Satsop Drainage - Barrier Inventory Results

Total sites inventoried = 455

Fish use of 455 inventoried sites

Yes, fish bearing = 235 No, non fish bearing = 211 Unable to determine fish use status = 9

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

Yes, a barrier = 161
No, not a barrier = 39
Unable to determine barrier status = 44

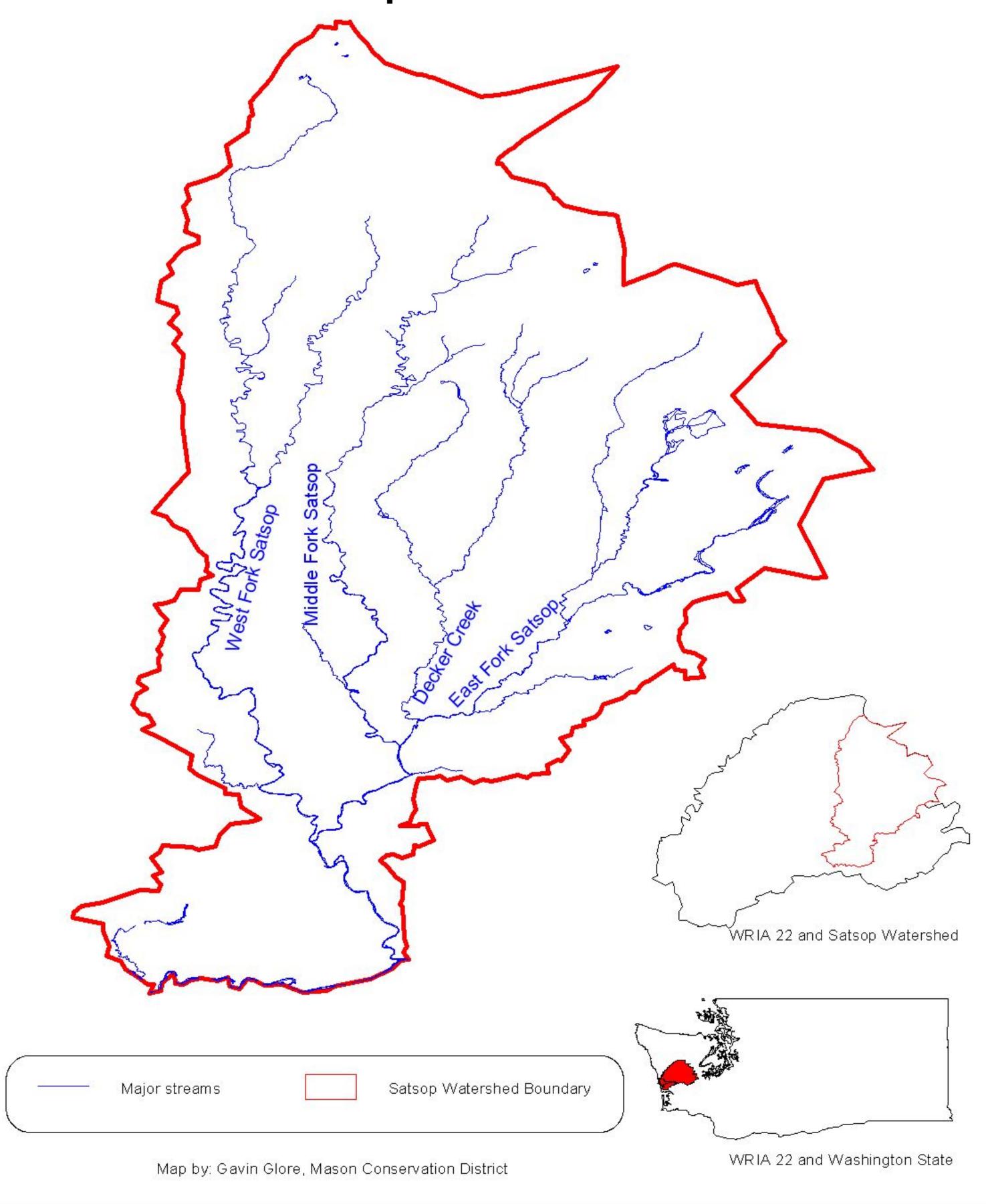
Percent passable of 161 Barrier Sites

0% passable, total barrier = 9 33% passable, severe barrier = 93 67% passable, partial barrier = 59

Ownership of 161 Fish Bearing, Barrier Sites

Private = 10
Municipal = 17
County = 27
State = 0
Federal = 27
Timber Companies = 80

Satsop Watershed



Mason Conservation District

Site ID:

PI:

127S0001

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

		NOITA

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

WATERBODY

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

OWNER

Name:	en Diamond Resource Con
Type:	Private

POSITIONAL DATA

WGS 84,	decimal	degrees

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

Location / Directions:

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

Site Comments:

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

LOILOI	/ LINIIAL	
Soc	keye	Sea Run Cutthroat
Pinl	< _	✓ Resident Trout
Chu	ım [Dolly/Bull Trout
Chi	nook	Brook Trout
✓ Coh	10	Brown Trout
Stee	alhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.55
Span/Toe Ratio	0.81

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	9.07
Slope (%)	5.07
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.50
Tidegate	No



Mason Conservation District

Site ID:

PI:

688,228

127S0002

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GEN	ERAL	LOCA	TION

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

POSITIONAL DATA

Location / Directions:

North:

junction.

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

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

Small stream appears to have large seasonal

variation in flows. OHW = 1.4 meters.

s

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

WATERBODY

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

Site Comments:

OWNER

Name:	en Diamond Resource Comp
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.05
Span/Toe Ratio	0.56

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID:

PI:

127S0003

Fish Use: Barrier: Yes

Yes

SITE DESCRIPTION

GENERAL LOCATION Road Name: 6900 County: Grays Harbor 1/4 Section: SW Section: 27 Township: 20N

07W

POSITIONAL DATA

WGS	84.	decimal	degree
*****	υт,	accimiai	acgicc

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

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

Location / Directions:

Site Comments:

1.20 meters.

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

Juvenile coho observed in plunge pool. OHW =

SPECIES POTENTIAL

, LCILO	OTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
F	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
V	Coho	Brown Trout
	Steelhead	

OWNER

Name:	en Diamond Resource Com			
Type:	Private			

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

0.95

1.26

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.2
RND
CST
0.60
0.60
11.42
-1.11
No
0.00
0.34
No
2.50
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

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



Mason Conservation District

Site ID:

PI:

127S0003

Fish Use:

Barrier:

Jse: Yes

Yes

CULVERT DESCRIPTION

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

Culvert Comments:

Culvert 2.2 is located on right bank.

Downstream end of pipe is corrugated aluminum



Mason Conservation District

Site ID:

PI:

127S0004

Spawning (sq m)

Rearing (sq m)

Fish Use:

No

Barrier:

SITE			

GENERAL LOCA	ATION	POSITIONAL DATA	A	EVALU	ATION LEVEL	COMPLETED
Road Name:	6970	WGS 84, decimal de	egrees		Report Logge	d
County:	Grays Harbor	Latitude:	47.18933	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.55015		Threshold Det	termination
Section:	27	WA state plane sou	th (NAD 27, feet)		Expanded Thr	reshold Determination
Township:	20N	East:	1,242,105		Downstream (Check
Range:	07W	North:	691,550		Physical Surve	ey
WATERBODY		Location / Direction	ns:	enecu	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	oproximately 0.30 miles	SPECIE	Sockeye	Sea Run Cutthroat
Tributary To:	Singer Cr 22.0375		70/6900 line junction.		Pink	
WRIA:	22.0000					Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		OHW < 0.60 meters	3.		Coho Steelhead	Brown Trout
Name:	en Diamond Resource Comp				O.OOoaa	
Type:	Private					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT	GAIN
Review Date:	6/16/2003	Length (m)		Survey	Туре:	
Field Crew:	Glore/Blatt	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	CST	
Span (m)	0.62	
Rise (m)	0.60	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.52	
WDIC (m)	0.02	
Apron	No	
Fill Depth (m)	2.00	
Tidegate	No	

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Mason Conservation District

Site ID:

PI:

127S0005

EVALUATION LEVEL COMPLETED Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	6973	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	27	
Township:	20N	

07W

POSITIONAL DATA

Location / Directions:

Site Comments:

WGS 84, decimal degrees		
Latitude:	47.19396	
Longitude:	-123.54972	
WA state plane south (NAD 27, feet)		

1,242,277 693,235 North:

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

Large beaver dam/wetland upstream.

