38

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.90
0.90
12.10
5.10
No
0.45
0.05
No
2.50
No

#### Culvert Comments:

Span/Toe Ratio



**Mason Conservation District** 

Site ID:	127Y0330	Fish Use:
PI:		Barrier:

Rearing (sq m)

No

# SITE DESCRIPTION

GENERAL LOC	ATION	POSITIONAL DATA	A	EVALU	ATION LEVEL COMPLETED
Road Name:	7700	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.25459	<b>✓</b>	Field Review
1/4 Section:	NE	Longitude:	-123.59969		Threshold Determination
Section:	6	WA state plane sou	th (NAD 27, feet)		Expanded Threshold Determination
Township:	20N	East:	1,230,733		Downstream Check
Range:	07W	North:	715,816		Physical Survey
WATERBODY		Location / Directio	ns:	encor	ES POTENTIAL
Stream:	unnamed	Water crossing is a	pproximately 1.5 miles north	3FECIE	Sockeye Sea Run Cutthroat
Tributary To:	unnamed 22.0299	of the 7600/7700 junction.			
WRIA:	22.0000				<u>_</u>
Fish Use:	No				Chum Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		OHW = 0.5 meters.			Coho Brown Trout Steelhead
Name:	en Diamond Resource Comp				
Type:	Private				
LEVEL A AN	NALYSIS				
SUMMARY INFORMATION PLUNGE POOL DESCRIPTION		ESCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	10/21/2004	Length (m)		Survey	Туре:
Field Crew:	Lutz/Haque	OHW (m)		Length	(m):
Barrier		Max Denth (m)		Snawni	ng (sg m)

0.45

1.38

#### **CULVERT DESCRIPTION**

Passability (%)

Repair Status

Method

Problem

1.1
RND
CST
0.62
0.60
No
0.14
0.03
No
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



#### **Mason Conservation District**

Site ID:

PI:

127Y0331

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7700
County:	Grays Harbor
1/4 Section:	NE
Section:	6
Township:	20N
Range:	07W

# WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0289
WRIA:	22.0299
Fish Use:	Yes
FUP Criteria:	Mapped

#### OWNER

Name:	en Diamond Resource Cor
Type:	Private

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.25852	
Longitude:	-123.60261	

WA state plane south (NAD 27, feet)

	,,
East:	1,230,064
North:	717,277

#### **Location / Directions:**

Water crossing is approximately 2.0 miles north of the 7600/7700 junction.

#### Site Comments:

OHW = 2.05 meters.

#### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review

- **Expanded Threshold Determination**
- Downstream Check
- Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout

Brown Trout

Chinook
Caba

✓	Coho
	04111

#### Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/21/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	5.05
Max Depth (m)	0.84

#### CHANNEL DESCRIPTION

Toe Width (m)	1.92
Span/Toe Ratio	0.53

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.01
1.08
11.35
7.00
No
0.00
0.36
No
2.00
No



**Mason Conservation District** 

Site ID:

PI:

127Y0332

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

Road Name:	7700
County:	Grays Harbor
1/4 Section:	SW
Section:	32
Township:	21N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.25922
Longitude:	-123.60387
WA state plane south (NAD 27, feet)	
East:	1,229,762

717,544

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0299
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments: OHW = 0.8 meters.

North:

Water crossing is approximately 2.05 miles north of the 7700/7600 (Reed Hill RD) line junction.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	10/21/2004
Field Crew:	Lutz/Haque
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	3.23
OHW (m)	1.59
Max Depth (m)	0.16
CHANNEL DESCRIPTION	

0.60

0.75

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.45
0.45
7.44
0.45
No
0.10
0.07
No
0.50
No

#### Culvert Comments:

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0333

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** Road Name: 7292-C Grays Harbor

County: NW1/4 Section: Section: 32 20N Township: 07W

# POSITIONAL DATA

WGS 84, decimal degrees

47.17592 Latitude: -123.58624 Longitude: WA state plane south (NAD 27, feet)

1,232,948 687,013 North:

# **EVALUATION LEVEL COMPLETED**

Report Logged Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### WATERBODY

Range:

Stream: unnamed Tributary To: Carter Cr 22.0291 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

#### **Location / Directions:**

Site Comments:

OHW = 1.1 meters.

Water crossing is approximately 0.2 miles southeast of the 7292/7292C junction.

## SPECIES POTENTIAL

Sockeye Pink

Resident Trout Dolly/Bull Trout

Chum Chinook

**Brook Trout** 

✓ Sea Run Cutthroat

**V** Coho Steelhead

Brown Trout

#### OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.75
OHW (m)	1.75
Max Depth (m)	0.60

#### CHANNEL DESCRIPTION

Toe Width (m)	1.20
Span/Toe Ratio	0.63

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.75
Rise (m)	0.75
Length (m)	18.68
Slope (%)	3.30
Bed Material	No
Outfall Drop (m)	0.66
WDIC (m)	0.06
Apron	No
Fill Depth (m)	2.00
Tidegate	No



**Mason Conservation District** 

Site ID:	127Y0334	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	7204	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.17718	<b>✓</b>	Field Review
1/4 Section:	NE	Longitude:	-123.58070		Threshold Determination
Section:	32	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	20N	East:	1,234,341		Downstream Check
Range:	07W	North:	687,419		Physical Survey
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL
Stream:	Carter Cr	Water crossing is ap	proximately 0.1 miles west		Sockeye Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	of the 7200/7204 jun			Pink Resident Trout
WRIA:	22.0291				Chum Dolly/Bull Trout
Fish Use:	No				Chinook Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout
OWNER		OHW < 0.6 meters.			Steelhead
Name:	en Diamond Resource Comp				
Type:	Private				
LEVEL A ANA	AL VEIE				
LEVEL A AN	ALTOIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	10/26/2004	Length (m)		Survey	Туре:
Field Crew:	Lutz/Haque	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	(sq m)
Method					V-1 /
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.32
Rise (m)	0.32
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Poorly defined stream channel, perennial vegetation throughout.



**Mason Conservation District** 

Site ID:

PI:

127Y0335

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION **GENERAL LOCATION**

#### 7200 Road Name: Grays Harbor County:

NW1/4 Section: Section: 32 20N Township: 07W

WATERBODY

Range:

Stream: unnamed Tributary To: unnamed 22.0293 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

OWNER

en Diamond Resource Comp Name: Private Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.17763 Latitude: -123.59487 Longitude: WA state plane south (NAD 27, feet)

1,230,827 687,719 North:

#### **Location / Directions:**

Water crossing is approximately 0.6 miles southwest of the 7200/7290 junction.

Site Comments:

OHW = 0.6 meters.

#### **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:	10/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.25
OHW (m)	1.05
Max Depth (m)	0.45

#### CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	0.60

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	8.29
Slope (%)	4.20
Bed Material	No
Outfall Drop (m)	0.52
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0336

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7200
County:	Grays Harbor
1/4 Section:	SE
Section:	31
Township:	20N
Range:	07W

#### POSITIONAL DATA

**Location / Directions:** 

Site Comments:

OHW = 0.85 meters.

WGS 84, decimal degrees	
Latitude:	47.17452
Longitude:	-123.59844
WA state plane south (NAD 27 feet)	

East: 1,229,895 North: 686,620

Water crossing is approximately 0.85 miles southwest of the 7200/7290 junction.

SPECIES	POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0293
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	6.17
OHW (m)	1.75
Max Depth (m)	0.58

#### CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.89

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	15.39
Slope (%)	7.60
Bed Material	No
Outfall Drop (m)	1.75
WDIC (m)	0.05
Apron	No
Fill Depth (m)	3.50
Tidegate	No



**Mason Conservation District** 

Site ID: 127Y0337 Fish Use:

Barrier:

#### SITE DESCRIPTION

**GENERAL LOCATION** 

#### 7200 Road Name: Grays Harbor County: 1/4 Section: SE

Section: 31 20N Township: 07W Range:

#### WATERBODY

Stream: unnamed Tributary To: unnamed 22.0293 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

#### OWNER

en Diamond Resource Comp Name: Private Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.16941 Latitude: -123.60205 Longitude: WA state plane south (NAD 27, feet)

PI:

1,228,926 684,794 North:

#### **Location / Directions:**

Water crossing is approximately 1.3 miles southwest of the 7200/7290 junction.

Site Comments:

OHW = 0.50 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

No

Downstream Check

Physical Survey

#### **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroat
Pink	Resident Trout

Chum Dolly/Bull Trout

**Brook Trout** Chinook Brown Trout Coho

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Darklana	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DECORIDION	

#### CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	0.90

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Culvert buried downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0338

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: 7

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

 Road Name:
 7200

 County:
 Grays Harbor

 1/4 Section:
 SW

 Section:
 31

 Township:
 20N

 Range:
 07W

unnamed

unnamed 22.0293

22.0000

Yes

Mapped

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.16811

 Longitude:
 -123.60281

 WA state plane south (NAD 27, feet)

East: 1,228,718
North: 684,328

#### Location / Directions:

Water crossing is approximately 1.4 miles southwest of the 7200/7290 junction.

#### Site Comments:

Wetland habitat upstream. OHW = 1.1 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

#### SPECIES POTENTIAL

Sockeye	✓ Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout

 ☐ Chinook
 ☐ Brook Trout

 ✔ Coho
 ☐ Brown Trout

✓ Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.37
OHW (m)	2.05
Max Depth (m)	0.84

#### CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	0.67

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	15.56
Slope (%)	4.50
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.10
Apron	No
Fill Depth (m)	3.50
Tidegate	No

#### **Culvert Comments:**

Bottom of culvert rusted out downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0339

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	7200 Old
County:	Grays Harbor
1/4 Section:	NW
Section:	6
Township:	19N
Range:	07W

Carter Cr

Wynoochee R 22.0311

22.0291

Yes

Mapped

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees 47.16504 Latitude: -123.60237 Longitude:

WA state plane south (NAD 27, feet)

1,228,782 683,206 North:

#### **Location / Directions:**

Water crossing is approximately 1.75 miles south of the 7200/7290 junction.

#### Site Comments:

OHW = 2.7 meters.

#### **EVALUATION LEVEL COMPLETED**

Report Logged
 Field Poviou

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>/</b>	Coho	Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	3.37
Max Depth (m)	0.70

#### CHANNEL DESCRIPTION

Toe Width (m)	2.10
Span/Toe Ratio	0.89

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.86
Rise (m)	1.02
Length (m)	12.56
Slope (%)	0.35
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.45
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Culvert deformed downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0340

Fish Use: Barrier: Yes

Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: 7200 County: Grays Harbor 1/4 Section: NE Section: 6 Township: 19N Range: 07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.16058

Longitude: -123.60023

WA state plane south (NAD 27, feet)

East: 1,229,252

North: 681,558

## EVALUATION LEVEL COMPLETED

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Carter Cr 22.0291
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

**Site Comments:**OHW = 0.65 meters.

Water crossing is approximately 2.1 miles south of the 7200/7290 junction.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Staalhaad	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.60	
Span/Toe Ratio	1.58	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.95
0.85
21.65
6.00
No
0.90
0.03
No
4.50
No

#### **Culvert Comments:**

Series of cascades downstream, no plunge pool.



**Mason Conservation District** 

Site ID:

PI:

127Y0341

Fish Use:

Unk

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7200
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	19N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.15908	
Longitude:	-123.60038	
WA state plane south (NAD 27, feet)		
East: 1,229,192		

681,012

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Carter Cr 22.0291
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

North:

Water crossing is approximately 2.2 miles south of the 7200/7290 junction.

Poorly defined channel, OHW near 0.6 meters.

#### SPECIES POTENTIAL

LOILOI OII	-1411/1/-	
Socke	ye 🗸	Sea Run Cutthroat
Pink	<b>✓</b>	Resident Trout
Chum		Dolly/Bull Trout
Chino	ok	Brook Trout
<b>✓</b> Coho		Brown Trout
Steelh	ead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.35
OHW (m)	1.40
Max Depth (m)	0.29
CHANNEL DESCRIPTION	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

	Г
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.43
Length (m)	17.26
Slope (%)	5.80
Bed Material	No
Outfall Drop (m)	0.25
WDIC (m)	0.06
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio



#### **Mason Conservation District**

Site ID:

PI:

47.14983

127Y0342

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7250
County:	Grays Harbor
1/4 Section:	NE
Section:	12
Township:	19N
Range:	W80

#### **POSITIONAL DATA**

WGS 84,	decimal degrees
Latitude:	

Longitude:	-123.61136
WA state plane soutl	h (NAD 27, feet)

#### East: 1,226,330 677,749 North:

## **EVALUATION LEVEL COMPLETED**

	Report Loggea
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Carter Cr 22.0291
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments: OHW = 0.85 meters.

Water crossing is approximately 1.7 miles southwest of the 7200/7250 junction.

**POTENTIAL HABITAT GAIN** 

PECIE	3 POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.81	
OHW (m)	5.00	
Max Depth (m)	0.90	
CHANNEL DESCRIPTION		

0.75

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.90
Length (m)	24.74
Slope (%)	2.70
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.12
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m) Span/Toe Ratio

Armored banks downstream.



**Mason Conservation District** 

Site ID: **127Y0343** 

Rearing (sq m)

PI:

Fish Use: No

Barrier:

SITE	DESCRIP'	TION
01 I E	DEGUINII	11011

GENERAL LOCA	ATION	POSITIONAL DATA	1	EVALU	ATION LEVEL	. COMPLETED
Road Name:	7250	WGS 84, decimal de	egrees		Report Logge	ed
County:	Grays Harbor	Latitude:	47.14999	<b>✓</b>	Field Review	
1/4 Section:	NE	Longitude:	-123.61150		Threshold De	etermination
Section:	12	WA state plane sout	h (NAD 27, feet)		Expanded Th	reshold Determination
Township:	19N	East:	1,226,297		Downstream	Check
Range:	W80	North:	677,809		Physical Sur	vey
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIA	•
Stream:	unnamed	Water crossing is an	proximately 1.7 miles	3FECIE	Sockeye	Sea Run Cutthroat
Tributary To:	Carter Cr 22.0291	southwest of the 720			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		OHW = 0.4 meters.			Coho Steelhead	Brown Trout
Name:	en Diamond Resource Comp				Otecinead	
Туре:	Private					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITA	T GAIN
Review Date:	10/26/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	

0.34

1.32

## **CULVERT DESCRIPTION**

Passability (%)

Repair Status

Method

Problem

Sequencer:	1.1	
Shape	RND	
Material	PVC	
Span (m)	0.45	
Rise (m)	0.45	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.30	
WDIC (m)	0.04	
Apron	No	
Fill Depth (m)	3.00	
Tidegate	No	
3		

## Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



#### **Mason Conservation District**

Site ID:

PI:

127Y0344

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7251-C
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	19N
Range:	08W

#### **POSITIONAL DATA**

Location / Directions:

Site Comments:

OHW = 1.05 meters.

of the 7251/7251C junction.