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:	Singer Cr 22.0375
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.52
Span/Toe Ratio	1.42

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Culvert is sloped inversely.



Mason Conservation District

Site ID:

PI:

127S0006

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

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

POSITIONAL DATA

Location / Directions:

Site Comments:

WGS 84, decimal degrees 47.19362 Latitude: -123.54673 Longitude:

WA state plane south (NAD 27, feet)

1,243,015 693,081 North:

Water crossing is approximately 0.20 miles

southeast of the 6973/6970 junction.

SP

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

WATERBODY

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

OWNER

en Diamond Resource Comp Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.51
Span/Toe Ratio	1.16

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID: 127\$0007 Fish Use: No PI: Barrier:

CITE	CCD	IDT	

OILE DECON					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	6973	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.19302	✓	Field Review
1/4 Section:	NW	Longitude:	-123.54607		Threshold Determination
Section:	27	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	20N	East:	1,243,171		Downstream Check
Range:	07W	North:	692,858		Physical Survey
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 0.25 miles		Sockeye Sea Run Cutthroat
Tributary To:	Singer Cr 22.0375	southeast of the 697			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No	014 0			Chinook Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout
OWNER		OHW < 0.60 meters			Steelhead
Name:	en Diamond Resource Comp				
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	DRMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	6/16/2003	Length (m)		Survey	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length ((m):
Barrier		Max Depth (m)		Spawnir	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)	0.42
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.08
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.25
Tidegate	No



Mason Conservation District

Site ID:

PI:

694,480

127S0008

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 6975 Road Name: County: Grays Harbor NW1/4 Section: 27 Section: 20N Township: 07W Range:

POSITIONAL DATA

Location / Directions:

of the 6975/6970 junction.

Site Comments:

North:

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

Water crossing is approximately 40 meters east

Beaver pond upstream of site. OHW = 0.60

S

PECIES	POTENTIAL		
	Sockeye	~	Sea Run Cutthroat
	Pink	~	Resident Trout
	Chum		Dolly/Bull Trout
	Chinook		Brook Trout
✓	Coho		Brown Trout
	Staalhaad		

WATERBODY

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.53	

1.13

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.60
Rise (m)	0.59
Length (m)	12.54
Slope (%)	4.73
Bed Material	No
Outfall Drop (m)	0.08
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Culvert recently replaced.



Mason Conservation District

Site ID: 127S0009 Fish Use: No PI: Barrier:

SITE DESCRIPTION

	-					
GENERAL LOC	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED	
Road Name:	6980	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.19142	✓	Field Review	
1/4 Section:	NE	Longitude:	-123.55605		Threshold Determination	
Section:	28	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination	
Township:	20N	East:	1,240,669		Downstream Check	
Range:	07W	North:	692,371		Physical Survey	
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.60 miles	SPECIE	Sockeye Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364	northwest of the 6980				
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OWNER		OHW < 0.60 meters.			Coho Brown Trout Steelhead	
Name:	en Diamond Resource Comp					
Туре:	Private					
	IAL VOIO					
LEVEL A AN				DOTEN	ITIAL HARITAT GAIN	
SUMMARY INFO	_	PLUNGE POOL DES	SCRIPTION	POTEN	ITIAL HABITAT GAIN	
Review Date:	6/16/2003	Length (m)		Survey	Type:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRI	PTION	⊸ . Rearing	ı (sa m)	
Method			FIION		, (04)	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

CULVERT DESCRIPTION

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)	0.16
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.80
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0010

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION		
Road Name:	6980	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	28	
Township:	20N	

07W

unnamed

WF Satsop 22.0364

22.0000

Yes

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.19454

 Longitude:
 -123.55912

 WA state plane south (NAD 27, feet)

East: 1,239,950

North: 693,535

Location / Directions:

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

Site Comments:

Substrate is clay hardpan downstream of site.

SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
\checkmark	Chum	Dolly/Bull Trout
~	Chinook	Brook Trout
V	Coho	Brown Trout

✓ Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	2.70
Span/Toe Ratio	0.37

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.01
Rise (m)	1.05
Length (m)	9.48
Slope (%)	2.00
Bed Material	No
Outfall Drop (m)	0.03
WDIC (m)	0.05
Apron	No
Fill Depth (m)	2.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0011

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.19615	
Longitude:	-123.55979	
WA state plane south (NAD 27, feet)		
East:	1,239,807	
NI	60/ 128	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

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

SPECIES POTENTIAL

ECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
~	Chum	Dolly/Bull Trout
\checkmark	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

Name:	en Diamond Resource Com
Type:	Private

Site Comments:

Large beaver dam/wetlands upstream of site. OHW = 2.05 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	3.00	
OHW (m)	1.60	
OHW (III)	1.00	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		
Toe Width (m)	1.95	

1.02

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Span/Toe Ratio

Culvert 1.3 is located on left bank.



Mason Conservation District

Site ID:

PI:

127S0011

Fish Use:

Yes

Barrier: Yes

CULVERT DESCRIPTION

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

Culvert Comments:

Culvert 2.3 is located in the center.



CULVERT DESCRIPTION

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

Culvert Comments:

Culvert 3.3 is located on right bank.



Mason Conservation District

Site ID:

PI:

127S0012

Fish Use:

Yes

Barrier: Unk

	TE					
o.	1 =	$\boldsymbol{\omega}$	 -	IP 1	10	ıv

GENERAL LOCATION

Road Name:	Railroad grade
County:	Grays Harbor
1/4 Section:	NW
Section:	8

Township: 17N
Range: 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Chehalis R 22.0190

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

OWNER

Name: Sierra Pacific

Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.97913

 Longitude:
 -123.59333

 WA state plane south (NAD 27, feet)

 East:
 1,228,371

North: 615,363

Location / Directions:

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

Site Comments:

10 meters downstream of 127Y0027, beneath railroad grade.

EVALUATION LEVEL COMPLETED

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIAL

	Sockeye	
\neg	D: 1	

Chum

Chinook

Coho

✓ Steelhead

_			
/	Sea	Run	Cutthroat

Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.84
Span/Toe Ratio	1.01

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0013

Fish Use:

No

Barrier:

SITE	DES	SCR	IPT	ION
GENE	RALI	LOCA	TION	N

Road Name: 7064 County: Grays Harbor 1/4 Section: NW Section: 20

 Township:
 20N

 Range:
 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Black Cr 22.0376

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.20932

 Longitude:
 -123.59190

 WA state plane south (NAD 27, feet)

 East:
 1,232,019

699,242

Location / Directions:

North:

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

Site Comments:

Subsurface flows 10 meters downstream. OHW = 0.5 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
V	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

Brook Trout
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)	2.40
OHW (m)	1.30
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID:

PI:

127S0014

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION GENERAL LOCATION

Road Name:	6900
County:	Grays Harbor
1/4 Section:	SW
Section:	27

 Township:
 20N

 Range:
 07W

WATERBODY

Stream:	Singer Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0375
Fish Use:	Yes
FUP Criteria:	Biolgical
	3

OWNER

Name: en Diamond Resource Comp Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.18616

 Longitude:
 -123.54670

 WA state plane south (NAD 27, feet)

East: 1,242,917
North: 690,361

Location / Directions:

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

Site Comments:

Juvenile coho seen upstream of culvert.

EVALUATION LEVEL COMPLETED

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Sockeye	✓ Sea
Pink	✓ Re

Chum Chinook

✓ Coho

Steelhead

Sea Run Cutthroat

Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.95	
Span/Toe Ratio	1.42	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.2
RND
CST
0.64
0.66
8.23
3.13
No
0.14
0.06
No
1.25
No

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0014

Fish Use:

Yes

Barrier: Yes

CULVERT DESCRIPTION

2.2
RND
PVC
0.76
0.77
12.35
4.37
No
0.17
0.00
No
1.25
No

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0015

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

upstream end of culvert.

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

Substrate is cobble/gravel mix. Debris on

SPECIES POTENTIAL

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

PLUNGE POOL DESCRIPTION

Length (m)	8.90	
OHW (m)	8.80	
Max Depth (m)	1.26	
CHANNEL DESCRIPTION		

4.30

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)	1.80
Rise (m)	1.82
Length (m)	79.40
Slope (%)	4.16
Bed Material	No
Outfall Drop (m)	0.71
WDIC (m)	0.06
Apron	No
Fill Depth (m)	22.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0016

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	West Satsop Rd	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	33	
Township:	19N	

07W

POSITIONAL DATA

WGS 84,	decimal	degree

47.09721		
-123.55694		
WA state plane south (NAD 27, feet)		
1,239,118		
658,041		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

unnamed
WF Satsop 22.0364
22.0000
Yes
Mapped

Location / Directions:

Site Comments:

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

Confluence with WF Satsop approximately 100

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2003
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

meters downstream from culvert.

Length (m)	6.53	
OHW (m)	4.50	
Max Depth (m)	0.91	
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)	0.74
Rise (m)	0.76
Length (m)	14.59
Slope (%)	1.28
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.65
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Toe Width (m) 1.34 Span/Toe Ratio 0.55

Culvert Comments:

Level B completed on 10/040/04.



Mason Conservation District

Site ID:

127S0017

Fish Use:

Barrier:

Yes Yes

PI:

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	West Satsop Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	14

 Township:
 18N

 Range:
 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 WF Satsop 22.0364

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

OWNER

Name:	Grays Harbor
Type:	County

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.04273

 Longitude:
 -123.52982

 WA state plane south (NAD 27, feet)

East: 1,245,104
North: 637,925

Location / Directions:

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

Site Comments:

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

EVALUATION LEVEL COMPLETED

	Report Logged
V	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

Brown

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.45
Span/Toe Ratio	0.74

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.08
Rise (m)	1.08
Length (m)	18.87
Slope (%)	1.27
Bed Material	No
Outfall Drop (m)	0.63
WDIC (m)	0.30
Apron	No
Fill Depth (m)	0.50
Tidegate	No



Mason Conservation District

Site ID:	127S0018	Fish Use:	No
PI:		Barrier:	

CITE DESCRIPTION

SITE DESCR	RIPTION				
GENERAL LOCATION POSITIONAL DATA			EVALUATION LEVEL COMPLETED		
Road Name:	West Satsop Rd	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.04396	✓	Field Review
1/4 Section:	SE	Longitude:	-123.53172		Threshold Determination
Section:	15	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	18N	East:	1,244,648		Downstream Check
Range:	07W	North:	638,394		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 0.20 miles	JF LOIL	Sockeye Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	northwest of the W S	atsop Rd/Brady Satsop Rd		Pink Resident Trout
WRIA:	22.0000	junction.			Chum Dolly/Bull Trout
Fish Use:	No	04.0			Chinook Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout
OWNER		OHW < 0.60 meters.			Steelhead
Name:	Grays Harbor				
Type:	County				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	6/17/2003	Length (m)		Survey	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	
Method				9	
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.29
Rise (m)	0.29
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Upstream end of culvert is buried.



Mason Conservation District

Site ID:

PI:

127S0019

EVALUATION LEVEL COMPLETED Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

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

POSITIONAL DATA

Location / Directions:

Site Comments:

Longitude:

WGS 84, decimal de	egrees
Latitude:	47.04560
Longitude:	-123.53245

WA state plane south (NAD 27, feet)

1,244,489 638,996 North:

Water crossing is approximately 0.35 miles

SP

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

WATERBODY

OWNER

Name:

Type:

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

Grays Harbor

County

northwest of the W Satsop Rd/Brady Satsop Rd junction.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.15
OHW (m)	0.85
Max Depth (m)	0.25
0114411151 DE00DI	DTION

CHANNEL DESCRIPTION

Toe Width (m)	0.70
Span/Toe Ratio	0.46

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.32
0.32
12.39
2.58
No
0.22
0.03
No
1.00
No



Mason Conservation District

Site ID:

PI:

127S0020

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

07W

Grays Harbor

County

POSITIONAL DATA WGS 84, decimal degrees

47.04775 Latitude: -123.53278 Longitude:

WA state plane south (NAD 27, feet)

1,244,437 639,785 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: WF Satsop 22.0364 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

Location / Directions:

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

Site Comments:

Small marsh upstream of culvert.

SPECIES POTENTIAL

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

Brook Trout

	Chinook
V	Coho

Steelhead

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	0.31

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.31
0.31
13.14
8.50
No
0.12
0.04
No
0.50
No



Mason Conservation District

Site ID:

PI:

127S0021

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

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

640,196

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

North:

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

Wet crossing 15 meters downstream of site.

SPECIES POTENTIAL

FECILS FO	ILIVIIAL	
Soci	кеуе	✓ Sea Run Cutthroa
Pink		✓ Resident Trout
Chu	m	Dolly/Bull Trout
Chin	ook	Brook Trout
✓ Coh	o	Brown Trout
Stee	lhead	

OWNER

Name:	Grays Harbor	
Type:	County	

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.90	
OHW (m)	1.75	
Max Depth (m)	0.25	
<u> </u>		
CHANNEL DESCRIPTION		

0.45

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Toe Width (m) Span/Toe Ratio

Level B completed 10/04/04.



Mason Conservation District

Site ID:	127S0022	Fish Use:		
PI:		Barrier:		

SIT	ΓF	ח	FS	CRI	IPT		J
JI.	_	$\boldsymbol{-}$	டப	\mathbf{c}		-	ч

GENERAL LOCATION

West Satsop Rd Road Name: Grays Harbor County:

1/4 Section: Section: 10 18N Township: 07W Range:

WATERBODY

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

OWNER

Grays Harbor Name: County Type:

POSITIONAL DATA

WGS 84, decimal degrees

47.05571 Latitude: -123.53585 Longitude: WA state plane south (NAD 27, feet) 1,243,783

642,714

Location / Directions:

North:

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

Site Comments:

Downstream flows into ditch drainage. OHW < 0.60 meters.

EVALUATION LEVEL COMPLETED

Report Logged
Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check Physical Survey

SPECIES POTENTIAL

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

Chinook **Brook Trout** Brown Trout Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Toe Width (m) Span/Toe Ratio

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID:

PI:

127S0023

EVALUATION LEVEL COMPLETED

Report Logged

Field Review

Threshold Determination

Downstream Check

Expanded Threshold Determination

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL	LOCATION

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

POSITIONAL DATA

WGS 84, decimal	degrees
Latitudo:	

Location / Directions:

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

Physical Survey

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

WATERBODY

OWNER

Name:

Type:

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

Grays Harbor

County

Site Comments:

junction.

Downstream flows along road for 40 meters.

Water crossing is approximately 1.15 miles

northwest of the W Satsop Rd/Brady Satsop Rd

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	0.33

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.49
0.49
10.42
3.70
No
0.00
0.30
No
1.20
No



Mason Conservation District

Site ID:

PI:

127S0024

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

WGS 84,	decimal	degree

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

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

Site Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	5.25	
OHW (m)	3.30	
Max Depth (m)	0.63	
CHANNEL DESCRIPTION		

1.65

0.38

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.63
0.63
11.52
2.90
No
0.05
0.05
No
0.25
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID: 127S0025

PI:

Fish Use:

No

Barrier:

CITE	DESCRIPTION	ı
ᄓ	DESCINIT HON	1

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged West Satsop Rd WGS 84, decimal degrees Road Name: Grays Harbor 47.05918 Field Review County: Latitude: Threshold Determination -123.54293 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 10 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,242,068 07W Physical Survey Range: 644,049 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 1.50 miles Sockeye Sea Run Cutthroat northwest of the W Satsop Rd/Brady Satsop Rd Tributary To: WF Satsop 22.0364 Pink Resident Trout junction. WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho No defined channel downstream of culvert. OWNER OHW < 0.60 meters. Steelhead Grays Harbor Name: County Type:

LEVEL A ANALYSIS

SUMMARY INFORM	MATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	10/7/2003	Length (m)	Survey Type:
Field Crew:	Glore/Blatt	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sg m)
Method		CHANNEL DESCRIPTION	rtouring (eq iii)
Repair Status		Toe Width (m)	
Droblom		Span/Toe Ratio	

CULVERT DESCRIPTION

COLVERT DESCRIPTION		
Sequencer:	1.1	
Shape	RND	
Material	PCC	
Span (m)	0.25	
Rise (m)	0.25	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.00	
WDIC (m)	0.00	
Apron	No	
Fill Depth (m)	0.50	
Tidegate	No	



Mason Conservation District

Site ID:

PI:

127S0026

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Report Logged Field Review

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL L	OCATION
-----------	---------

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

POSITIONAL DATA

Location / Directions:

junction.

upstream of site.