WGS 84, decimal degrees 47.15960 Latitude: -123.61556 Longitude:

WA state plane south (NAD 27, feet) East: 1,225,426 681,353 North:

Water crossing is approximately 0.3 miles west

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

unnamed Stream: Tributary To: Carter Cr 22.0291 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

## OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Lutz/Haque
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
0.85		

0.71

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	12.64
Slope (%)	3.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.16
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Riffles downstream of culvert, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0345

Fish Use:

No

Barrier: Unk

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7251-C	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	1	
Township:	19N	
Range:	W80	

#### **POSITIONAL DATA**

 WGS 84, decimal degrees

 Latitude:
 47.16086

 Longitude:
 -123.61466

WA state plane south (NAD 27, feet)

East: 1,225,669

North: 681,801

# EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
<b>~</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Carter Cr 22.0291
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments: OHW = 0.6 meters.

Water crossing is approximately 0.4 miles west of the 7251/7251C junction.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	10/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.00	
OHW (m)	0.80	
Max Depth (m)	0.11	
CHANNEL DESCRIPTION		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	12.55
Slope (%)	0.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Toe Width (m)	0.50
Span/Toe Ratio	1.20

#### **Culvert Comments:**

Riffle at downstream end, no plunge pool. Level B not applicable due to lack of downstream control.



**Mason Conservation District** 

Site ID: **127Y0346** 

PI:

Fish Use:

No

Barrier:

SITE	DEC	CDI	DTI	

SITE DESCR	RIPTION					
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	Wynoochee Valley Rd	WGS 84, decimal deg	grees		Report Logge	ed
County:	Grays Harbor	Latitude:	47.16674	<b>✓</b>	Field Review	1
1/4 Section:	NW	Longitude:	-123.62596		Threshold De	etermination
Section:	1	WA state plane south	(NAD 27, feet)		Expanded Th	nreshold Determination
Township:	19N	East:	1,222,945		Downstream	Check
Range:	W80	North:	684,057		Physical Surv	vey
WATERBODY		Location / Directions	s:	SPECIE	ES POTENTIA	L
Stream:	unnamed	Water crossing is app	proximately 0.75 miles		Sockeye	Sea Run Cutthroat
Tributary To:	Wynoochee R 22.0311	northeast of the Wynd Ln junction.	oochee Valley Rd/Eagle		Pink	Resident Trout
WRIA:	22.0000	Lif juricuori.			Chum	Dolly/Bull Trout
Fish Use:	No	Site Comments:			Chinook	Brook Trout
FUP Criteria:	Physical				Coho	Brown Trout
OWNER		OHW = 1.1 meters. It downstream.	Natural point barrier		Steelhead	Blown Hout
Name:	Grays Harbor					
Type:	County					
LEVEL A AN	INI VCIC					
SUMMARY INFO		PLUNGE POOL DES	CDIDTION	POTEN	TIAL HABITA	T GAIN
Review Date:	11/10/2004	1	OKII HON			1 OAIN
	Blatt/Lutz	Length (m)		Survey	**	
Field Crew:	Diali/Luiz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)		CHANNEL DESCRIP	TION	Rearing	(sq m)	
Method		Toe Width (m)	0.95			
Repair Status		roe widin (m)	0.90			

## **CULVERT DESCRIPTION**

Problem

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.20
Rise (m)	1.23
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.95
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Riffle at downstream end, no outfall or plunge

1.26

**Mason Conservation District** 

Site ID:

PI:

127Y0347

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	A-500
County:	Grays Harbor
1/4 Section:	SE
Section:	26
Township:	18N
Range:	08W

unnamed

Black Cr 22.0268

22.0000

Physical

Weyerhaeuser Company

Private

# POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.00958	
Longitude:	-123.64454	

WA state plane south (NAD 27, feet)

East: 1,216,043

North: 626,966

## Location / Directions:

Water crossing is approximately 1.9 miles northeast of the Sylvia A-line/A-500 junction.

#### Site Comments:

OHW = 0.6 meters.

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

#### SPECIES POTENTIAL

Physical Survey

SPECIES POTENTIAL		
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

Review Date:	11/22/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	0.90
Max Depth (m)	0.05

#### CHANNEL DESCRIPTION

Toe Width (m)	0.45
Span/Toe Ratio	1.04

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.47
0.47
14.93
6.70
No
0.57
0.02
No
3.00
No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0348

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

# Road Name: A-500 County: Grays Harbor 1/4 Section: NE Section: 35

 Township:
 18N

 Range:
 08W

#### WATERBODY

 Stream:
 unnamed

 Tributary To:
 Black Cr 22.0268

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

#### OWNER

Name: Weyerhaeuser Company
Type: Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 47.00917

 Longitude:
 -123.64355

 WA state plane south (NAD 27, feet)

East: 1,216,284
North: 626,804

#### **Location / Directions:**

Water crossing is approximately 1.8 miles northeast of the A-500/Sylvia A-line junction.

#### Site Comments:

OHW = 0.8 meters.

#### **EVALUATION LEVEL COMPLETED**

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
٦	Chinook	Brook Trout

☐ Chinook Coho

Steelhead

Brown Trout

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	11/22/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.02

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
24.26
9.50
No
0.00
0.10
No
5.00
No

#### **Culvert Comments:**

Riffle at downstream end, no plunge pool or outfall.



#### **Mason Conservation District**

Site ID:

PI:

127Y0349

Fish Use:

Barrier:

Yes Yes

## SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	A-590
County:	Grays Harbor
1/4 Section:	SE
Section:	26
Township:	18N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.01214	
Longitude:	-123.63954	
WA state plane south (NAD 27, feet)		
East:	1,217,326	

627,847

## **EVALUATION LEVEL COMPLETED**

Ш	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW = 1.95 meters.

North:

Water crossing is approximately 0.1 miles northeast of the A-590/A-500 junction.

PECIES P	OTENTIAL	
☐ So	ckeye	✓ Sea Run Cutthroa
Pir	nk	Resident Trout
Ch	ium	Dolly/Bull Trout
Ch	inook	Brook Trout
<b>✓</b> Co	ho	Brown Trout
✓ Ste	eelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/22/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	outfall drop

#### PLUNGE POOL DESCRIPTION

3.75	
3.00	
0.83	
CHANNEL DESCRIPTION	
1.95	

0.65

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.27
Rise (m)	1.27
Length (m)	12.27
Slope (%)	0.40
Bed Material	No
Outfall Drop (m)	0.29
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.00
Tidegate	No

# **Culvert Comments:**

Span/Toe Ratio

Overflow pipe on right bank.



**Mason Conservation District** 

Site ID:

PI:

47.04270

-123.71641

1,198,620

639,758

127Y0350

Fish Use:

No

Barrier:

SITE	DESCRIP	TIOI	N
------	---------	------	---

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Tributary To:

FUP Criteria:

#### **POSITIONAL DATA GENERAL LOCATION** A-1130 WGS 84, decimal degrees Road Name: Grays Harbor County: Latitude: SW Longitude: 1/4 Section: Section: 17 WA state plane south (NAD 27, feet) 18N Township: 08W Range: North: WATERBODY **Location / Directions:**

unnamed

Wynoochee R 22.0311

22.0000

Physical

Weyerhaeuser Company

Private

Water crossing is approximately 50 meters north of the A-1130/A-1100 junction.

#### Site Comments:

OHW = 0.55 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Staalhaad	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/23/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	1.42
OHW (m)	1.35
Max Depth (m)	0.25

#### CHANNEL DESCRIPTION

Toe Width (m)	0.49
Span/Toe Ratio	0.94

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.65
WDIC (m)	0.02
Apron	No
Fill Depth (m)	4.50
Tidegate	No

#### **Culvert Comments:**

PVC overflow pipes on both banks.

**Mason Conservation District** 

PI:

127Y0351

Fish Use:

se: No

Barrier:

SIT	ΓF	n	F٩	CR	<b>IPT</b>		N
JI.		$\mathbf{\nu}$	ᆫᇰ	$\mathbf{c}$	IF I	ı	ı

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

GENERAL LOCATION		
Road Name:	A-1130	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	17	
Township:	18N	
Range:	W80	

unnamed

Wynoochee R 22.0311

22.0000

Physical

Weyerhaeuser Company

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees
Latitude:

 Latitude:
 47.04543

 Longitude:
 -123.71315

WA state plane south (NAD 27, feet)

East: 1,199,471

Location / Directions:

North:

Water crossing is approximately 0.4 miles north of the A-1130/A-1100 junction.

640,718

Site Comments:

OHW = 0.35 meters.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

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

$\Box$	
	Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/23/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

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

#### CHANNEL DESCRIPTION

Toe Width (m)	0.33
Span/Toe Ratio	1.33

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.44
Rise (m)	0.44
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.80
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

127Y0352

Fish Use:

Unk

#### PI: Barrier: Unk SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** A-1150 WGS 84, decimal degrees Report Logged Road Name: Grays Harbor 47.03230 **~** Field Review Latitude: County: Threshold Determination -123.69963 1/4 Section: NE Longitude: **Expanded Threshold Determination** Section: 20 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,202,645 08W Physical Survey 635,798 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** unnamed Stream: Water crossing is approximately 1.0 mile south Sockeye ✓ Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 of the A-1150/A-1100 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: Unk **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout **V** Coho Site is backwatered by beaver ponds upstream **OWNER** and downstream. Unable to complete level A. Steelhead Weyerhaeuser Company Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 11/23/2004 Length (m) Survey Type: Blatt/Lutz Field Crew: Length (m): OHW (m) Unk Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) OT Method Toe Width (m) Repair Status Span/Toe Ratio Problem **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.32
Rise (m)	0.32
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

#### **Culvert Comments:**

Culvert completely submerged, unable to complete level A.



#### **Mason Conservation District**

Site ID:

PI:

127Y0353

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	A-70
County:	Grays Harbor
1/4 Section:	SW
Section:	20
Township:	18N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments: OHW = 0.65 meters.

west of the A-70/A-line junction.

WGS 84, decimal degrees		
Latitude:	47.02769	
Longitude:	-123.71432	

WA state plane south (NAD 27, feet)

1,198,917 634,265 North:

Water crossing is approximately 0.35 miles

## SI

PECIES POTENTIAL	
Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### WATERBODY

unnamed
Wedekind Cr 22.0283
22.0000
Yes
Physical

## OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/23/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.65
OHW (m)	4.22
Max Depth (m)	0.25
CHANNEL DESCRIPTION	

Toe Width (m)	0.65
Span/Toe Ratio	0.94

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	31.09
Slope (%)	4.90
Bed Material	No
Outfall Drop (m)	0.05
WDIC (m)	0.02
Apron	No
Fill Depth (m)	8.00
Tidegate	No

#### **Culvert Comments:**

Bottom of culvert rusted out downstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0354

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	A-70
County:	Grays Harbor
1/4 Section:	SE
Section:	19
Township:	18N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments: OHW = 0.85 meters.

of the A-70/A-line junction.

WGS 84, decimal degrees		
Latitude:	47.03101	
Longitude:	-123.72389	
WA state plane south (NAD 27, feet)		

WA State plane south	ii (NAD 27, leet)
East:	1,196,581
North:	635,573

Water crossing is approximately 0.9 miles west

## S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

unnamed
Wedekind Cr 22.0283
22.0000
Yes
Physical

## OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/23/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.54	
OHW (m)	1.81	
Max Depth (m)	0.34	

#### **CHANNEL DESCRIPTION**

Toe Width (m)	0.55
Span/Toe Ratio	0.69

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.38
Rise (m)	0.38
Length (m)	17.01
Slope (%)	8.10
Bed Material	No
Outfall Drop (m)	1.39
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0355

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** A-1500 Road Name: Grays Harbor County: NW 1/4 Section: 18 Section: 18N Township: 08W Range:

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.04685	
Longitude:	-123.72937	
WA state plane south (NAD 27, feet)		
East:	1,195,452	
North:	641,401	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Wedekind Cr 22.0283
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### Location / Directions:

Site Comments: OHW = 1.9 meters.

Water crossing is approximately 0.55 miles southwest of the A-1500/ A-line junction.

#### s

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/23/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.63	
Span/Toe Ratio	0.37	

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	31.36
Slope (%)	5.80
Bed Material	No
Outfall Drop (m)	0.60
WDIC (m)	0.06
Apron	No
Fill Depth (m)	7.00
Tidegate	No

#### **Culvert Comments:**

Rip rap at downstream end, no plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

640,816

127Y0356

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### GENERAL LOCATION

Road Name:	A-1550
County:	Grays Harbor
1/4 Section:	NW
Section:	18
Township:	18N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	47.04529
Longitude:	-123.72777
WA state plane south (NAD 27, feet)	
East:	1,195,829

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Wedekind Cr 22.0283
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

**Site Comments:**OHW = 0.95 meters.

North:

Water crossing is approximately 20 meters south of the A-1500/A-1550 junction.

#### SPECIES POTENTIAL

LOIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

## OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/23/2004
Field Crew:	Blatt/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.06
OHW (m)	1.10
Max Depth (m)	0.26
CHANNEL DESCRIPTION	

0.67

0.67

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
0.45
0.45
12.45
7.70
No
0.39
0.04
No
2.50
No

#### Culvert Comments:

Toe Width (m)



**Mason Conservation District** 

Site ID:

PI:

127Y0357

Fish Use:

lse: No

Barrier:

SITF			

GENERAL LOCATION		
Road Name:	A-70	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	20	
Township:	18N	
Range:	W80	

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.02907

Longitude: -123.71710

WA state plane south (NAD 27, feet)

East: 1,198,245

North: 634,798

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Γributary To:	Wedekind Cr 22.0283
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

OHW = 0.35 meters.