WGS 84, decimal degrees		
Latitude:	47.05935	
Longitude:	-123.54383	
WA state plane south (NAD 27, feet)		

1,241,846 East: 644,118 North:

Water crossing is approximately 1.55 miles

northwest of the W Satsop Rd/Brady Satsop Rd

SI

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

WATERBODY

OWNER

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

Site Comments: Stream is flowing subsurface at intervals

Grays Harbor Name: County Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	5.65	
OHW (m)	3.50	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

Toe Width (m)	0.90
Span/Toe Ratio	0.70

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	28.85
Slope (%)	6.50
Bed Material	No
Outfall Drop (m)	1.85
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Passability is most likely near zero percent.



Mason Conservation District

Site ID:	127S0027	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

SHE DESCR	IFTION					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	West Satsop Rd	WGS 84, decimal degrees		Report Logged		ed
County:	Grays Harbor	Latitude:	47.06073	✓	Field Review	I
1/4 Section:	NW	Longitude:	-123.55086		Threshold De	etermination
Section:	10	WA state plane sout	h (NAD 27, feet)		Expanded Th	hreshold Determination
Township:	18N	East:	1,240,115		Downstream	Check
Range:	07W	North:	644,688		Physical Sur	vey
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIA	L
Stream:	unnamed	Water crossing is ap	proximately 2.0 miles	□ □	Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	northwest of the W Satsop Rd/Brady Satsop Rd			Pink	Resident Trout
WRIA:	22.0000	junction.			Chum	Dolly/Bull Trout
Fish Use:	No	Site Comments:			Chinook	Brook Trout
FUP Criteria:	Physical				Coho	Brown Trout
OWNER		OHW = 0.45 meters			Steelhead	Blown Hout
Name:	Grays Harbor					
Type:	County					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITA	T GAIN
Review Date:	10/7/2003	Length (m)		Survey	Туре:	
Field Crew:	Glore/Blatt	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

1.1
RND
SST
0.48
0.48
No
0.00
0.00
No
0.50
No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

-123.54598

127S0028

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL I	OCATION
------------------	---------

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

POSITIONAL DATA

Location / Directions:

northeast of the Still Cr bridge.

WGS 84, decimal de	egrees
Latitude:	47.07182

Longitude: WA state plane south (NAD 27 feet)

WA State plane South (NAD 21, leet)	
East:	1,241,488
North:	648,684

Water crossing is approximately 0.80 miles

SI

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

WATERBODY

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

Site Comments:

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.75
Span/Toe Ratio	0.44

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.33
Rise (m)	0.33
Length (m)	12.46
Slope (%)	0.64
Bed Material	No
Outfall Drop (m)	0.12
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No



Mason Conservation District

Site ID:	127S0029	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged West Satsop Rd WGS 84, decimal degrees Road Name: Grays Harbor 47.07280 **~** Field Review County: Latitude: -123.54799 Threshold Determination SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 3 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,241,001 07W Physical Survey Range: 649,061 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.95 miles Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 northeast of the Still Cr bridge. 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 present in channel. OHW OWNER < 0.60 meters. Steelhead Papac, Jerrold & Lora E. Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 10/7/2003 Length (m) Survey Type: Glore/Blatt 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

CULVERT DESCRIPTION

Problem

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.47
Rise (m)	0.53
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	
Rise (m) Length (m) Slope (%) Bed Material Outfall Drop (m) WDIC (m) Apron Fill Depth (m)	



Mason Conservation District

Site ID:

PI:

127S0030

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	West Satsop Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	3

18N Township: 07W Range:

WATERBODY

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

OWNER

Name:	Grays Harbor
Туре:	County

POSITIONAL DATA

WGS 84, decimal degrees

47.07525 Latitude: -123.54971 Longitude: WA state plane south (NAD 27, feet)

1,240,608 649,971 North:

Location / Directions:

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

Site Comments:

EVALUATION LEVEL COMPLETED

	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
~	Coho	Brown Trout

Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.55
Span/Toe Ratio	0.60

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0031

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	West Satsop Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	18N

07W

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.07875

 Longitude:
 -123.55072

 WA state plane south (NAD 27, feet)

 East:
 1,240,404

 North:
 651,255

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

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

Location / Directions:

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

Site	Comments:

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	4.40	
OHW (m)	3.10	
Max Depth (m)	0.60	
CHANNEL DESCRIPTION		
Toe Width (m)	1.10	

0.55

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Span/Toe Ratio

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



Mason Conservation District

Site ID:

PI:

127S0032

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

unnamed

WF Satsop 22.0364

22.0000

Yes

Mapped

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.08309
Longitude:	-123.55292

WA state plane south (NAD 27, feet)

East: 1,239,919 652,858 North:

Location / Directions:

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

Site	C_{n}	nma	nte

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Dhysical Survey

FLCIL	3 FOI LIVITAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
✓	Chum	Dolly/Bull Trout
~	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	0.70
OHW (m)	1.20
Max Depth (m)	0.22
CHANNEL DESCRIPTION	

1.20

0.53

Survey	Type:
Length	(m):

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.64
0.64
14.46
4.50
No
0.10
0.02
No
1.50
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Plunge pool is influence by LWD downstream of



Mason Conservation District

Site ID: 127S0033 Fish Use: No PI: Barrier:

SHE DESCR	RIPTION					
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	West Satsop Rd	WGS 84, decimal degrees		Report Logged		
County:	Grays Harbor	Latitude:	47.08859	✓	Field Review	
1/4 Section:	SE	Longitude:	-123.55565		Threshold Determination	
Section:	33	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	19N	East:	1,239,315		Downstream Check	
Range:	07W	North:	654,887		Physical Survey	
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 2.15 miles	3FEGIE	Sockeye Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364	northeast of the Still			Pink Resident Trout	
WRIA:	22.0000				Chum Dolly/Bull Trout	
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:				
OWNER		No defined stream channel downstream of culvert. OHW < 0.60 meters.		Coho Brown Trout Steelhead		
Name:	Grays Harbor					
Type:	County					
LEVEL A AN	IALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION		POTEN	POTENTIAL HABITAT GAIN	
Review Date:	10/7/2003	Length (m)		Survey	Type:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)			DTION	Rearing		
Method		CHANNEL DESCRI	PTION	ncalliy	<i>y</i> (34 III)	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

CULVERT DESCRIPTION

Problem

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

Culvert Comments:

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



Mason Conservation District

Site ID:	127S0034	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		FVΔI II	EVALUATION LEVEL COMPLETED	
Road Name:	West Satsop Rd	WGS 84, decimal degrees		Report Logged		
County:	Grays Harbor	Latitude:	47.09238	✓	Field Review	
1/4 Section:	NE	Longitude:	-123.55712	Ä	Threshold Determination	
Section:	33	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination	
Township:	19N	East:	1,239,004		Downstream Check	
Range:	07W	North:	656,283		Physical Survey	
WATERBODY		Location / Direction	ıc.			
Stream:	unnamed			SPECIE	ES POTENTIAL	
Tributary To:	WF Satsop 22.0364	Water crossing is appointed in the Still of	proximately 2.45 miles		Sockeye Sea Run Cutthroa	
WRIA:	22.0000	normeast of the out	or bridge.		Pink Resident Trout	
					Chum Dolly/Bull Trout	
Fish Use:	No	Site Comments:			Chinook Brook Trout	
FUP Criteria:	Physical	Forested ditable delivery OLINA 10.00 meteors		Coho Brown Trout		
OWNER		Excavated ditch delivery. OHW < 0.60 meters.		Steelhead		
Name:	Grays Harbor					
Type:	County					
LEVEL A AN	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DES	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN	
Review Date:	10/7/2003	Length (m)		Survey	Type:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)			TION.	·		
Method		CHANNEL DESCRI	PHON	Rearing	J (24 III)	
Repair Status		Toe Width (m)				

CULVERT DESCRIPTION

Problem

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

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:	127S0035	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	West Satsop Rd	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.10061	✓	Field Review
1/4 Section:	SE	Longitude:	-123.55857		Threshold Determination
Section:	28	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	19N	East:	1,238,760		Downstream Check
Range:	07W	North:	659,296		Physical Survey
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is an	proximately 3.0 miles	SPECIE	Sockeye Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	northeast of the Still			· <u>-</u>
WRIA:	22.0000				
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		Natural point barrier downstream. No defined stream channel upstream.			Coho Brown Trout Steelhead
Name:	Grays Harbor	•			
Type:	County				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT GAIN
Review Date:	10/7/2003	Length (m)		Survey	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	
Method			FIIUN	rveamy	(94 111)
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