Water crossing is approximately 0.5 miles west of the A-70/A-line junction.

#### **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	11/30/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.35	

1.34

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.47
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Cascades at downstream end, no plunge pool.



**Mason Conservation District** 

Site ID:

PI:

127Y0358

Fish Use:

No

Barrier:

SITF			

GENERAL LOCATION		
Road Name:	A-3530	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	5	
Township:	18N	
Range:	W80	

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.07505

Longitude: -123.71191

WA state plane south (NAD 27, feet)

East: 1,200,220

North: 651,499

#### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Review
Threshold Determination
Expanded Threshold Determination
Downstream Check
Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW = 0.5 meters.

#### SPECIES POTENTIAL

Sea Run Cutthroa
Resident Trout
Dolly/Bull Trout
Brook Trout
Brown Trout

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION PLUNGE POOL DESCRIPTION

Review Date:	11/30/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	1.40
OHW (m)	0.90
Max Depth (m)	0.30

#### CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	0.94

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.45
WDIC (m)	0.06
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0359

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	A-1300
County:	Grays Harbor
1/4 Section:	SW
Section:	33

18N

08W

#### WATERBODY

Township:

Range:

Cr .
22.0311
,
,

#### OWNER

Name:	Trees Inc
Type:	Private

#### POSITIONAL DATA

MCC 04 decimal degrees

WGS 84, decimal de	grees
Latitude:	46.99592
Longitude: -123 69636	

WA state plane south (NAD 27, feet)

East:	1,202,922
North:	622,507

#### **Location / Directions:**

Water crossing is approximately 100 meters east, past the gate at the east end of the A-1300 line.

#### Site Comments:

Large man made ponds upstream and downstream. Downstream of site is a additional culvert with a vertical overflow intake, passing water back into Geisler Creek. Upstream end of culvert has steel debris bars.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES POTENTIAL				
	Sockeye	✓ Sea Run Cutthroat		
	Pink	✓ Resident Trout		
	Chum	Dolly/Bull Trout		
	Chinook	Brook Trout		
<b>✓</b>	Coho	Brown Trout		
	Steelhead			

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/27/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	12.45
Slope (%)	1.80
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Toe and plunge pool measurements unavailable due to ponds upstream and downstream. Outfall drop falls onto metal chute 3 meters long.



#### **Mason Conservation District**

Site ID:

PI:

127Y0360

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	A-1300
County:	Grays Harbor
1/4 Section:	SW
Section:	33
Township:	18N
Range:	W80

WGS 84, decimal degrees		
46.99616		
-123.69613		
WA state plane south (NAD 27, feet)		
1,202,985		
622,592		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	Geisler Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0267
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

**POSITIONAL DATA** 

Water crossing is approximately 100 meters east, past the gate at the east end of the A-1300 line.

#### SI

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### **OWNER**

Name:	Trees Inc
Type:	Private

# Site Comments:

Upstream end of culvert is a vertical overflow intake with debris diversion structure around entrance. Large holding pond upstream, downstream falls into Geisler Creek.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/27/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	3.63	

0.44

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.60
Rise (m)	0.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	3.95
WDIC (m)	0.13
Apron	No
Fill Depth (m)	4.00
Tidegate	No

## **Culvert Comments:**

Span/Toe Ratio

Unable to complete level A slope and length calculations due to vertical overflow intake upstream.



#### **Mason Conservation District**

Site ID:

PI:

127Y0361

Fish Use:

Barrier:

Yes

Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	A-1090
County:	Grays Harbor
1/4 Section:	SW
Section:	4
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	46.98550	
Longitude:	-123.69579	
WA state plane south (NAD 27, feet)		
East:	1,202,911	
North:	618,705	

#### **EVALUATION LEVEL COMPLETED**

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

unnamed
unnamed 22.0266
22.0000
Yes
Physical

#### Location / Directions:

Site Comments: OHW = 0.65 meters.

Water crossing is approximately 0.15 miles north of the A-1090/A-1000 junction.

#### SPECIES POTENTIAL

LOIL	.51 OILNIIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Bascom Pacific LLC
Гуре:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/27/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	outfall drop

#### PLUNGE POOL DESCRIPTION

Length (m)	1.62	
OHW (m)	0.91	
Max Depth (m)	0.31	
CHANNEL DESCRIPTION		
Toe Width (m)	0.54	

1.13

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
12.32
-0.50
No
0.46
0.03
No
0.50
No

# **Culvert Comments:**

Span/Toe Ratio

Culvert is heavily rusted both ends.



#### **Mason Conservation District**

Site ID:

PI:

127Y0362

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** A-1090 Road Name:

Grays Harbor County: NW1/4 Section: Section: 4 17N Township: 08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

46.99183 Latitude: -123.69186 Longitude: WA state plane south (NAD 27, feet) 1,203,985 620,970 North:

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream: unnamed Tributary To: unnamed 22.0266 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

#### **Location / Directions:**

Site Comments:

OHW = 0.8 meters.

Water crossing is approximately 0.6 miles north of A-1090/A-1000 junction.

ECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Weyerhaeuser Company Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/28/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	OK
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.32
OHW (m)	0.91
Max Depth (m)	0.62
CHANNEL DESCRIPTION	

0.73

0.84

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	12.17
Slope (%)	3.30
Bed Material	Yes
Outfall Drop (m)	0.41
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.50
Tidegate	No

## Toe Width (m) Span/Toe Ratio

**Culvert Comments:** 

Downstream end of culvert has a log across which is recruiting stream bed material.



#### **Mason Conservation District**

Site ID:

PI:

127Y0363

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	3

17N Township: 08W Range:

#### WATERBODY

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

#### OWNER

Bascom Pacific LLC Name: Private Type:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

46.98790 Latitude: -123.66214 Longitude: WA state plane south (NAD 27, feet) 1,211,338 619,240 North:

#### **Location / Directions:**

Water crossing is located on private logging road, west of West Wynoochee Rd.

#### Site Comments:

OHW = 0.7 meters.

#### **EVALUATION LEVEL COMPLETED**

Report Logged
Field Paviou

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

# **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout

Brown Trout

Coho

Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/28/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.83
OHW (m)	1.34
Max Depth (m)	0.35

#### CHANNEL DESCRIPTION

Toe Width (m)	0.48
Span/Toe Ratio	0.63

#### **POTENTIAL HABITAT GAIN**

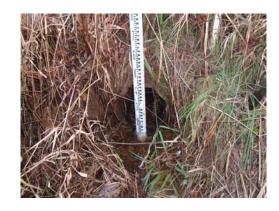
Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	6.09
Slope (%)	1.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.25
Tidegate	No

#### **Culvert Comments:**

Downstream end of culvert is rusted out.



**Mason Conservation District** 

## Site ID:

PI:

127Y0364

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	3
Township:	17N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude:	46.98239	
Longitude:	-123.66137	
WA state plane south (NAD 27, feet)		
East:	1,211,450	
North:	617,223	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:
OHW = 0.7 meters.

Water crossing is located on private logging road, west of West Wynoochee Rd.

#### SPECIES POTENTIAL

		-
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Staalhaad	

#### OWNER

Name:	Bascom Pacific LLC
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/28/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.22	
OHW (m)	1.58	
Max Depth (m)	0.46	
CHANNEL DESCRIPTION		

0.50

0.92

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.46
0.46
9.21
2.90
No
0.16
0.02
No
0.50
No

#### **Culvert Comments:**

Toe Width (m)



#### **Mason Conservation District**

Site ID:

PI:

127Y0365

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENE	RAL	LOCA	TION

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

 WGS 84, decimal degrees

 Latitude:
 46.98174

 Longitude:
 -123.67692

 WA state plane south (NAD 27, feet)

 East:
 1,207,562

617,142

## EVALUATION LEVEL COMPLETED

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Higgins SI 22.0257
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

OHW = 0.85 meters.

North:

Water crossing is located immediately west of private road/Badgle Rd junction.

#### SPECIES POTENTIAL

LOIL	.SI OILNIIAL	
	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Bascom Pacific LLC
Tyne:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/27/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.22	
OHW (m)	1.56	
Max Depth (m)	0.28	
CHANNEL DESCRIPTION		

0.82

0.74

#### POTENTIAL HABITAT GAIN

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

## **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
10.88
8.90
No
0.00
0.03
No
3.00
No

#### **Culvert Comments:**

Toe Width (m)



#### **Mason Conservation District**

Site ID:

PI:

127Y0366

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	A-600
County:	Grays Harbor
1/4 Section:	NW
Section:	7
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	46.97592	
Longitude:	-123.72771	
WA state plane south (NAD 27, feet)		
East:	1,194,808	

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	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:**

Site Comments: OHW = 0.9 meters.

North:

Water crossing is approximately 0.4 miles north of the A-600/Highway 12 junction.

615,536

#### SPECIES POTENTIAL

٠.			
		Sockeye	Sea Run Cutthroa
		Pink	Resident Trout
		Chum	Dolly/Bull Trout
		Chinook	Brook Trout
	<b>~</b>	Coho	Brown Trout
		Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	12/27/2004
Field Crew:	Blatt/Lutz/Randall
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.65	
Span/Toe Ratio	1.49	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.97
Rise (m)	0.85
Length (m)	13.36
Slope (%)	5.50
Bed Material	No
Outfall Drop (m)	1.02
WDIC (m)	0.04
Apron	No
Fill Depth (m)	4.00
Tidegate	No

# Culvert Comments:

Series of cascades downstream, no plunge pool. Downstream end of culvert has rusted bottom.



**Mason Conservation District** 

PI:

127Y0367

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

No

Barrier:

DESCR	

#### **GENERAL LOCATION** N Bank Rd Road Name:

Grays Harbor County: NE 1/4 Section: Section: 9 17N Township:

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

OHW = 0.55 meters.

46.97651 Latitude: -123.68614 Longitude: WA state plane south (NAD 27, feet) 1,205,185 615,331 North:

Water crossing is approximately 0.2 miles

northeast of the North Bank Rd/State Hwy 12.

SPECIES POTENTIAL			
Sockeye	Sea Run Cutthroa		
Pink	Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
Coho	Brown Trout		

#### WATERBODY

Range:

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

## Site Comments:

08W

## OWNER

Martin & Ruthanne Kay Name: Private Type:

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	2/3/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	1.15
Max Depth (m)	0.20

#### CHANNEL DESCRIPTION

Toe Width (m)	0.45
Span/Toe Ratio	0.90

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.41
Rise (m)	0.41
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.02
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:

PI:

127Y0368

Fish Use:

Yes

#### Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	17N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.97850	
Longitude:	-123.67775	
WA state plane south (NAD 27, feet)		
East:	1,207,306	
North:	615,969	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Higgins SI
Chehalis R 22.0190
22.0257
Yes
Mapped

#### Location / Directions:

Site Comments: OHW = 0.85 meters.

Water crossing is approximately 0.4 miles southwest of private logging road/Badgle Rd junction.

#### SPECIES POTENTIAL

	-	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Bascom Pacific LLC
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	1/4/2005		
Field Crew:	Blatt/Hamel		
Barrier	Yes		
Passability (%)	33		
Method	LA		
Repair Status	UD		
Problem	outfall drop, slope		

#### PLUNGE POOL DESCRIPTION

Length (m)	1.40		
OHW (m)	1.10		
Max Depth (m)	0.18		
CHANNEL DESCRIPTION			

0.82

0.71

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

***************************************			
1.1			
RND			
CST			
0.61			
0.61			
21.25			
6.90			
No			
0.97			
0.04			
No			
3.50			
No			

#### **Culvert Comments:**

Toe Width (m)



**Mason Conservation District** 

Site ID:

PI:

127Y0369

Fish Use:

No

Barrier:

SITE	DESCR	IPTION

#### POSITIONAL DATA **EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged Private Rd WGS 84, decimal degrees Road Name: Grays Harbor 46.97605 Field Review County: Latitude: Threshold Determination -123.67856 1/4 Section: NE Longitude: **Expanded Threshold Determination** Section: 9 WA state plane south (NAD 27, feet) Downstream Check 17N Township: 1,207,070 08W Physical Survey Range: 615,085 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.6 miles Sockeye Sea Run Cutthroat Tributary To: Higgins SI 22.0257 southwest of private logging road/Badgle Rd Pink Resident Trout junction. WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.55 meters. OWNER Steelhead

#### **LEVEL A ANALYSIS**

Name:

Type:

#### SUMMARY INFORMATION

Review Date:	1/4/2005
Field Crew:	Blatt/Hamel
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Bascom Pacific LLC

Private

#### PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.45		

0.82

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.37
Rise (m)	0.37
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.07
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Riffles at downstream end, no plunge pool.



**Mason Conservation District** 

Site ID: 127Y0370

PI:

Fish Use: No

Barrier:

CIT	E DI	-00		TI	~~!
<b>~</b> 11	- 111	- 🔨	KIP	, , ,,	10

#### **POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged Road Name: C-line WGS 84, decimal degrees Grays Harbor 47.01537 Field Review County: Latitude: Threshold Determination -123.70205 Longitude: 1/4 Section: SE **Expanded Threshold Determination** Section: 29 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,201,791 08W Physical Survey Range: 629,650 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.25 miles Sockeye Sea Run Cutthroat Tributary To: Mooney Cr 22.0281 northwest of the C-line/Geisler Rd junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW < 0.6 meters. Perennial vegetation OWNER throughout channel. Steelhead Weyerhaeuser Company Name: Private Type: **LEVEL A ANALYSIS**

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	1/5/2005	Length (m)	Survey Type:
Field Crew:	Blatt/Hamel/Lutz	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.72
Rise (m)	0.35
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	0.20
Tidegate	No

#### **Culvert Comments:**

Riffle at downstream end, no plunge pool.



**Mason Conservation District** 

Site ID: **127Y0371** 

PI:

Fish Use:

No

Barrier:

SITE	<b>DESCRIP</b>	TION
	DEGUINII	11011

# GENERAL LOCATION Road Name: C-line County: Grays Harbor 1/4 Section: NW Section: 29 Township: 18N Range: 08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.01900	
Longitude:	-123.71055	
WA state plane south (NAD 27, feet)		
East:	1,199,728	
North:	631,059	

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Wedekind Cr 22.0283
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

#### Location / Directions:

Site Comments: OHW = 0.5 meters.

Water crossing is approximately 0.85 miles northwest of C-line/Geisler Rd junction.

#### **SPECIES POTENTIAL**

L	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	1/5/2005
Field Crew:	Blatt/Hamel/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	1.10	
OHW (m)	0.60	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		
Toe Width (m)	0.40	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.02
Apron	No
Fill Depth (m)	4.00
Tidegate	No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:	127Y0372	Fish Use:	No
PI:		Barrier:	

## SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL	COMPLETED
Road Name:	C-line	WGS 84, decimal degr	ees		Report Logg	ed
County:	Grays Harbor	Latitude:	47.02048	✓	Field Review	1
1/4 Section:	NW	Longitude:	-123.71239		Threshold De	etermination
Section:	29	WA state plane south (	NAD 27, feet)		Expanded Th	nreshold Determination
Township:	18N	East:	1,199,292		Downstream	Check
Range:	W80	North:	631,617		Physical Sur	vey
WATERBODY		Location / Directions:	:	SPECIE	S POTENTIA	I
Stream:	unnamed	Water crossing is appre	oximately 1.2 miles	O. 20.2	Sockeye	Sea Run Cutthroat
Tributary To:	Wedekind Cr 22.0283	northwest of C-line/Gei			Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No	014 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Chinook	Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho	Brown Trout
OWNER		OHW = 0.45 meters.			Steelhead	blown float
Name:	Weyerhaeuser Company					
Type:	Private					
LEVEL A AN	ALYSIS					
SUMMARY INFO	PRMATION	PLUNGE POOL DESC	CRIPTION	POTEN	TIAL HABITA	T GAIN
Review Date:	1/5/2005	Length (m)		Survey	Туре:	
Field Crew:	Blatt/Hamel/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)		CHANNEL DESCRIPT	TON	Rearing	. ,	
Method		CHANNEL DESCRIPT	ION		(34 111)	
Renair Status		Toe Width (m)				

#### **CULVERT DESCRIPTION**

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.13
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:	127Y0373	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

= = = = =					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	C-line	WGS 84, decimal de	grees		Report Logged
County:	Grays Harbor	Latitude:	47.02155	<b>✓</b>	Field Review
1/4 Section:	NW	Longitude:	-123.71464		Threshold Determination
Section:	29	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	18N	East:	1,198,747		Downstream Check
Range:	W80	North:	632,033		Physical Survey
WATERBODY		Location / Direction	is:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 1.1 miles	JFECIE	Sockeye Sea Run Cutthroat
Tributary To:	Wedekind Cr 22.0283	northwest of C-line/G			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No	- ·			
FUP Criteria:	Physical	Site Comments:			
OWNER		OHW = 0.5 meters			Coho Brown Trout Steelhead
Name:	Weyerhaeuser Company				
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	1/5/2005	Length (m)		Survey	Туре:
Field Crew:	Blatt/Hamel/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	(sa m)
Method			1 11014		7 (-7)
Repair Status		Toe Width (m)		_	

#### **CULVERT DESCRIPTION**

Problem

1.1
RND
CST
0.47
0.47
No
1.50
0.02
No
7.00
No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0374

Fish Use:

Yes Unk

Barrier:

#### **GENERAL LOCATION**

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SW
Section:	34
Township:	18N
Range:	W80

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.00541	
Longitude:	-123.66577	
WA state plane south (NAD 27, feet)		

•	•
East:	1,210,690
North:	625,657

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	Geisler Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0267
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:

Water crossing is located beneath private drive for residence @ 141 Geisler Rd.

OHW = 2.6 meters. Neighbor reports adult

#### SPECIES POTENTIAL

PECIES POTENTIAL			
Sock	кеуе	✓:	Sea Run Cutthroat
Pink		<b>√</b> I	Resident Trout
Chui	m		Dolly/Bull Trout
Chin	ook		Brook Trout
<b>✓</b> Coh	)		Brown Trout
Ctoo	lbood		

#### OWNER

Name:	John & Vanessa Koski
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	1/26/2005
Field Crew:	Blatt/Lutz/Randall
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

salmon returning above culvert.

Length (m)	7.00	
OHW (m)	4.50	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

2.20

0.48

## POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.25
Length (m)	7.84
Slope (%)	0.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.51
Apron	No
Fill Depth (m)	0.50
Tidegate	No

# Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Upstream end of culvert has concrete covering fill around pipe.



## **Mason Conservation District**

Site ID:

PI:

127Y0375

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	7723 rail grade
County:	Grays Harbor

SE 1/4 Section: 6 Section: 20N Township: 07W Range:

unnamed

unnamed 22.0298

22.0000

Mapped

en Diamond Resource Comp

Private

#### WGS 84, decimal degrees Latitude:

**POSITIONAL DATA** 

47.24761 -123.60345 Longitude: WA state plane south (NAD 27, feet) 1,229,700

713,307

## North: **Location / Directions:**

Water crossing is under abandoned rail road grade 0.85 miles northwest of the 7602-Tie/7603B junction.

#### Site Comments:

OHW = 2.9 meters.

#### **EVALUATION LEVEL COMPLETED**

L	Report Logged
V	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	2/10/2005
Field Crew:	Blatt/Hamel/Randall
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	10.00	
OHW (m)	5.00	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

Toe Width (m)	2.35
Span/Toe Ratio	0.35

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.82
Rise (m)	0.82
Length (m)	52.96
Slope (%)	5.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.44
Apron	No
Fill Depth (m)	31.00
Tidegate	No

#### **Culvert Comments:**

#### **Mason Conservation District**

Site ID:

PI:

127Y0376

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERAL LOCATION
------------------

Road Name:	7723 rail grade
County:	Grays Harbor
1/4 Section:	SE
Section:	6
Township:	20N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.24413	
Longitude:	-123.60098	
WA state plane south (NAD 27, feet)		
East:	1,230,262	
North:	712,016	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0298
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### Location / Directions:

Site Comments: OHW = 1.9 meters.

Water crossing is under abandoned rail road grade 0.65 miles northwest of the 7602-Tie/7603B junction.

#### SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Stoolhood	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	2/10/2005
Field Crew:	Blatt/Hamel/Randall
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.60
OHW (m)	1.35
Max Depth (m) 0.40	
CHANNEL DESCRIPTION	

0.95

0.69

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

OULVERT BEOOKII TION	
Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.66
Rise (m)	0.66
Length (m)	37.21
Slope (%)	2.80
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.40
Apron	No
Fill Depth (m)	25.00
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

#### **Mason Conservation District**

Site ID:

127Y0377

Fish Use:

Yes

PI: Barrier: Unk

# GENERAL LOCATION Road Name: Solki Rd County: Grays Harbor 1/4 Section: NW Section: 17 Township: 17N

08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 46.96525

Longitude: -123.71637

WA state plane south (NAD 27, feet)

East: 1,197,477

North: 611,531

## EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Chehalis R 22.0190
WRIA:	22.0252
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.15 miles north of the Solki Rd/Central Park Dr junction.

Manmade pond US with wetland habitat DS

with beaver influences. OHW>0.60m.

#### SPECIES POTENTIAL

PECIES POTENTIAL		
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Grays Harbor
Tyne:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
CHANNEL DESCRI	PTION	
Toe Width (m)	PTION	
	PTION	

#### POTENTIAL HABITAT GAIN

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.04
Rise (m)	1.04
Length (m)	15.77
Slope (%)	0.72
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	1.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Culvert 1.2 is located on LB.



Site ID:

PI:

127Y0377

Fish Use:

Barrier:

Yes

## **Mason Conservation District**

**CULVERT DESCRIPTION** 

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.05
Rise (m)	1.05
Length (m)	16.07
Slope (%)	0.75
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	1.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Culvert 2.2 is located on RB.



#### **Mason Conservation District**

Site ID:

PI:

127Y0378

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	Karjala Rd	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	8	

17N

08W

WGS 84, decimal degrees Latitude: Longitude:

North:

**POSITIONAL DATA** 

-123.70737 WA state plane south (NAD 27, feet) 1,199,786 613,011

46.96956

## **Expanded Threshold Determination**

Field Review

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

## Downstream Check Physical Survey

#### WATERBODY

Township:

Range:

Stream:	unnamed
Tributary To:	Chehalis R 22.0190
WRIA:	22.0252
Fish Use:	Yes
FUP Criteria:	Physical

#### Location / Directions:

Site Comments: OHW=1.75m.

Water crossing is approximately 0.75 miles west of the Karjala Rd/Hill Rd intersection.

CCIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### **OWNER**

Name:	Grays Harbor
Type:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop: slope

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.15	

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)	1.15
Rise (m)	1.30
Length (m)	32.87
Slope (%)	1.37
Bed Material	No
Outfall Drop (m)	0.53
WDIC (m)	0.04
Apron	No
Fill Depth (m)	6.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Broken pieces of concrete laying in plunge pool making features undefined.



#### **Mason Conservation District**

Site ID:

PI:

127Y0379

Fish Use:

Yes

## Barrier: Unk

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SE
Section:	8
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	46.96945	
Longitude:	-123.70107	
WA state plane south (NAD 27, feet)		
East:	1,201,358	

612,907

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0252
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

located on LB.

North:

Water crossing is approximately 0.45 miles west of the Karjala Rd/Hill Rd intersection. Flows beneath Private Dr at 6405 Karjala Rd.

OHW=2.10m. Two culverts at site, streams

come together at plunge pool. Culvert is

#### SPECIES POTENTIAL

CCIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Grays Harbor
Type:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.30	
Span/Toe Ratio	0.47	
Max Depth (m)  CHANNEL DESCRI  Toe Width (m)	1.30	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
No
0.13
0.03
No
4.00
No

## Culvert Comments:

Outfall drop is into pieces of old culvert to reduce scouring. There is a bend in the culvert, not allowing slope or length measurements. US end of culvert is 0.31x0.31m round precast concrete.



#### **Mason Conservation District**

Site ID:

PI:

127Y0380

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	Karjala Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	8
Township:	17N
Range:	W80

unnamed

Chehalis R 22.0190

22.0252

Physical

Grays Harbor

County

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	46.96953
Longitude:	-123.70140

WA state plane south (NAD 27, feet)

1,201,277 612,939 North:

#### **Location / Directions:**

Water crossing is approximately 0.45 miles west of the Karjala Rd/Hill Rd junction.

#### Site Comments:

OHW=2.10m. Two culverts at site, streams come together at plunge pool. Culvert is located on RB.

**EVALUATION LEVEL COMPLETED** Report Logged

<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES PO	IENTIAL	
Sock	keye [	Sea Run Cutthroat
Pink	[	✓ Resident Trout
Chur	n [	Dolly/Bull Trout
Chin	ook [	Brook Trout
<b>✓</b> Coho	o [	Brown Trout
Stee	lhead	

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.80
OHW (m)	3.10
Max Depth (m)	0.38

#### CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	0.57

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	23.67
Slope (%)	3.56
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.02
Apron	No
Fill Depth (m)	5.00
Tidegate	No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:

PI:

127Y0381

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Karjala Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	8
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	46.96963	
Longitude:	-123.70013	
WA state plane south (NAD 27, feet)		
East:	1,201,593	
North:	612,963	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
unnamed 22.0252
22.0000
Yes
Physical

#### **Location / Directions:**

Site Comments: OHW=0.80m.

Water crossing is approximately 0.40 miles west of the Karjala Rd/Hill Rd intersection.

## SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Grays Harbor
Туре:	County

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.30	
OHW (m)	3.20	
Max Depth (m)	0.36	
CHANNEL DESCRIPTION		

0.62

1.01

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.61
0.61
13.98
3.62
No
0.20
0.03
No
3.00
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

Last section of pipe is dislodged, but is still passing water.



#### **Mason Conservation District**

Site ID:

PI:

127Y0382

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Unk

SITE	DESC	RIP	TION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION	
Road Name:	Central Park Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	18
Township:	17N
Range:	W80

unnamed

Chehalis R 22.0190

22.0252

Physical

Grays Harbor

County

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

 Latitude:
 46.96223

 Longitude:
 -123.72145

 WA state plane south (NAD 27, feet)

East: 1,196,167

North: 610,483

Water crossing is approximately 0.20 miles

west of the Central Park Dr/ Solki Rd junction.

#### -----

ECIES POTENTIA	NL .
Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout

Brown Trout

Site Comments:
Large wetlands US/DS of site.

# LEVEL A ANALYSIS

#### SUMMARY INFORMATION

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
CHANNEL DESCR	RIPTION	
CHANNEL DESCR Toe Width (m)	RIPTION	

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	BOX
Material	PCC
Span (m)	1.90
Rise (m)	1.20
Length (m)	11.55
Slope (%)	0.64
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.98
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

No plunge pool or stream measurements due to wetland influences.



#### **Mason Conservation District**

Site ID:

127Y0383

Fish Use:

Barrier:

Yes Unk

PI:

#### SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged Central Park Dr WGS 84, decimal degrees Road Name: Grays Harbor 46.96441 **~** Field Review Latitude: County: Threshold Determination -123.73229 NW 1/4 Section: Longitude: **Expanded Threshold Determination** Section: 18 WA state plane south (NAD 27, feet) Downstream Check 17N Township: 1,193,493 08W Physical Survey 611,388 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.80 miles Sockeye ✓ Sea Run Cutthroat Tributary To: Chehalis R 22.0190 west of the Central Park Dr/S044 Rd junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: Yes **Brook Trout** Chinook Site Comments: FUP Criteria: Biolgical Brown Trout Coho Rail Rd grade 15m DS of site. **OWNER** Steelhead Grays Harbor Name: County Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 7/12/2004 Length (m) Survey Type: Glore/Blatt Field Crew: Length (m): OHW (m) Barrier Unk Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) LBNA Method

#### **CULVERT DESCRIPTION**

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	19.45
Slope (%)	0.13
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.47
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

No plunge pool or stream width measurements due to wetland/tidal influences.



#### **Mason Conservation District**

Site ID:

PI:

127Y0384

Fish Use: Barrier: Yes Yes

## SITE DESCRIPTION

#### **GENERAL LOCATION**

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

Road Name:	Central Park Dr
County:	Grays Harbor
1/4 Section:	SE
Section:	12
Township:	17N
Range:	W80

unnamed

Chehalis R 22.0190

22.0000

Yes

Physical

Grays Harbor

County

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 46.96678

 Longitude:
 -123.73691

 WA state plane south (NAD 27, feet)

East: 1,192,378

North: 612,299

#### Location / Directions:

Water crossing is approximately 0.60 miles east of the Central Park Dr/Highway 12 junction.