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

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0036

Fish Use:

No

Barrier:

SIT	ΓF	DE	SC	RΙ	PT	ON
J	_	$\boldsymbol{\nu}$				U

POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION D-3700 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.10881 Field Review County: Latitude: -123.57937 Threshold Determination Longitude: 1/4 Section: NE **Expanded Threshold Determination** Section: 29 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,233,700 07W Physical Survey Range: 662,487 North: WATERBODY Location / Directions: **SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.10 miles Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 north of the D-3700/D-line 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. OHW < 0.60 OWNER Steelhead Weyerhaeuser Company Name: Private Type: **LEVEL A ANALYSIS**

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	5/10/2004	Length (m)	Survey Type:	
Field Crew:	Blatt/Schuetzler	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)	0.40
Rise (m)	0.41
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0037

Fish Use:

No

Barrier:

SITE	DESCR	IPTION

POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION D-3700 Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.11129 Field Review County: Latitude: Threshold Determination -123.57835 NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 29 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,233,988 07W Physical Survey Range: 663,382 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.30 miles Tributary To: WF Satsop 22.0364 north of the D-3700/D-line junction.

FUP	Criteria:
O14/A	IED

WRIA:

Fish Use:

Name:	Weyerhaeuser Company
Type:	Private

22.0000

Physical

Site Comments:

Downstream channel is deep and looks to have high velocities during fall flows. OHW = 0.29 meters.

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
CHANNEL DESCRI	PTION

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

	4.4
Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0038

Fish Use:

Jse: No

Barrier:

SITE	DESC	RIPT	ΓΙΟΝ
------	------	------	------

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

0.29 meters.

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

No water present at time of sample. OHW =

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

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert seems to be newly installed.



Mason Conservation District

Site ID:

PI:

127S0039

Fish Use: Barrier:

No

SITE DESCRIPTION **GENERAL LOCATION**

D-4400 Road Name: Grays Harbor County: NW1/4 Section: 20 Section: 19N Township: 07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.12006	
Longitude:	-123.58351	
WA state plane south (NAD 27, feet)		
East:	1,232,829	
North:	666.627	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

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

Location / Directions:

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

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

Site Comments:

Perennial growth throughout stream channel. OHW = 0.37 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

2.03

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

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



Mason Conservation District

Site ID: **127S0040** Fish Use: PI: Barrier:

No

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged D-4420 WGS 84, decimal degrees Road Name: Grays Harbor 47.11865 **~** Field Review Latitude: County: -123.58532 Threshold Determination SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 20 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,232,359 07W Physical Survey Range: 666,132 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.20 miles east Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 of the D-4400/D-4420 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Stream channel is braided and has no water **OWNER** present at time of sample. OHW < 0.60 meters. Steelhead Weyerhaeuser Company Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/10/2004 Length (m) Survey Type: Blatt/Schuetzler 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)	0.49
Rise (m)	0.49
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:	127S0041	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

SITE DESCR	RIPTION				
GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	D-4000	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.12604	✓	Field Review
1/4 Section:	SE	Longitude:	-123.59503		Threshold Determination
Section:	18	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	19N	East:	1,230,049		Downstream Check
Range:	07W	North:	668,921		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	S POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 0.20 miles east		Sockeye Sea Run Cutthroat
Tributary To:	Still Cr 22.0366	of the D-4400/D-442			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		throughout. Upstrea	I has perennial growth m is wetland habitat with		Steelhead
Name:	Weyerhaeuser Company	small pond. OHW <	0.60 meters.		
Type:	Private				
LEVEL A AN	IALYSIS				
SUMMARY INFO	ORMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	5/10/2004	Length (m)		Survey	Туре:
Field Crew:	Blatt/Schuetzler	OHW (m)		Length ((m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRIPTION		Rearing	(sq m)
Method				(-1)	
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

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

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0042

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	D-5000	
County: Grays Harbor		

1/4 Section: SW 17 Section: 19N Township: 07W

POSITIONAL DATA

WGS 84, decimal degrees

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

EVALUATION LEVEL COMPLETED

✓	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

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

Location / Directions:

Site Comments:

OHW = 1.40 meters.

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

Sighted juveniles coho upstream of culvert.

SPECIES POTENTIAL

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

OWNER

Weyerhaeuser Company Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	2.05

1.02

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Span/Toe Ratio

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



Mason Conservation District

Site ID:

PI:

127S0043

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	D-5000	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	17	

Township: 19N
Range: 07W

WATERBODY

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

OWNER

Name:	Weyerhaeuser Compan
Type:	Private

POSITIONAL DATA

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

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

Location / Directions:

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

Site Comments:

Abundant LWD in stream channel. Coho fry at site

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	2.29
Span/Toe Ratio	1.48

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Upstream end of culvert is beveled.



Mason Conservation District

Site ID:

PI:

-123.56157

127S0044

Fish Use:

No

Barrier:

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check Physical Survey

Expanded Threshold Determination

Report Logged

Field Review

CIT	F	n	FS	CR	IPT	IO	N
oi i		u	⊑ 3	c_{κ}		ıv	N

GENERAL LOCATION

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

POSITIONAL DATA

Location / Directions:

WGS 84, decimal de	egrees
Latitude:	47.06600

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

Tit diato plano cout	(2. ,)
East:	1,237,523
North:	646,711

Water crossing is approximately 0.50 miles

northwest of the W Satsop Rd/D-line junction.

Tributary dry at time of sample. OHW < 0.60

SI

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

WATERBODY

Range:

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

Site Comments:

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.71
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0045

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

CENE	DAL	100	ATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

in stream.

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

Substrate is mostly coble. Observed lamp ray

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	3.10	
OHW (m)	3.23	
Max Depth (m)	0.53	
CHANNEL DESCRIPTION		

1.11

1.39

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.54
1.53
11.20
4.39
No
0.36
0.08
No
1.50
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Upstream end of culvert is beveled.



Mason Conservation District

Site ID:

PI:

127S0046

Fish Use:

No

Barrier:

SIT	ΓF	DE	SC	RΙ	PT	ON
J	_	$\boldsymbol{\nu}$				U

GENERAL LOCATION		
Road Name:	CC-line	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	15	
Township:	18N	
Dange:	07\//	

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

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

Braided wetlands downstream. OHW < 0.60

SPECIES POTENTIAL

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

OWNER

Name:	Lloyd Foss & Elizabeth Perr
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	0.29

1.28

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Span/Toe Ratio

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



Mason Conservation District

Site ID:

PI:

127S0047

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
~	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

1.65 meters.

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

Abundant LWD in stream channel. OHW =

SPECIES POTENTIAL

LCIL	SIGILITIAL	
	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:	5/11/2004
Field Crew:	Blatt/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.89		
OHW (m)	2.08		
Max Depth (m)	0.36		
CHANNEL DESCRIPTION			

0.79

1.47

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	ELL
Material	CST
Span (m)	1.16
Rise (m)	1.31
Length (m)	13.67
Slope (%)	7.34
Bed Material	No
Outfall Drop (m)	1.09
WDIC (m)	0.07
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID: **127S0048** Fish Use: PI: Barrier:

No

SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		OMPLETED
Road Name:	A-2000	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.10154	✓	Field Review	
1/4 Section:	SE	Longitude:	-123.53157		Threshold Dete	rmination
Section:	27	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination	
Township:	19N	East:	1,245,492		Downstream Cl	heck
Range:	07W	North: 659,377			Physical Survey	/
WATERBODY		Location / Direction	s:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.55 miles east		Sockeye	Sea Run Cutthroat
Tributary To:	unnamed 22.0369	of the A-2000/A-line junction.			Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		Subsurface flow 20 n culvert. OHW < 0.60	neters downstream of meters.		Coho Steelhead	Brown Trout
Name:	Weyerhaeuser Company					
Type:	Private					

LEVEL A ANALYSIS

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date:	5/11/2004	Length (m)	Survey Type:
Field Crew:	Blatt/Schuetzer	OHW (m)	Length (m):
Barrier		Max Depth (m)	Spawning (sq m)
Passability (%)		CHANNEL DESCRIPTION	Rearing (sq m)
Method			7
Repair Status		Toe Width (m)	
Problem		Span/Toe Ratio	

CULVERT DESCRIPTION

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

Culvert Comments:

Culvert has an extension.