#### Site Comments:

Wetlands present US/DS of site.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIA	L
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout

#### /DS of cito

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	
Span/Too Patio	

#### POTENTIAL HABITAT GAIN

Steelhead

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.61
0.61
16.24
1.99
No
0.00
0.39
No
1.50
No

#### **Culvert Comments:**

No plunge pool or stream measurements due to wetland influences.



#### **Mason Conservation District**

Site ID:

PI:

127Y0385

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

Road Name:	Aberdeen Lk Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	12
Township:	17N

09W

Van Winkle Cr

Chehalis R 22.0190

22.0240

Mapped

Grays Harbor

County

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 46.97841

 Longitude:
 -123.74780

 WA state plane south (NAD 27, feet)

East: 1,189,836
North: 616,648

#### Location / Directions:

Water crossing is approximately 0.15 miles west of the driveway for Lake Aberdeen Hatchery.

#### Site Comments:

Stream is tidally influenced. OHW=12m.

#### **EVALUATION LEVEL COMPLETED**

<b>✓</b>	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

LOIL	3 I O I LIVIIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
<b>✓</b>	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCI	RIPTION
,	RIPTION

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	BOX
Material	PCC
Span (m)	2.98
Rise (m)	2.48
Length (m)	9.25
Slope (%)	1.51
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.98
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

No plunge pool or toe measurements due to tidal influences.



**Mason Conservation District** 

Site ID:

PI:

127Y0386

Fish Use:

Yes

Barrier: Unk

## SITE DESCRIPTION **GENERAL LOCATION**

#### Fairway Park Rd Road Name: Grays Harbor County:

NE 1/4 Section: Section: 18 17N Township: 08W

# POSITIONAL DATA

WGS 84, decimal degrees

46.96409 Latitude: -123.72225 Longitude: WA state plane south (NAD 27, feet) 1,195,993 611,169 North:

#### **EVALUATION LEVEL COMPLETED** Papart Laggad

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

Physical Survey

#### WATERBODY

Range:

Stream: unnamed Tributary To: unnamed 22.0252 WRIA: 22.0253 Fish Use: FUP Criteria: Physical

#### **Location / Directions:**

Site Comments:

on RB, DS. OHW>0.60m.

Water crossing is approximately 0.15 miles north of the Central Park Dr/Fairway Park Rd junction.

Private residence with modified agriculture land

#### SF

ECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Grays Harbor Name: County Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

PTION
PTION

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	ARCH
Material	CST
Span (m)	1.90
Rise (m)	1.10
Length (m)	9.14
Slope (%)	-0.91
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	1.05
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

No plunge pool or stream width measurements due to modifications to stream channel.



**Mason Conservation District** 

## Site ID:

PI:

127Y0387

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Alder Brook PI
County:	Grays Harbor
1/4 Section:	SE
Section:	8
Township:	17N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees

**Location / Directions:** 

scour. OHW=1.0m.

46.96984 Latitude: -123.69904 Longitude: WA state plane south (NAD 27, feet) East: 1,201,870 613,028 North:

Water crossing is approximately 40 meters north of the Alder Brook Pl/Karjala Rd junction.

Stream banks are armored in places to reduce

SPECIES POTENTIA	L
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
Steelhead	

#### WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0252
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### Site Comments:

**OWNER** Grays Harbor Name: County Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/12/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
Max Depth (m)		
OHW (m)		
Length (m)		

Toe Width (m)	1.00
Span/Toe Ratio	1.04

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.04
Rise (m)	1.04
Length (m)	15.00
Slope (%)	0.60
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.50
Tidegate	No

#### **Culvert Comments:**

No plunge pool as stream riffles directly out of



#### **Mason Conservation District**

Site ID: 12

PI:

127Y0388

Fish Use: Barrier: No Unk

#### wason conservation distric

#### SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged WGS 84, decimal degrees Road Name: Hagara St Grays Harbor 46.97616 **~** Field Review Latitude: County: Threshold Determination -123.77557 NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 11 WA state plane south (NAD 27, feet) 17N Downstream Check Township: 1,182,876 09W Physical Survey 616,118 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.65 miles Sockeye ✓ Sea Run Cutthroat Tributary To: Chehalis R 22.0190 southeast of the Hagara St/Highway 12 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout **V** Coho Site is tidally influenced with wetlands US/DS of **OWNER** Steelhead Grays Harbor Name: County Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 7/19/2004 Length (m) Survey Type: Glore/Blatt Field Crew: Length (m): OHW (m) Unk Barrier Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m)

#### CULVERT DESCRIPTION

Method

Problem

Repair Status

Sequencer:	1.1
Shape	OTH
Material	OTH
Span (m)	0.70
Rise (m)	0.32
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	
Fill Depth (m)	
Tidegate	

## Culvert Comments:

Toe Width (m)

Span/Toe Ratio

No plunge pool and stream width measurements due to wetland/tidal influences.



#### **Mason Conservation District**

Site ID:

PI:

127Y0389

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

IERAI		

Road Name:	Fairfield St
County:	Grays Harbor
1/4 Section:	NE
Section:	9
Township:	17N
Range:	09W

#### POSITIONAL DATA MCC 04 desimal de

WGS 84, decimal degrees		
Latitude:	46.97844	
Longitude:	-123.80022	
WA state plane south (NAD 27, feet)		
East:	1,176,763	
North:	617,202	

#### **EVALUATION LEVEL COMPLETED**

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

Stream:	Wilson Cr
Tributary To:	Chehalis R 22.0190
WRIA:	22.0236
Fish Use:	Yes
FUP Criteria:	Biolgical

#### Location / Directions:

Water crossing is approximately 10 meters south of the Fairfield St/Summit St junction.

ECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Stoolhood	

#### OWNER

Name:	Aberdeen
Type:	City

#### Site Comments:

Surrounding land use is residential. Stream channel has been ditched and straightened. Single juvenal Coho observed at site.

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.30	
OHW (m)	3.20	
Max Depth (m)	0.35	
CHANNEL DESCRIPTION		

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	8.01
Slope (%)	1.91
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Toe Width (m)	1.40
Span/Toe Ratio	1.16

#### **Culvert Comments:**

Culvert 1.2 is located on LB.



## Mason Conservation District

Site ID:

PI:

127Y0389

Fish Use:

Yes

Barrier:

#### **CULVERT DESCRIPTION**

2.2
RND
CST
0.71
0.71
7.82
0.64
No
0.08
0.03
No
0.75
No

#### **Culvert Comments:**

Culvert 2.2 is located on RB.



**Mason Conservation District** 

Site ID:

PI:

127Y0390

Fish Use:

Yes

Barrier: No

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: Tyler St County: Grays Harbor 1/4 Section: NE Section: 9 Township: 17N Range: 09W

#### POSITIONAL DATA

WGS	84,	decimal	degree
WGS	84,	decimal	degree

	-	
Latitude:	46.97815	
Longitude:	-123.80104	
WA state plane south (NAD 27, feet)		
East:	1,176,554	
North:	617,108	

## EVALUATION LEVEL COMPLETED

		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

Stream:	Wilson Cr
Tributary To:	Chehalis R 22.0190
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biolgical

#### **Location / Directions:**

Site Comments: OHW=2.15m.

Water crossing is approximately 50 meters east of the Tyler St/S. Fleet St junction.

#### SPECIES POTENTIAL

	OI OILIVIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Aberdeen
Гуре:	City

#### **LEVEL A ANALYSIS**

#### SUMMARY INFORMATION

Review Date:	7/19/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.40	

1.29

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	BOX
Material	PCC
Span (m)	1.80
Rise (m)	1.20
Length (m)	49.33
Slope (%)	0.16
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	0.70
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

No plunge pool as stream riffles at DS end of culvert.



#### **Mason Conservation District**

Site ID:

PI:

127Y0391

Fish Use:

Yes

Barrier: Unk

SIT	ΓF	n	F٩	CR	<b>IPT</b>		N
JI.		$\mathbf{\nu}$	ᆫᇰ	$\mathbf{c}$	IF I	ı	ı

# GENERAL LOCATION Road Name: Cowan St County: Grays Harbor 1/4 Section: NE Section: 9 Township: 17N Range: 09W

Wilson Cr

Chehalis R 22.0190

22.0236

Biolgical

#### **POSITIONAL DATA**

WGS 84, decimal degrees

 Latitude:
 46.97894

 Longitude:
 -123.79964

 WA state plane south (NAD 27, feet)

 East:
 1,176,915

617,378

# EVALUATION LEVEL COMPLETED

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination

Downstream Check	
Dhysical Survey	

## Location / Directions:

Water crossing is approximately 50 meters south of the Cowan St/Henry St junction.

## SPECIES POTENTIAL

LCIL	SPOILNIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

FUP (	Criteria:
OWN	FR

Fish Use:

WATERBODY

Tributary To:

Stream:

WRIA:

Name:	Aberdeen
Type:	City

#### Site Comments:

OHW=1.60m.

North:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	1.08

0.67

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
1.20
1.25
14.98
1.91
Yes
0.00
0.00
No
1.50
No

## Culvert Comments:

Span/Toe Ratio

Stream width measurements affected by ditching of channel.



Site ID:

PI:

127Y0392

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Barrier:

Yes Unk

## **Mason Conservation District**

## SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Cowan St
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	17N
Range:	09W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

WGS 84, decimal degrees Latitude: 46.97922 -123.79942 Longitude:

WA state plane south (NAD 27, feet)

1,176,974 617,478 North:

Water crossing is approximately 10 meters south of the Cowan St/Henry St junction.

### SP

PECIES P	OTENTIAL		
Soc	ckeye	<b>~</b>	Sea Run Cutthroa
Pin	ık	<b>~</b>	Resident Trout
Ch	um		Dolly/Bull Trout
Ch	inook		Brook Trout
Co.	ho		Brown Trout

#### WATERBODY

Stream:	Wilson Cr
Tributary To:	Chehalis R 22.0190
WRIA:	22.0236
Fish Use:	Yes
FUP Criteria:	Biolgical

## OWNER

Name:	Aberdeen
Туре:	City

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.08	

0.67

## **POTENTIAL HABITAT GAIN**

Steelhead

Survey Type:	
Length (m):	
Longui (III).	
Spawning (sq m)	
Rearing (sq m)	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.20
Rise (m)	1.20
Length (m)	14.95
Slope (%)	0.94
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	0.50
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Cobble pile at DS end provides control point.



#### **Mason Conservation District**

Site ID:

PI:

127Y0393

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Henry St
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	17N
Range:	09W

#### POSITIONAL DATA

WGS 84, decimal degrees			
Latitude:	46.97942		
Longitude:	-123.79903		
WA state plane south (NAD 27, feet)			
East:	1,177,074		
North:	617,550		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	Wilson Cr
Tributary To:	Chehalis R 22.0190
WRIA:	22.0236
Fish Use:	Yes
FUP Criteria:	Biolgical

#### **Location / Directions:**

Site Comments:

annually.

Water crossing is approximately 20 meters east of the Henry St/Cowan St junction.

Landowner reports adult salmon returning in

small numbers. Stream floods over road

#### **SPECIES POTENTIAL**

FECIE	SPUTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Aberdeen
Type:	City

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/19/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	1.08
Span/Toe Ratio	2 22

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.20
Length (m)	18.83
Slope (%)	0.39
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.17
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

No plunge pool measurements due to riffle at DS end of culvert. US end is beveled.



## **Mason Conservation District**

## Site ID:

PI:

## 127Y0393

## Fish Use:

Yes

Barrier: Yes

#### **CULVERT DESCRIPTION**

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.20
Length (m)	18.47
Slope (%)	1.57
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Culvert 2.2 is located on RB.



#### **Mason Conservation District**

Site ID:

PI:

127Y0394

Fish Use:

Unk

Barrier: Yes

## SITE DESCRIPTION

**GENERAL LOCATION** 

# Road Name: Railroad tracks County: Grays Harbor 1/4 Section: NE Section: 15 Township: 17N

08W

## POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 46.96525

Longitude: -123.66046

WA state plane south (NAD 27, feet)

East: 1,211,425

North: 610,968

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.30 miles west of the driveway for 116 Clemons Rd.

#### SPECIES POTENTIAL

, LOIL	O I O I EN IIAE	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Sierra Pacific
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/28/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Site is influenced by wetlands.

CHANNEL DESCRIPTION	

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.93
Rise (m)	0.93
Length (m)	12.19
Slope (%)	2.54
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	1.75
Tidegate	No

#### **Culvert Comments:**

Stream width and plunge pool measurements not available due to wetland influences.



#### **Mason Conservation District**

Site ID:

PI:

127Y0395

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	4102
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	17N
Range:	09W

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	46.98502
Longitude:	-123.75220
WA state plane south (NAD 27, feet)	
East:	1,188,838
North:	619.102

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
V	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Van Winkle Cr 22.0240
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

#### **Location / Directions:**

Site Comments:

DS of culvert.

Water crossing is approximately 0.90 miles northwest of the 4102/Aberdeen Lake Rd junction.

Site is backwatered by beaver dam 50 meters

#### SPECIES POTENTIAL

PECIE	SPUIENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>✓</b>	Steelhead	

#### OWNER

Name:	Aberdeen
Type:	City

## LEVEL A ANALYSIS

#### **SUMMARY INFORMATION**

Review Date:	10/29/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.80
OHW (m)	3.45
,	
Max Depth (m)	0.90
CHANNEL DESCRIPTION	
Toe Width (m)	2.60

0.47

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.23
Rise (m)	1.23
Length (m)	15.06
Slope (%)	1.02
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.84
Apron	No
Fill Depth (m)	2.00
Tidegate	No

# Culvert Comments:

Span/Toe Ratio

US end of culvert is deformed.



#### **Mason Conservation District**

Site ID:

PI:

127Y0396

Fish Use: Barrier: Yes

Yes

#### SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW
Section:	18
Township:	21N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.30541	
Longitude:	-123.62853	
WA state plane south (NAD 27, feet)		
East:	1,224,311	
North:	734,621	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.40 miles south of the FS 22/600 junction.  $\label{eq:constraint}$ 

Road impounded wetlands US with channel

braiding DS of site. OHW=0.60m.