Mason Conservation District

Site ID:

PI:

127S0049

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

Road Name: A-2000 Grays Harbor County:

1/4 Section: SE Section: 27 19N Township: 07W

unnamed

WF Satsop 22.0364

22.0369

Mapped

Weyerhaeuser Company

Private

POSITIONAL DATA

WGS 84, decimal degrees

47.10136 Latitude: -123.53362 Longitude: WA state plane south (NAD 27, feet)

1,244,979 659,330 North:

SPECIES POTENTIAL

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

Site Comments:

OHW = 1.96 meters.

Location / Directions:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check Physical Survey

Sockeye	✓ Sea Run Cutthroa
Pink	✓ Resident Trout

Chum Dolly/Bull Trout **Brook Trout** Chinook

Brown Trout Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.17
Span/Toe Ratio	1.40

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Upstream end of culvert is beveled.



Mason Conservation District

Site ID:

PI:

127S0050

Fish Use:

No

Barrier:

S	ΙT	Έ	D	ES	CR	IPT	10	N
---	----	---	---	----	----	-----	----	---

GENERAL LOCA	TION	POSITIONAL DATA	A	EVALU	ATION LEVEL	COMPLETED
Road Name:	A-2000	WGS 84, decimal de	egrees		Report Logge	d
County:	Grays Harbor	Latitude:	47.10473	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.54085		Threshold De	termination
Section:	27	WA state plane south (NAD 27, feet)			Expanded Th	reshold Determination
Township:	19N	East:	1,243,226		Downstream (Check
Range:	07W	North:	660,627		Physical Surv	ey
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is an	pproximately 1.5 miles		Sockeye	Sea Run Cutthi
Tributary To:	unnamed 22.0371	northeast of the A-lir			Dink	Sea Ruii Culliii

OWNER

WRIA:

Fish Use:

FUP Criteria:

Name:	Weyerhaeuser Company
Type:	Private

22.0000

Physical

Site Comments:

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

ITIAL

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

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.52	

1.17

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

No plunge pool measurements due to wetlands influence downstream.



Mason Conservation District

Site ID:

127S0051

Fish Use: Barrier:

Yes

Yes

PI: 21.20

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

WGS 84, decimal degrees

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

Field Review Threshold Determination

EVALUATION LEVEL COMPLETED Report Logged

Expanded Threshold Determination
Downstream Check
Physical Survey

WATERBODY

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

Location / Directions:

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

SPECIES POTENTIAL

CUIE	3 POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
~	Chum	Dolly/Bull Trout
~	Chinook	Brook Trout
~	Coho	Brown Trout
V	Steelhead	

OWNER

Name:	Weyerhaeuser Company
Type:	Private

Site Comments:

Coho fry at site. Limited livestock access downstream of culvert.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION	
Max Depth (m)	
OHW (m)	
Length (III)	
Length (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)	0.91
Rise (m)	0.91
Length (m)	12.27
Slope (%)	6.87
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.50
Tidegate	No

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

Toe Width (m)	0.95
Span/Toe Ratio	0.96

Culvert Comments:

Plunge pool is modified for limited livestock watering access.



Mason Conservation District

Site ID:

PI:

127S0052

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

ninatior

WATERBODY

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

Location / Directions:

Site Comments:

meters.

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

Wetlands upstream of site. OHW = 1.10

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

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	4.45
OHW (m)	4.15
. ,	
Max Depth (m)	0.70
CHANNEL DESCRIPTION	
Toe Width (m)	0.55

1.75

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Span/Toe Ratio

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



Mason Conservation District

Site ID:

PI:

127S0053

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	unknown spur
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	19N

07W

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

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

Location / Directions:

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

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

Site Comments: Stream has wetla

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	6.75	
OHW (m)	4.10	
Max Depth (m)	0.60	
CHANNEL DESCRIPTION		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.76
0.76
8.52
3.17
No
0.00
0.03
No
1.00
No

Culvert Comments:

Toe Width (m) Span/Toe Ratio

Stream width measurements not obtainable due to wetland influence.



Mason Conservation District

Site ID:

PI:

127S0054

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

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

Beaver activity present at site. Coho fry sighted in stream. OHW = 1.60 meters.

SPECIES POTENTIAL

LOIL	.51 OILNIIAL	
	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:	5/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	9.67
OHW (m)	5.20
Max Depth (m)	0.65
CHANNEL DESCRIPTION	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Toe Width (m)	0.85
Span/Toe Ratio	1.95

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0055

Fish Use:

No

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION Road Name: unkr

 Road Name:
 unknown spur

 County:
 Grays Harbor

 1/4 Section:
 SE

 Section:
 3

 Township:
 19N

 Range:
 07W

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.15903

 Longitude:
 -123.54001

 WA state plane south (NAD 27, feet)

 East:
 1,244,199

 North:
 680,412

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

 Stream:
 unnamed

 Tributary To:
 unnamed 22.0417

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

Location / Directions:

Site Comments:

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

No defined stream channel. OHW < 0.60

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

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
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		
0.47		
0.47		
6.99		
1.48		
No		
0.00		
0.00		
No		
0.25		
No		

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0056

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

07W

Grays Harbor

County

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

47.16403 Latitude: -123.55336 Longitude: WA state plane south (NAD 27, feet)

1,240,950 682,361 North:

Water crossing is approximately 0.75 miles

south of the Cougar Smith Rd/Muller Rd

S

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

WATERBODY

Range:

OWNER

Name:

Type:

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

Site Comments:

junction.

Wetland habitat upstream and downstream of

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL 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	PCC
Span (m)	0.31
Rise (m)	0.31
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0057

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

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

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.16402	
Longitude:	-123.55184	
WA state plane south (NAD 27, feet)		
East:	1,241,328	
No wth.	682 344	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

0.60 meters.

Water crossing is approximately 0.70 miles south of the Cougar Smith Rd/Muller Rd junction.

Wetlands upstream and downstream. OHW >

SPECIES POTENTIAL

or LoiLo i o i LittinaL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
✓ Coho	Brown Trout
Steelhead	

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

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	PCC
Span (m)	0.46
Rise (m)	0.46
Length (m)	8.49
Slope (%)	2.44
Bed Material	No
Outfall Drop (m)	0.04
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.80
Tidegate	No

Culvert Comments:

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



Mason Conservation District

Site ID: 127

PI:

127S0058

Fish Use:

No

Barrier:

Q I	TE	DI	=0	CD	IDT	۸
ΟI	16	U	_3	ᅜ	IP I	М

POSITIONAL DATA **EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged Muller Rd WGS 84, decimal degrees Road Name: Grays Harbor 47.15258 Field Review County: Latitude: Threshold Determination -123.56518 NW1/4 Section: Longitude: **Expanded Threshold Determination** Section: 9 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,237,851 07W Physical Survey Range: 678,302 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 1.85 miles Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 south of the Muller Rd/Cougar Smith 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 Tributary is dry at time of sample. OHW < 0.60 **OWNER** Steelhead Grays Harbor Name: County Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	
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	PCC
Span (m)	0.33
Rise (m)	0.33
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Downstream end of culvert is covered by debris and there is no water present.



Mason Conservation District

Site ID:

PI:

127S0059

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

Unk

Barrier: Yes

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

GENERAL LOCATION Road Name: A-line. County: Grays Harbor 1/4 Section: SE Section: 4 Township: 19N

07W

Smith Cr 22.0415

22.0418

Unk

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 47.15999

Longitude: -123.55237
WA state plane south (NAD 27, feet)

East: 1,241,139

North: 680,881

ECIE	SPOTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout

unnamed Water grassing is approx

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

Site Comments:

Stream channel is covered in sedges.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

1.1
RND
CST
0.64
0.58
12.37
5.52
No
0.10
0.02
No
1.50
No

Culvert Comments:

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



Mason Conservation District

Site ID: **127S0060** Fish Use: No PI: Barrier:

Length (m):

Spawning (sq m)

Rearing (sq m)

SITE DESCRIPTION

OITE DEGG	VII TION						
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED		
Road Name:	A-line	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.15653	✓	Field Review		
1/4 Section:	SW	Longitude:	-123.55155		Threshold D	etermination	
Section:	3	WA state plane sout	th (NAD 27, feet)		Expanded T	hreshold Determination	
Township:	19N	East:	1,241,294		Downstream	n Check	
Range:	07W	North:	679,610		Physical Sur	rvey	
WATERBODY		Location / Direction	ns:	SDECI	ES POTENTIA	NI.	
Stream:	unnamed	Water crossing is approximately 0.60 miles south of the Muller Rd/A-line junction.			Sockeye	Sea Run Cutthroat	
Tributary To:	Smith Cr 22.0415				Pink		
WRIA:	22.0000				Chum	Resident Trout	
Fish Use:	No					Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout	
OWNER		OHW < 0.60 meters			Coho Steelhead	Brown Trout	
Name:	en Diamond Resource Comp			_			
Type:	Private						
LEVEL A AN	NALYSIS						
SUMMARY INFO	SUMMARY INFORMATION PLUNGE POOL DESCRIPTION		SCRIPTION	POTEN	ITIAL HABITA	AT GAIN	
Review Date:	5/12/2004	Length (m)	5.30	Survey	Type:		

3.55

0.75

CULVERT DESCRIPTION

Field Crew:

Passability (%)

Repair Status

Barrier

Method

Problem

1.1
RND
CST
0.54
0.56
No
0.48
0.00
No
1.50
No

Glore/Blatt

Culvert Comments:

CHANNEL DESCRIPTION

OHW (m)

Max Depth (m)

Toe Width (m)

Span/Toe Ratio

Mason Conservation District

Site ID:	127S0061	Fish Use:
PI:		Barrier:

Spawning (sq m)

Rearing (sq m)

No

SITE DESCRIPTION

POSITIONAL DATA **EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged 4420 WGS 84, decimal degrees Road Name: Field Review Grays Harbor 47.15359 **~** County: Latitude: Threshold Determination -123.54593 NWLongitude: 1/4 Section: **Expanded Threshold Determination** Section: 10 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,242,650 07W Physical Survey Range: 678,485 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 300 meters Sockeye Sea Run Cutthroat Tributary To: Smith Cr 22.0415 east of the 4420/A-line junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Ephemeral wetlands upstream and downstream OWNER of site. OHW = 0.45 meters. Steelhead Weyerhaeuser Company Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/14/2004 Survey Type: Glore/Blatt Field Crew: Length (m):

CULVERT DESCRIPTION

Barrier

Method Repair Status Problem

Passability (%)

1.1
RND
PVC
0.46
0.46
No
0.29
0.00
No
0.50
No

Length (m)	2.27	
OHW (m)	1.09	
Max Depth (m)	0.15	
OUANNEL DECORPTION		

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

Culvert Comments:



Mason Conservation District

Site ID:	127S0062	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	A-line	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.15184	✓	Field Review
1/4 Section:	NW	Longitude:	-123.54847		Threshold Determination
Section:	10	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	19N	East:	1,241,995		Downstream Check
Range:	07W	North:	677,870		Physical Survey
WATERBODY		Location / Direction	is:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is approximately 0.95 miles south of the Muller Rd/A-line junction			Sockeye Sea Run Cutthroat
Tributary To:	Smith Cr 22.0415				Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			
OWNER		Small ephemeral we OHW < 0.60 meters.	tland downstream of site.		Coho Brown Trout Steelhead
Name:	Weyerhaeuser Company				
Type:	Private				
LEVEL A ANA	ALYSIS				
SUMMARY INFORMATION		PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	5/14/2004	Length (m)		Survey '	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	
Method			FIION	rtcamg	(04)
Renair Status		Toe Width (m)			

CULVERT DESCRIPTION

Problem

1.1
RND
PVC
0.61
0.61
No
0.05
0.02
No
1.50
No

Culvert Comments:

Span/Toe Ratio

Toe and plunge pool unavailable due to ephemeral wetland influence.



Mason Conservation District

PI:

Fish Use: No

Barrier:

SITE DESCRIPTION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

OHW < 0.60 meters.

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

Ephemeral wetlands with subsurface flows.

SPECIES POTENTIAL

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

OWNER

Review Date:

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

Name:	Weyerhaeuser Company
Tyne:	Private

5/13/2004 Glore/Blatt

LEVEL A ANALYSIS

SUMMARY INFORMATION 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

1.1
RND
PVC
0.61
0.61
No
0.00
0.05
No
2.00
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0064

Fish Use:

Barrier:

No

Q١	TE	DE	SC	ΡI	PT		N
O.		υE	JU	·ΓΙ		U	IN

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

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

Small ephemeral wetland upstream of site.

2.03

SPECIES POTENTIAL

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

OWNER

Problem

Name:	Weyerhaeuser Company
Type:	Private

OHW = 0.40 meters.

LEVEL A ANALYSIS SUMMARY INFORMATION

PLUNGE POOL DESCRIPTION

Review Date:	5/13/2004	Length (m)	2.23
Field Crew:	Glore/Blatt	OHW (m)	0.93
Barrier		Max Depth (m)	0.23
Passability (%)		CHANNEL DESCRI	DTION
Method		CHANNEL DESCRI	PTION
Repair Status		Toe Width (m)	0.30
Nepali Olalus			

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.61
0.61
No
0.02
0.20
No
2.00
No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0065

Fish Use:

No

Barrier:

SITE	DESCRIP	MOIT
91 I L	PEGGINII	11011

GENERAL LOCATION

Road Name: B-line County: Grays Harbor 1/4 Section: NE Section: 10

Township: 19N
Range: 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Smith Cr 22.0415

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

OWNER

Name: Weyerhaeuser Company
Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.14714

 Longitude:
 -123.53872

 WA state plane south (NAD 27, feet)

East: 1,244,353

North: 676,063

Location / Directions:

Water crossing is approximately 0.25 miles east of the B-line/B-1000 Line junction.

Site Comments:

OHW = 0.35 meters.

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.35
Span/Toe Ratio	2.20

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.77
0.77
No
0.00
0.04
No
1.50
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0066

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

B-line Road Name:

Grays Harbor County: 1/4 Section: SE Section: 10 Township:

19N 07W

Range: WATERBODY

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

OWNER

Name: Type:

Weyerhaeuser Company
Private

POSITIONAL DATA

WGS 84, decimal degrees

47.14461 Latitude: -123.53815 Longitude: WA state plane south (NAD 27, feet)

1,244,458 675,137 North:

Location / Directions:

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

Site Comments:

OHW = 0.62 meters.

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

✓ Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/13/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m) 0.59 Span/Toe Ratio 1.03

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.61
0.61
9.41
1.13
No
0.00
0.02
No
1.00
No

Culvert Comments:

No plunge pool measurements due to wetland influence downstream.



Mason Conservation District

Site ID: **127S0067**

PI:

Fish Use:

No

Barrier:

SITE	DESCRIPTION
O: : E	DECOMMINION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

OHW < 0.60 meters.

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

Tributary has intermittent subsurface flows.

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

PLUNGE POOL DESCRIPTION

Length (m)	2.05	
OHW (m)	0.57	
Max Depth (m)	0.15	
CHANNEL DESCRIPTION		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

COLVERT DESCRIPTION		
Sequencer:	1.1	
Shape	RND	
Material	PVC	
Span (m)	0.46	
Rise (m)	0.46	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.78	
WDIC (m)	0.01	
Apron	No	
Fill Depth (m)	1.50	
Tidegate	No	

Culvert Comments:

Toe Width (m) Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0068

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Road Name: B-500 County: Grays Harbor 1/4 Section: SE Section: 10

Township: 19N
Range: 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Smith Cr 22.0415

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

OWNER

Name: Weyerhaeuser Company

Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.14118

 Longitude:
 -123.53165

 WA state plane south (NAD 27, feet)

East: 1,246,028

North: 673,824

Location / Directions:

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

Site Comments:

Smith Creek confluence is approximately 100 meters downstream of site. OHW = 0.30 meters.

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

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

Brown Trout

Brook Trout

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.30
Span/Toe Ratio	1.50

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.60
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No



Mason Conservation District

Site ID: 127S0069 Fish Use: PI:

No

Barrier:

O.T.	DECODI	DT1011
SILE	DESCRI	PHON

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

meters.

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

Small seep 2 meters upstream feeds culvert.

Confluence with Smith Creek is approximately 10 meters downstream of site. OHW = 0.30

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION PLUNGE POOL DESCRIPTION

Review Date:	5/13/2004	Length (m)	
Field Crew:	Glore/Blatt	OHW (m)	
Barrier		Max Depth (m)	
Passability (%)		. ,	
,		CHANNEL DESCE	IDTION
Method		CHANNEL DESCR	IPTION
		Toe Width (m)	IPTION
Method			IPTION

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.50
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0070

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

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

Intermittent subsurface flows upstream and

downstream with abundant LWD in channel.