#### SPECIES POTENTIAL

" LCIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	4/19/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	1.45
Max Depth (m)	0.75
CHANNEL DESCRIPTION	

0.45

1.36

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
13.20
3.64
No
0.21
0.05
No
1.50
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

Plunge pool is excavated.



#### **Mason Conservation District**

Site ID:

PI:

127Y0397

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

<b>GENERAL I</b>	OCATION
------------------	---------

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	SW
Section:	18
Township:	21N
Range:	07W

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30794	
Longitude:	-123.62922	
WA state plane south (NAD 27, feet)		
East:	1,224,177	
North:	735,550	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

culvert. OHW=1.15m.

Water crossing is approximately 0.25 miles south of the FS 22/600 junction.  $\label{eq:constraint}$ 

Small wetlands US with channel braiding DS of

LCIL	SPOILNIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
<b>✓</b>	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

4/19/2005
Glore/Blatt
Yes
67
LA
UD
Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.30	
OHW (m)	2.50	
Max Depth (m)	0.55	
wax Deptil (III)	0.00	
CHANNEL DESCRIPTION		
Toe Width (m)	0.70	

0.87

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	15.78
Slope (%)	1.11
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.75
Tidegate	No

## **Culvert Comments:**

Span/Toe Ratio

Bottom of culvert is rusted out.



#### **Mason Conservation District**

Site ID:

PI:

127Y0398

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

**GENERAL LOCATION** 

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name: Type:

WATERBODY

Tributary To:

FUP Criteria:

Road Name:	FS 22
County:	Grays Harbor
1/4 Section:	NW
Section:	18
Township:	21N

07W

unnamed

Wynoochee R 22.0311

22.0000

Yes

Physical

**US Forest Service** 

WGS 84, decimal degrees Latitude:

**POSITIONAL DATA** 

47.31149 -123.62950 Longitude: WA state plane south (NAD 27, feet)

1,224,159 736,847 North:

# Location / Directions:

Water crossing is approximately 10 meters north of the FS 22/600 junction.

Site Comments:

OHW=1.30m.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>~</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
<b>~</b>	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

Coho

### Steelhead

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	4/19/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	6.10
OHW (m)	2.85
Max Depth (m)	1.00

## CHANNEL DESCRIPTION

Toe Width (m)	1.20
Span/Toe Ratio	0.49

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
PCC
0.59
0.59
18.26
2.39
No
0.00
0.19
No
2.00
No

#### **Culvert Comments:**

Plunge pool is excavated.



#### **Mason Conservation District**

Site ID:

PI:

47.30001 -123.62207 127Y0399

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Barrier:

Yes Yes

# SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	T-600
County:	Grays Harbor
1/4 Section:	NE
Section:	19
Township:	21N
Range:	07W

#### **POSITIONAL DATA**

Longitude:

WGS 84,	decimal degrees
Latitude:	

**Location / Directions:** 

Site Comments: OHW=1.20m.

WA state plane south (NAD 27, feet)

1,225,835 732,590 North:

Water crossing is approximately 0.85 miles south of the T-600/600 junction.  $\label{eq:constraint} % \begin{subarray}{ll} \end{subarray} % \begi$ 

## SP

ECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout

#### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
Yes
Physical

### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	4/19/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.10
OHW (m)	2.30
Max Depth (m)	0.55
CHANNEL DESCRIPTION	

Toe Width (m)	0.70
Span/Toe Ratio	1.06

#### **POTENTIAL HABITAT GAIN**

Steelhead

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.74
0.74
12.51
2.18
No
0.03
0.03
No
2.00
No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:	127Y0400	Fish Use:	No
PI:		Barrier:	

#### SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA	<u>I</u>	EVALU	ATION LEVEL (	COMPLETED
Road Name:	FS 22	WGS 84, decimal degrees			Report Logged	i
County:	Grays Harbor	Latitude:	Latitude: 47.24344		Field Review	
1/4 Section:	SE	Longitude:	-123.61337		Threshold Dete	ermination
Section:	1	WA state plane sout	h (NAD 27, feet)		Expanded Three	eshold Determination
Township:	20N	East:	1,227,178		Downstream C	Check
Range:	08W	North:	711,887		Physical Surve	ey
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is approximately 0.70 miles			Sockeye	Sea Run Cutthroat
Tributary To:	unnamed 22.0298	north of the FS 22/7602-Tie line junction.			Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook	☐ Brook Trout ☐ Brown Trout
OWNER		OHW=0.50m.			Coho Steelhead	Brown frout
Name:	US Forest Service					
Type:	Federal					
LEVEL A ANA	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT	GAIN
Review Date:	4/19/2005	Length (m)		Survey <sup>1</sup>	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DECOR	DTION	Pooring	. ,	

0.50

1.22

#### **CULVERT DESCRIPTION**

Method

Problem

Repair Status

1.1
RND
CST
0.61
0.61
No
0.40
0.03
No
1.00
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Rearing (sq m)

Site ID:

PI:

127Y0401

Fish Use: Barrier:

Yes Yes

## **Mason Conservation District**

## SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7510-I
County:	Grays Harbor
1/4 Section:	NE
Section:	15
Township:	20N
Range:	W80

unnamed

Wynoochee R 22.0311

22.0000

Yes

Physical

#### **POSITIONAL DATA**

WGS 84, decimal degrees Latitude:

47.22451 -123.66162 Longitude:

WA state plane south (NAD 27, feet)

1,214,926 705,464 North:

#### **Location / Directions:**

Water crossing is approximately 0.30 miles northeast of the 7510/7510-I junction.

Site Comments:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

Sock	eye •	<b>/</b>	Sea Run Cutthroat
Pink	•	<b>~</b>	Resident Trout
Chun	n [		Dolly/Bull Trout
Chino	ook		Brook Trout

Chinook

Coho Steelhead Brown Trout

# OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	en Diamond Resource Com
Туре:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

#### PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

Toe Width (m)	
Span/Toe Ratio	

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.42
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

#### **Mason Conservation District**

Site ID:

PI:

127Y0402

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	7400
County:	Grays Harbor
1/4 Section:	NW
Section:	14
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

WGS 84, decimal degrees 47.21996 Latitude: -123.64619 Longitude:

WA state plane south (NAD 27, feet)

East: 1,218,691 703,653 North:

Water crossing is approximately 0.40 miles north of the 7400/7400 B junction.

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
<b>✓</b>	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### WATERBODY

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

### OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	4/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

OHW=0.80m. Substrate is gravel.

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.80	

# Toe Width (m)

0.94

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.75
Length (m)	12.11
Slope (%)	4.68
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0403

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

# GENERAL LOCATION Road Name: FS 22 County: Grays Harbor 1/4 Section: SW Section: 6 Township: 21N

07W

#### **POSITIONAL DATA**

WGS 84,	decimal	degree

Latitude:	47.33103	
Longitude:	-123.62982	
WA state plane south (NAD 27, feet)		
East:	1,224,362	
North:	743 972	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
Γ	Physical Survey

#### WATERBODY

Range:

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 1.0 miles north of the FS 22/0-600 junction.  $\label{eq:constraint}$ 

Substrate is gravel/cobble mix. OHW=2.40m.

#### SPECIES POTENTIAL

PECIE	5 POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.30	
OHW (m)	2.80	
Max Depth (m)	0.75	
CHANNEL DESCRIPTION		
Toe Width (m)	1.80	

0.74

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.33
1.33
45.98
4.08
No
3.20
0.07
No
3.50
No

#### **Culvert Comments:**

Span/Toe Ratio

Culvert is beveled on DS end. Passability is most likely near 0%.



#### **Mason Conservation District**

Site ID:

PI:

759,857

127Y0404

Fish Use:

Yes

Barrier: Unk

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2270.100
County:	Grays Harbor
1/4 Section:	SE
Section:	20
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.37554	
Longitude:	-123.59536	
WA state plane south (NAD 27, feet)		
East:	1,233,538	

# EVALUATION LEVEL COMPLETED Report Logged

L		Report Logged
•	/	Field Review
		Threshold Determination
		Expanded Threshold Determination
		Downstream Check
		Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

North:

Water crossing is approximately 20 meters northeast of the FS 2270.100/2270 junction.

Stream dry at time of sample. OHW=1.60m.

#### SPECIES POTENTIAL

OTENTIAL	
ckeye	Sea Run Cutthroa
nk	Resident Trout
ium	Dolly/Bull Trout
inook	Brook Trout
ho	Brown Trout
eelhead	
	ockeye nk num ninook oho eelhead

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2005
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBRQ
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.70	
OHW (m)	2.40	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	6.01
Slope (%)	0.11
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Toe Width (m)	0.70
Span/Toe Ratio	0.67

#### Culvert Comments:

LBNA, stream dry at time of survey.



**Mason Conservation District** 

Site ID:	127Y0405	Fish Use:	No
PI:		Barrier:	

## SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED	
Road Name:	FS 2270	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.38512	<b>✓</b>	Field Review	
1/4 Section:	NW	Longitude:	-123.59021		Threshold Determination	
Section:	21	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,234,949		Downstream Check	
Range:	07W	North:	763,299		Physical Survey	
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.75 miles		Sockeye Sea Run Cutthroat	
Tributary To:	Wynoochee R 22.0311		/FS 2270.100 junction.		Pink Resident Trout	
WRIA:	22.0000				Chum Dolly/Bull Trout	
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:				
OWNER		OHW>0.60m. No de perennial growth thro	efined stream channel with oughout.		Coho Brown Trout Steelhead	
Name:	US Forest Service					
Type:	Federal					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	5/10/2005	Length (m)		Survey	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)				Rearing		
Method		CHANNEL DESCRI	FIIUN	ixeailig	(34 111)	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

#### **CULVERT DESCRIPTION**

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.67
Rise (m)	0.67
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:

PI:

127Y0406

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	115
County:	Grays Harbor
1/4 Section:	NW
Section:	19
Township:	22N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees			
Latitude: 47.38645			
Longitude:	-123.63114		
WA state plane south (NAD 27, feet)			
East: 1,224,837			
North:	764.184		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### **Location / Directions:**

Site Comments:

flows. OHW=2.05m.

Water crossing is approximately 0.35 miles northwest of the 115/110 junction.

Gravel substrate with intermittent subsurface

#### S

PECIES POTENTIAL			
	Sockeye	✓ Sea Run Cutthroa	
	Pink	✓ Resident Trout	
	Chum	Dolly/Bull Trout	
	Chinook	Brook Trout	
<b>✓</b>	Coho	Brown Trout	
<b>~</b>	Steelhead		

#### OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/10/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	5.20		
OHW (m)	3.50		
Max Depth (m)	0.45		
CHANNEL DESCRIPTION			
Toe Width (m)	1.70		

0.36

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
9.57
3.13
No
0.00
0.02
No
1.00
No

#### **Culvert Comments:**

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0407

Fish Use:

e: Yes

Barrier: No

GENERAL LOCA	TION	POSITIONAL DATA	<b>EVALUATION LEVEL COMPLETED</b>	
Road Name:	2294.100	WGS 84, decimal degrees	Report Logged	
County:	Grays Harbor	Latitude:	✓ Field Review	
1/4 Section:		Longitude:	Threshold Determination	
Section:		WA state plane south (NAD 27, feet)	Expanded Threshold Determination	
Township:		East:	Downstream Check	
Range:		North:	Physical Survey	
WATERBODY		Location / Directions:	SPECIES POTENTIAL	
Stream:		Available maps inadequate to describe	Sockeye Sea Run Cutthroa	
Tributary To:		location. Information lost after site was	Pink Resident Trout	
WRIA:		sampled.	Chum Dolly/Bull Trout	
Fish Use:	Yes		Chinook Brook Trout	
FUP Criteria:	Physical	Site Comments:		
OWNER		Stream dry at time of sample. OHW=0.65m.	Coho Brown Trout  Steelhead	
Name:	US Forest Service			
Гуре:	Federal			

#### **SUMMARY INFORMATION**

Review Date:	5/10/2005
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.60	

1.52

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	8.96
Slope (%)	3.53
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

No plunge pool, riffle at DS end of culvert.

#### **Mason Conservation District**

Site ID:

PI:

127Y0408

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	22N
Range:	08W

#### WATERBODY

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

#### OWNER

Name:	US Forest Service
Type:	Federal

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.39972	
Longitude:	-123.65226	
WA state plane south (NAD 27, feet)		
Fast:	1.219.802	

769,228

#### **Location / Directions:**

North:

Water crossing is approximately 2.15 miles north of the FS 2294/FS 22 junction.

#### Site Comments:

Large catch basin US with culvert set above water level. A 2.5m cascade approximately 15m DS of culvert. OHW=4.0m. Confluence with Big Cr is 30m DS of site.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### S

PECIES	POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/18/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	5.20	
OHW (m)	4.00	
Max Depth (m)	0.80	
CHANNEL DESCRIPTION		

Toe Width (m)	2.50
Span/Toe Ratio	0.38

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.95
Rise (m)	0.95
Length (m)	16.45
Slope (%)	3.50
Bed Material	No
Outfall Drop (m)	2.30
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**



**Mason Conservation District** 

Site ID:

PI:

127Y0409

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review Fish Use:

No

Barrier:

SITE	DES	CRIE	PTION
GENE	RAL L	OCAT	ION

Road Name:	FS 2294
County:	Grays Harbor
1/4 Section:	SW
Section:	36
Township:	23N

08W

#### **POSITIONAL DATA**

**Location / Directions:** 

2294.580 junction.

Site Comments:

of culvert is also a barrier.

WGS 84, decimal degrees		
Latitude:	47.43102	
Longitude:	-123.64824	
WA state plane south (NAD 27, feet)		

East:	1,221,252
North:	780,597

Water crossing is located at the FS 2294/FS

A 6.5m high waterfall directly US of site. Outfall

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### WATERBODY

Range:

Stream:	unnamed
Tributary To:	Big Cr 22.0312
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

## OWNER

Name:	US Forest Service
Type:	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/18/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	3.00
Max Depth (m)	0.65

#### CHANNEL DESCRIPTION

Toe Width (m)	1.80
Span/Toe Ratio	0.45

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.81
0.80
No
7.00
0.05
No
0.50
No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

127Y0410

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	FS 2281
County:	Grays Harbor
1/4 Section:	NW
Section:	14
Township:	22N
Range:	08W

#### POSITIONAL DATA

WGS 84, decimal degrees				
Latitude:	de: 47.40073			
Longitude:	-123.67422			
WA state plane south (NAD 27, feet)				
East:	1,214,382			
North:	769 814			

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

unnamed
WF Big Cr 22.0313
22.0000
Yes
Physical

#### Location / Directions:

Site Comments:

Water crossing is approximately 0.70 miles southwest of the FS 2281/FS 2281.100

High gradient stream. OHW=1.95m.

#### SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	US Forest Service
Type	Federal

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/19/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.90			
OHW (m)	2.70			
Max Depth (m)	0.35			
CHANNEL DESCRIPTION				

1.55

0.80

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.24
Rise (m)	1.24
Length (m)	13.02
Slope (%)	10.20
Bed Material	No
Outfall Drop (m)	1.70
WDIC (m)	0.07
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio



**Mason Conservation District** 

Site ID:

PI:

127Y0411

Fish Use:

No

Barrier:

CIT	re		CC	CR	IDT	101	A
OI I		u	ᆮᇰ	ᅜᅑ	IP I	IUI	N

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED			
Road Name:	FS 2281	WGS 84, decimal degrees		Report Logged			
County:	Grays Harbor	Latitude:	<b>✓</b>				
1/4 Section:	NE	Longitude:	-123.67864		Threshold Determi	ination	
Section:	15	WA state plane sout	h (NAD 27, feet)		Expanded Thresho	old Determination	
Township:	22N	East:	1,213,295		Downstream Chec	ck	
Range:	W80	North:					
WATERBODY		Location / Direction	Location / Directions:		SPECIES POTENTIAL		
Stream:	unnamed	Water crossing is ap	proximately 0.10 miles		Sockeye	Sea Run Cutthroat	
Tributary To:	WF Big Cr 22.0313		FS 2281.100 junction.		Pink		
WRIA:	22.0000				Chum	Resident Trout	
Fish Use:	No				_	Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout	
OWNER		NFB due to high grad	dient US/DS of site.		Coho Steelhead	Brown Trout	
Name:	US Forest Service						
Type:	Federal						

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/19/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.70	

1.11

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.78
Rise (m)	0.78
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	3.50
WDIC (m)	0.05
Apron	No
Fill Depth (m)	2.00
Tidegate	No

#### **Culvert Comments:**

Span/Toe Ratio

Culvert has an extension attached to the DS



#### **Mason Conservation District**

Site ID:

PI:

127Y0412

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	18N
Range:	W80

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
47.04360		
-123.63636		
WA state plane south (NAD 27, feet)		
1,218,575		
639,280		

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

Water crossing is located on the first eastbound spur off the Rayonier 4300 line. Approximately 0.75 miles East of the 4300/private spur junction.

Stream channel is confined with high amounts

#### SPECIES POTENTIAL

PECIES PUTENTIAL		
Sockeye	Sea Run Cutthroa	
Pink	Resident Trout	
Chum	Dolly/Bull Trout	
Chinook	Brook Trout	
<b>✓</b> Coho	Brown Trout	
✓ Steelhea	d	

#### OWNER

Name:	John Bocek
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

of fines in substrate. OHW=1.50m.

Length (m)	3.95	
OHW (m)	2.20	
Max Depth (m)	0.50	
CHANNEL DESCRIPTION		
Toe Width (m)	1.05	

1.20

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
1.24
1.24
18.12
2.90
No
0.48
0.22
No
3.50
No

#### **Culvert Comments:**

Span/Toe Ratio

BF width=2.10m. WW=1.05m. Rd width=16m.



#### **WRIA 22 Fish Passage Inventory** Site ID: 127Y0413 Fish Use: No PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged Private Rd WGS 84, decimal degrees Road Name: Grays Harbor 47.04346 Field Review Latitude: County: Threshold Determination -123.63675 1/4 Section: SE Longitude: **Expanded Threshold Determination** 14 WA state plane south (NAD 27, feet) Section: Downstream Check 18N Township: 1,218,476 08W Physical Survey 639,233 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is located on the first eastbound Sockeye Sea Run Cutthroat

# **LEVEL A ANALYSIS**

Tributary To:

WRIA:

Fish Use:

**OWNER** 

Name:

Type:

FUP Criteria:

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Black Cr 22.0268

22.0000

Physical

John Bocek

Private

#### PLUNGE POOL DESCRIPTION

Site Comments:

pipe. OHW=0.50m.

I LONGE I GOL DE	I LONGE I GOL DEGOMII HOM	
Length (m)	1.60	
OHW (m)	0.60	
Max Depth (m)	0.25	
CHANNEL DESCRIPTION		
T 140 101 ( )	0.45	

spur off the Rayonier 4300 line. Approximately 0.70 miles East of the 4300/private spur

Sporadic flows indicates possible blockage in

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

#### **POTENTIAL HABITAT GAIN**

Pink

Chum

Coho

Chinook

Steelhead

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

Resident Trout

Dolly/Bull Trout

**Brook Trout** 

Brown Trout

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.63
0.63
No
0.44
0.02
No
3.00
No

#### **Mason Conservation District**

Site ID:

PI:

127Y0414

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged

Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Wynoochee-Wishkah Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	32
Township:	19N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

OHW=0.60m.

WGS 84, decimal degrees		
Latitude:	47.08656	
Longitude:	-123.70270	

WA state plane south (NAD 27, feet)

East: 1,202,685 655,603 North:

Water crossing is approximately 0.35 miles north of the Wynoochee-Wishkah Rd/Old Wynoochee Rd junction.

#### SP

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
<b>~</b>	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

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

#### Site Comments:

#### OWNER

Name:	Grays Harbor
Type:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

#### PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	1.25
Max Depth (m)	0.45
CHANNEL DESCRIPTION	

CHANNEL	DESCRIP	HON

Toe Width (m)	0.60
Span/Toe Ratio	0.55

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.33
Rise (m)	0.33
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.29
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### **Culvert Comments:**

Culvert is recessed on US end, not able to complete level A survey.



22.0000

Physical

Grays Harbor

County

**Mason Conservation District** 

Site ID:

PI:

127Y0415

Fish Use:

No

Barrier:

SIT			

GENERAL LOCA	ATION	POSITIONAL DATA	<b>\</b>	<b>EVALUATION LEVEL COMPLETED</b>
Road Name:	Wynoochee-Wishkah Rd	WGS 84, decimal de	egrees	Report Logged
County:	Grays Harbor	Latitude:	47.08760	✓ Field Review
1/4 Section:	NE	Longitude:	-123.70283	Threshold Determination
Section:	32	WA state plane sout	th (NAD 27, feet)	Expanded Threshold Determ
Township:	19N	East:	1,202,668	Downstream Check
Range:	W80	North:	655,983	Physical Survey
WATERBODY		Location / Direction	ns:	SPECIES POTENTIAL
Stream:	unnamed	Water crossing is an	proximately 0.45 miles	Sockeye Sea Ru
Tributary To:	Wynoochee R 22.0311		hee-Wishkah Rd/Old	Sockeye Sea Nu

north of the Wynoochee-Wishkah Rd/Old Wynoochee Rd junction.

Site	^-	 	١.,

OHW=0.45m.

## ES POTENTIAL

**Expanded Threshold Determination** 

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

## **LEVEL A ANALYSIS**

WRIA:

Fish Use: FUP Criteria:

OWNER

Name:

Type:

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	0.70
OHW (m)	0.50
Max Depth (m)	0.20

#### CHANNEL DESCRIPTION

Toe Width (m)	0.35
Span/Toe Ratio	1.34

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.71
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

656,717

127Y0416

EVALUATION LEVEL COMPLETED

Report Logged

Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

No

Barrier:

CITE	DESCRIPTION	ı
ᄓ	DESCINIT HON	1

**GENERAL LOCATION** 

Road Name:	Wynoochee-Wishkah Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	32
Township:	19N
Range:	W80

unnamed

Wynoochee R 22.0311

22.0000

Physical

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	47.08958
Longitude:	-123.70404
WA state plane south (NAD 27, feet)	
East:	1,202,396

## Location / Directions:

Site Comments:

OHW=0.50m.

North:

Water crossing is approximately 0.60 miles north of the Wynoochee-Wishkah Rd/Old Wynoochee Rd junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolboad	

#### OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	Grays Harbor
Гуре:	County

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		

0.40

0.93

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.37
Rise (m)	0.37
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.70
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.25
Tidegate	No

#### **Culvert Comments:**

Toe Width (m)



**Mason Conservation District** 

Site ID:

PI:

127Y0417

**EVALUATION LEVEL COMPLETED** Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Wey Co 600
County:	Grays Harbor
1/4 Section:	NE
Section:	21
Township:	19N
Range:	08W

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments: OHW=1.50m.

WGS 84, decimal de	egrees
Latitude:	47.11985
l ongitude:	-123.68130

WA state plane south (NAD 27, feet)

1,208,499 667,519 North:

Water crossing is approximately 1.0 miles east

of the Wey Co 600/Upper Donovan junction.

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
<b>~</b>	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Steelhead	

#### WATERBODY

Stream:	unnamed
Tributary To:	Helm Cr 22.0288
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical
VRIA: Fish Use:	22.0000 Yes

## OWNER

Name:	Weyerhaeuser Company		
Type:	Private		

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.20
OHW (m)	2.40
Max Depth (m)	0.35

#### CHANNEL DESCRIPTION

Toe Width (m)	0.80			
Span/Toe Ratio	1.55			

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.24
Rise (m)	1.24
Length (m)	12.04
Slope (%)	2.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0418

Fish Use:

Barrier:

No

SITE	DESCRIP	MOIT
ᇄ	DEGGINII	11011

GENERAL LOCATION				
Road Name:	unknown			
County:	Grays Harbor			
1/4 Section:	NW			
Section:	22			
Township:	19N			
Range:	W80			

#### POSITIONAL DATA

WGS 84, decimal degrees				
Latitude: 47.11975				
Longitude:	-123.67046			
WA state plane south (NAD 27, feet)				
East:	1,211,194			
North: 667,371				

## **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### Location / Directions:

Site Comments:

Available	mans	inadequate	to	describe	location
/ wanabic	maps	maacquatc	w	describe	location

Stream dry at time of sample. OHW=0.50m.

#### SPECIES POTENTIAL

L	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	Weyerhaeuser Company
Type:	Private

#### **LEVEL A ANALYSIS**

#### PLUNGE POOL DESCRIPTION

Length (m)	1.50	
OHW (m)	1.50	
Max Depth (m)	0.25	

#### **POTENTIAL HABITAT GAIN**

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

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	1.50	
OHW (m)	1.50	
Max Depth (m)	0.25	
CHANNEL DESCRIPTION		

0.35

1.34

## **CULVERT DESCRIPTION**

1.1		
RND		
CST		
0.47		
0.47		
No		
0.42		
0.00		
No		
1.00		
No		

#### **Culvert Comments:**

Toe Width (m)



#### **Mason Conservation District**

Site ID:

PI:

-123.60958

127Y0419

**EVALUATION LEVEL COMPLETED** Report Logged

Threshold Determination

Downstream Check Physical Survey

**Expanded Threshold Determination** 

Field Review

Fish Use:

Yes

Barrier: Yes

## SITE DESCRIPTION

GENERA	L LOCATI	ON

Road Name:	7060
County:	Grays Harbor
1/4 Section:	SE
Section:	24
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments:

gravel. OHW=1.20m.

Longitude:

WGS 84, decimal de	egrees
Latitude:	47.19753

WA state plane south (NAD 27 feet)

WA State plane South (NAD 27, leet)	
East:	1,227,459
North:	695,118

Water crossing is approximately 0.60 miles

Substrate contains high amounts of small

west of the 7060/FS 22 junction.

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
<b>~</b>	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

#### WATERBODY

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

## OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/24/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.40	
OHW (m)	3.30	
Max Depth (m)	0.75	
CHANNEL DESCRIPTION		

Toe Width (m)	1.15
Span/Toe Ratio	0.41

#### **POTENTIAL HABITAT GAIN**

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	
• ,	

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.47
Rise (m)	0.47
Length (m)	17.92
Slope (%)	5.60
Bed Material	No
Outfall Drop (m)	2.60
WDIC (m)	0.05
Apron	No
Fill Depth (m)	3.50
Tidegate	No

#### **Culvert Comments:**

US end of culvert is plugged with debris.



**Mason Conservation District** 

Site ID:

PI:

1,226,788

700,890

127Y0420

Fish Use:

No

Barrier:

SIT	ΓF	n	F٩	CR	<b>IPT</b>		N
JI.		$\mathbf{\nu}$	ᆫᇰ	$\mathbf{c}$	IF I	ı	ı

**GENERAL LOCATION** 

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	7145 D
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	20N
Range:	W80

unnamed

Schafer Cr 22.0294

22.0000

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees			
Latitude: 47.21327			
Longitude:	-123.61319		
WA state plane south (NAD 27, feet)			

# North: Location / Directions:

East:

Water crossing is approximately 0.50 miles west of the 7145 D/7145 junction.

#### Site Comments:

Stream is seasonal with no water present at time of sample. OHW=1.10m. NPB 20 meters DS of site.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### **SPECIES POTENTIAL**

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	1.80
Max Depth (m)	0.40

#### CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.43

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

127Y0421

Fish Use:

No

Barrier:

SITE DESCRIPTION	١
GENERAL LOCATION	

# Road Name: 7145 D County: Grays Harbor 1/4 Section: SE Section: 13 Township: 20N

08W

## WATERBODY

Range:

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

#### OWNER

Name:	en Diamond Resource Comp	
Type:	Private	

#### **POSITIONAL DATA**

WGS 84	, decimal	degrees
--------	-----------	---------

Latitude:	47.21287	
Longitude:	-123.61355	
WA state plane south (NAD 27, feet)		
East:	1,226,693	
North:	700,747	

#### **Location / Directions:**

Water crossing is approximately 0.55 miles west of the 7145/7145 D junction.

#### Site Comments:

NPB 5.5m high approximately 30 meters DS of site. OHW=1.50m.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

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

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	3.50
OHW (m)	2.30
Max Depth (m)	0.70

## CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.56

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.79
Rise (m)	0.79
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.05
Apron	No
Fill Depth (m)	2.00
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

47.20713

127Y0422

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

GENERAL LOCATION
------------------

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

Road Name:	7148
County:	Grays Harbor
1/4 Section:	NE
Section:	24
Township:	20N
Range:	W80

unnamed

Schafer Cr 22.0294

22.0000

Yes

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees
Latitude:

Longitude: -123.61381

WA state plane south (NAD 27, feet)

East: 1,226,544

North: 698,658

#### Location / Directions:

Water crossing is approximately 50 meters southeast of the 7148/7140 junction.

#### Site Comments:

Abundance of gravel in stream channel.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>V</b>	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

#### SPECIES POTENTIAL

Sockeye	
Pink	

✓ Resident Trout

✓ Sea Run Cutthroat

Chum

Dolly/Bull Trout
Brook Trout

✓ Chinook ✓ Coho

Coho Steelhead

Brown Trout

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	2.60
OHW (m)	2.10
Max Depth (m)	0.55

#### CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	0.68

#### **POTENTIAL HABITAT GAIN**

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

## **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	12.28
Slope (%)	5.30
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.00
Tidegate	No



#### **Mason Conservation District**

Site ID:

PI:

127Y0423

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7400
County:	Grays Harbor
1/4 Section:	NW
Section:	18
Township:	20N
Range:	07W

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	47.22193
Longitude:	-123.60733
WA state plane south (NAD 27, feet)	
East:	1,228,368
North:	703,988

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

OHW=0.80m.

Water crossing is approximately 20 meters east of the 7400/7406 junction.

Culvert appears to be recently replaced.

#### SPECIES POTENTIAL

. 20.20 . 0 . 2	
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
<b>✓</b> Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
✓ Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.60
OHW (m)	2.10
Max Depth (m)	0.60
CHANNEL DESCRIPTION	
Toe Width (m)	0.60

1.32

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.79
Rise (m)	0.79
Length (m)	11.85
Slope (%)	2.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	0.50
Tidegate	No

## Culvert Comments:

Span/Toe Ratio

Plunge pool appears to be excavated.



#### **Mason Conservation District**

Site ID:

PI:

127Y0424

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

Township:

WATERBODY

Tributary To:

FUP Criteria:

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

GENERAL LOCATION		
Road Name:	7310	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	12	

20N 08W

unnamed

Schafer Cr 22.0294

22.0000

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees

Latitude: 47.22888 -123.61611 Longitude: WA state plane south (NAD 27, feet) 1,226,288

706,607

#### **Location / Directions:**

Water crossing is approximately 0.20 miles northeast of the 7310/7400 junction.

#### Site Comments:

OHW=2.40m.

North:

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### S

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
<b>✓</b> Chinook	Brook Trout
<b>✓</b> Coho	Brown Trout
✓ Steelhead	

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/25/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	Slope

#### PLUNGE POOL DESCRIPTION

Length (m)	4.50
OHW (m)	3.40
Max Depth (m)	0.55

#### CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	0.33

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.49
Length (m)	7.24
Slope (%)	2.67
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.00
Tidegate	No

#### **Culvert Comments:**

DS channel is excavated for approximately 20



**Mason Conservation District** 

Site ID:

PI:

127Y0425

**EVALUATION LEVEL COMPLETED** 

Threshold Determination

Downstream Check

Physical Survey

**Expanded Threshold Determination** 

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

Road Name:	7406
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	W80

#### **POSITIONAL DATA**

**Location / Directions:** 

Site Comments: OHW=1.30m.

WGS 84, decimal degrees		
Latitude:	47.20779	
Longitude:	-123.63442	

WA state plane south (NAD 27, feet)

East: 1,221,437 699,101 North:

## SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
<b>~</b>	Chinook	Brook Trout
<b>~</b>	Coho	Brown Trout
	Stoolhood	

#### WATERBODY

unnamed
Wynoochee R 22.0311
22.0000
Yes
Physical

## OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	4/30/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop, slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.10	
OHW (m)	2.00	
Max Depth (m)	0.70	
CHANNEL DESCRIPTION		

Toe Width (m)	0.95
Span/Toe Ratio	0.98

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	15.91
Slope (%)	3.16
Bed Material	No
Outfall Drop (m)	2.25
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No



**Mason Conservation District** 

Site ID:

PI:

47.18346

-123.64189

127Y0426

Fish Use:

No

Barrier:

SIT	ΓF	n	F٩	CR	<b>IPT</b>		N
JI.		$\mathbf{\nu}$	ᆫᇰ	$\mathbf{c}$	IF I	ı	ı

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION		
Road Name:	7517	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	26	
Township:	20N	
Range:	W80	

unnamed

Wynoochee R 22.0311

22.0000

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

Longitude:

WGS 84, decimal degrees Latitude:

WA state plane south (NAD 27, feet)

1,219,228 690,308 North:

#### **Location / Directions:**

Water crossing is approximately 0.40 miles north of the 7517/7517-Z junction.

#### Site Comments:

OHW=0.50m.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review

Threshold Determination

**Expanded Threshold Determination** 

Downstream Check Physical Survey

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	5/31/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	0.90	
OHW (m)	0.55	
Max Depth (m)	0.10	
CHANNEL DESCRIPTION		

Toe Width (m)	0.35
Span/Toe Ratio	1.74

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No



**Mason Conservation District** 

Site ID: 127Y0427

PI:

Fish Use:

No

Barrier:

#### POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged Road Name: 7517-Z WGS 84, decimal degrees Grays Harbor 47.16472 Field Review County: Latitude: Threshold Determination -123.64622 NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 2 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,217,880 08W Physical Survey Range: 683,521 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.25 miles east Sockeye Sea Run Cutthroat Tributary To: Wynoochee R 22.0311 of the 7517-Z/7510 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho No defined stream channel, completely OWNER vegetated. Large wetland US of site. Steelhead OHW>0.60m. en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

SUMMARY INFORM	MATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	5/31/2005	Length (m)	Survey Type:
Field Crew:	Glore/Blatt	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			
Repair Status		Toe Width (m)	
Problem		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:**

Culvert is set above OHW acting as overflow. No measurable plunge pool.



#### **Mason Conservation District**

Site ID:

PI:

127Y0428

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	7407
County:	Grays Harbor
1/4 Section:	NW
Section:	23
Township:	20N
Range:	08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.20762	
Longitude:	-123.64234	
WA state plane south (NAD 27, feet)		
East:	1,219,467	
North:	699,118	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments:

OHW=0.80m.

Water crossing is approximately 75 meters southeast of the 7405/7407 junction.

Small stream system with US spring as source.

#### SPECIES POTENTIAL

PECIE	5 POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### OWNER

Name:	en Diamond Resource Com
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.80	
OHW (m)	1.60	
Max Depth (m)	0.15	
CHANNEL DESCRIPTION		

0.60

0.76

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.61
Rise (m)	0.61
Length (m)	17.89
Slope (%)	7.90
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

#### Culvert Comments:

Toe Width (m)



**Mason Conservation District** 

Site ID:

PI:

127Y0429

Fish Use:

No

Barrier:

SITE	DESCR	IPTI	10
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GENERAL LOCATION		
Road Name:	7407	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	23	
Township:	20N	
_	0014/	

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.20689	
Longitude:	-123.64211	
WA state plane south (NAD 27, feet)		
East:	1,219,514	
North:	698,849	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW=0.35m.

Water crossing is approximately 0.10 miles southeast of the 7405/7407 junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	0.70
Max Depth (m)	0.15
CHANNEL DESCRIPTION	
Toe Width (m)	0.35

1.34

#### POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No

#### **Culvert Comments:**



#### **Mason Conservation District**

Site ID:

PI:

698,525

127Y0430

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

## **GENERAL LOCATION**

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	7407
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	20N
Range:	W80

unnamed

Wynoochee R 22.0311

22.0000

Yes

Physical

en Diamond Resource Comp

Private

#### **POSITIONAL DATA**

WGS 84, decimal degrees	
Latitude:	47.20606
Longitude:	-123.63994
WA state plane south (NAD 27, feet)	
East:	1,220,041

## North: **Location / Directions:**

Water crossing is approximately 0.30 miles southeast of the 7405/7407 junction.

#### Site Comments:

High spring influence US of culvert. OHW=1.10m.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
<b>~</b>	Steelhead	

## **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	1.60
OHW (m)	1.40
Max Depth (m)	0.20
CHANNEL DESCRIPTION	

0.70

0.87

# POTENTIAL HABITAT GAIN

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
17.90
10.20
No
0.35
0.04
No
2.50
No

#### **Culvert Comments:**

Toe Width (m)



#### **Mason Conservation District**

Site ID:

PI:

127Y0431

Fish Use:

Barrier:

Yes

Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION** 7407 Road Name:

Grays Harbor County: NE 1/4 Section: Section: 23 20N Township: 08W

#### **POSITIONAL DATA**

WGS 84, decimal degrees

47.20367 Latitude: -123.63777 Longitude: WA state plane south (NAD 27, feet) 1,220,545 697,633 North:

# **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

Range:

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

#### **Location / Directions:**

Site Comments:

Water crossing is approximately 0.50 miles southeast of the 7407/7405 junction.

DS channel has some braiding. OHW=1.20m.

PECIES POTENTIAL		
Socke	eye 🖣	Sea Run Cutthroat
Pink	•	✓ Resident Trout
Chum		Dolly/Bull Trout
Chino	ok	Brook Trout
<b>✓</b> Coho		Brown Trout
Stooll	nond	

#### OWNER

en Diamond Resource Comp Name: Private Type:

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop; slope

#### PLUNGE POOL DESCRIPTION

Length (m)	3.40	
0 ( )		
OHW (m)	3.10	
Max Depth (m)	0.35	
<u> </u>		
CHANNEL DESCRIPTION		

0.80

0.76

POTENTIAL HABITAT G	AIN
Survey Type:	

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

#### **CULVERT DESCRIPTION**

1.1
RND
CST
0.61
0.61
21.12
6.50
No
0.00
0.04
No
3.50
No

#### **Culvert Comments:**

Toe Width (m)

Span/Toe Ratio

DS end of culvert is deformed.



**Mason Conservation District** 

Site ID:

PI:

127Y0432

Fish Use:

: No

Barrier:

SITE	DESCR	IPTI	10
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GENERAL LOCATION		
Road Name:	7407	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	23	
Township:	20N	
Range:	W80	

#### **POSITIONAL DATA**

WGS 84, decimal degrees		
Latitude:	47.20382	
Longitude:	-123.63593	
WA state plane south (NAD 27, feet)		
East:	1,221,004	
North:	697,669	

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### WATERBODY

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

#### **Location / Directions:**

Site Comments: OHW=0.30m.

Water crossing is approximately 0.60 miles southeast of the 7405/7407 junction.

#### SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolhood	

#### OWNER

Name:	en Diamond Resource Comp
Type:	Private

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	6/2/2005
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

#### PLUNGE POOL DESCRIPTION

Length (m)	1.00	
OHW (m)	0.65	
Max Depth (m)	0.15	
CHANNEL DESCRIPTION		

0.25

1.80

#### POTENTIAL HABITAT GAIN

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

## CULVERT DESCRIPTION

OULVERT BEOOKII TION		
1.1		
RND		
CST		
0.45		
0.45		
No		
0.10		
0.01		
No		
1.50		
No		

#### **Culvert Comments:**

Toe Width (m)



#### **Mason Conservation District**

Site ID:

PI:

127Y0433

Fish Use:

Yes

Barrier: Yes

#### SITE DESCRIPTION

#### **GENERAL LOCATION**

Road Name:	Private logging road
County:	Grays Harbor
1/4 Section:	SW
Section:	3
Township:	17N
Range:	09W

# WATERBODY

Stream:	Wilson Creek
Tributary To:	Chehalis 22.0190
WRIA:	22.0236
Fish Use:	Yes
FUP Criteria:	Biolgical

#### OWNER

Name:	William and Ellen Pickel
Type:	Private

#### POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.98565	
Longitude:	-123.79226	
WA state plane south (NAD 27, feet)		
Fact:	1 178 876	

619,803

#### **Location / Directions:**

North:

Private logging road is located approximately 0.2 miles N of Pioneer Avenue and Fairfield Street junction, in very sharp corner on E side of Fairfield Street behind green gate. Water

#### Site Comments:

Landuse surrounding site is forestry. Juvenile fish observed downstream of culvert, unable to identify species.

#### **EVALUATION LEVEL COMPLETED**

	Report Logged
<b>✓</b>	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

#### SPECIES POTENTIAL

PECIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
<b>✓</b>	Coho	Brown Trout
	Steelhead	

#### **LEVEL A ANALYSIS**

#### **SUMMARY INFORMATION**

Review Date:	7/23/2007
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope; outfall drop

#### PLUNGE POOL DESCRIPTION

Length (m)	10.50	
OHW (m)	6.50	
Max Depth (m)	0.60	
CHANNEL DESCRIPTION		

#### CHANNEL DESCRIPTION

Toe Width (m)	1.90
Span/Toe Ratio	1.47

#### **POTENTIAL HABITAT GAIN**

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

#### **CULVERT DESCRIPTION**

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.40
Rise (m)	1.40
Length (m)	21.76
Slope (%)	-1.80
Bed Material	No
Outfall Drop (m)	0.25
WDIC (m)	0.07
Apron	No
Fill Depth (m)	3.50
Tidegate	No

#### **Culvert Comments:**

Pipe 1.2 is on left bank. Culvert is sloped inversely and rusted out at outlet. Mouth of culvert plugged with sediment and debris, only half of mouth is visible. Majority of water passes through pipe 1.2.



## **Mason Conservation District**

## Site ID:

PI:

#### 127Y0433

## Fish Use:

Yes

Barrier: Yes

#### **CULVERT DESCRIPTION**

2.2
RND
CST
1.40
1.40
21.08
-3.90
No
0.26
0.07
No
3.50
No

#### **Culvert Comments:**

Pipe 2.2 is on right bank. Culvert is sloped inversely and rusted out at outlet. Mouth of cuvlert is submerged and almost completely clogged with sediment and debris.