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

euser Company OHW = 0.35 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.61		
OHW (m)	0.95		
Max Depth (m)	0.38		
CHANNEL DESCRIPTION			

0.35

1.29

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.84
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

-123.52881

127S0071

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Report Logged

Field Review

Fish Use:

No

Barrier:

SIT	ΓF	n	F٩	CR	IPT		N
JI.		$\mathbf{\nu}$	ᆫᇰ	\mathbf{c}	IF I	ı	ı

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

POSITIONAL DATA

Location / Directions:

OHW < 0.60 meters.

Longitude:

WGS 84, decimal de	grees
Latitude:	47.13770

WA state plane south (NAD 27, feet)

1,246,685 672,531 North:

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

s

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

WATERBODY

unnamed
Smith Cr 22.0415
22.0000
No
Physical

Site Comments:

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.31
Span/Toe Ratio	2.79

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0072

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	B-500	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	14	
Township:	19N	

07W

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

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

WATERBODY

Range:

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

Location / Directions:

Site Comments:

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

Culvert appears to be recently installed.

SPECIES POTENTIAL

, LCILO	OTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
F	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
V	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.20
OHW (m)	1.95
Max Depth (m)	0.16
CHANNEL DESCRIPTION	

0.92

1.32

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.21
Rise (m)	1.21
Length (m)	11.64
Slope (%)	0.88
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

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



Mason Conservation District

Site ID:

PI:

127S0073

Fish Use:

Yes

Barrier:

No

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

100 meters downstream.

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

Confluence with Smith Creek is approximately

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

PLUNGE POOL DESCRIPTION

Length (m)	2.39
OHW (m)	2.07
Max Depth (m)	0.23
CHANNEL DESCRIPTION	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.21
1.21
12.22
1.12
Yes
0.00
0.13
No
3.00
No

Length (m)	2.39
OHW (m)	2.07
Max Depth (m)	0.23
CHANNEL DESCRIPTION	

Toe Width (m)	0.80
Span/Toe Ratio	1.50

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0074

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

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

POSITIONAL DATA

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

670,275

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

North:

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

SI

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

Site Comments:

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/13/2004
Field Crew:	Glore/Blatt/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
ELL
CST
0.25
0.41
11.88
1.61
No
0.50
0.05
No
1.50
No

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

Toe Width (m)	
Span/Toe Ratio	

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0075

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

No

Barrier:

SITF			

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

POSITIONAL DATA

Location / Directions:

Site Comments:

North:

WGS 84, decimal de	grees
Latitude:	47.13413

-123.52980 Longitude: WA state plane south (NAD 27, feet) 1,246,389 671,239

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

Wetland/seep influences. OHW < 0.60 meters.

SP

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

WATERBODY

Stream:	unnamed
ributary To:	Smith Cr 22.0415
VRIA:	22.0000
ish Use:	No
FUP Criteria:	Physical

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

No stream width measurements due to ephemeral wetland influence.



Mason Conservation District

Site ID:

PI:

127S0076

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL	LOCATION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

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

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

Site Comments:

Culvert appears to be recently replaced. OHW = 0.75 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	3.73	
OHW (m)	2.46	
Max Depth (m)	0.24	
CHANNEL DESCRIPTION		

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)	1.23
Rise (m)	1.23
Length (m)	11.72
Slope (%)	0.63
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Toe Width (m)	0.64
Span/Toe Ratio	1.92

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0077

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Report Logged Field Review Fish Use:

: No

Barrier:

SIT	ΓF	n	F٩	CR	IPT		N
JI.		$\mathbf{\nu}$	ᆫᇰ	\mathbf{c}	IF I	ı	ı

GENERAL LOCATION

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

07W

POSITIONAL DATA

Location / Directions:

Site Comments:

OHW = 0.50 meters.

WGS 84, decimal degrees		
Latitude:	47.12684	
Longitude:	-123.52405	

WA state plane south (NAD 27, feet)

East: 1,247,716

North: 668,527

Water crossing is approximately 1.25 miles southeast of the northern B-line/B-500 junction.

SPECIES POTENTIA

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

WATERBODY

Range:

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.29
Span/Toe Ratio	2.10

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.64
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0078

Fish Use:

No

Barrier:

Q I	TE	DI	=0	CD	IDT	۸
ΟI	16	U	_3	ᅜ		М

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

POSITIONAL DATA

WGS	84,	decimal	deg	rees
			_	

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

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

Wetland vegetation through poorly defined

stream channel. OHW < 0.60 meters.

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

5/13/2004
Glore/Blatt/Schuetzler

PLUNGE POOL DESCRIPTION

PTION
PTION

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

No obtainable toe or plunge pool due to wetland influence.



Mason Conservation District

Site ID:

PI:

47.12389

127S0079

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

GENERAL LOCATION B-500 Road Name: Grays Harbor

County: NW1/4 Section: Section: 23 19N Township: 07W

unnamed

Smith Cr 22.0415

22.0000

Mapped

Weyerhaeuser Company

Private

WGS 84, decimal degrees Latitude: Longitude:

POSITIONAL DATA

-123.52233 WA state plane south (NAD 27, feet)

1,248,102 667,433 North:

Location / Directions:

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

Site Comments:

OHW = 0.69 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** Brown Trout Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.54
Span/Toe Ratio	2.78

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.50
1.50
24.77
0.44
Yes
0.00
0.07
No
0.75
No

Culvert Comments:

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



Mason Conservation District

Site ID:

PI:

127S0080

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

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

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.12080	
Longitude:	-123.51829	
WA state plane south (NAD 27, feet)		
Fast:	1.249.065	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

North:

Water crossing is approximately 1.8 miles southeast of the northern B-line/B-500 junction.

666,269

SPECIES POTENTIAL

FECILIS FOTENTIAL		
Soci	кеуе	✓ Sea Run Cutthroa
Pink		✓ Resident Trout
Chu	m	Dolly/Bull Trout
Chin	ook	Brook Trout
✓ Coh	0	Brown Trout
Stee	lhead	

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.33
OHW (m)	1.35
Max Depth (m)	0.19
CHANNEL DESCRI	PTION
Toe Width (m)	1.10

1.32

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.45
Rise (m)	1.45
Length (m)	24.14
Slope (%)	0.57
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	6.75
Tidegate	No

Span/Toe Ratio

Culvert Comments:

Small log control structure downstream of



Mason Conservation District

Site ID:	127S0081	Fish Use:	No
PI:		Barrier:	

SITE DESCR	IPTION				
GENERAL LOCA	TION	POSITIONAL DATA	L	EVALU	ATION LEVEL COMPLETED
Road Name:	B-500	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.11867	✓	Field Review
1/4 Section:	NE	Longitude:	-123.51694		Threshold Determination
Section:	23	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	19N	East:	1,249,372		Downstream Check
Range:	07W	North:	665,480		Physical Survey
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 1.95 miles		Sockeye Sea Run Cutthroat
Tributary To:	Smith Cr 22.0415		thern B-line/B-500 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			nstream. Confluence of le 50 meters downstream.		Steelhead Brown Frout
Name:	Weyerhaeuser Company	OHW = 0.35 meters			
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN
Review Date:	5/13/2004	Length (m)		Survey	Туре:
Field Crew:	Glore/Blatt/Schuetzler	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	
Method			I HON	rtoaring	7 (24)
Repair Status		Toe Width (m)			
Droblom		Span/Toe Ratio			

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.50
Tidegate	No



Weyerhaeuser Company

Private

Mason Conservation District

Site ID:	127S0082
Site ID.	12/30062

PI:

Fish Use: No

Barrier:

	·sc		

GENERAL LOC	ATION	POSITIONAL DATA EVALUATION LEVEL COMPLETED			COMPLETED	
Road Name:	B-500	WGS 84, decimal degrees			Report Logg	ed
County:	Grays Harbor	Latitude:	47.11834	✓	Field Review	1
1/4 Section:	SE	Longitude:	-123.51653		Threshold De	etermination
Section:	23	WA state plane south	n (NAD 27, feet)		Expanded Th	nreshold Determination
Township:	19N	East:	1,249,469		Downstream	Check
Range:	07W	North:	665,356		Physical Sur	vey
WATERBODY		Location / Direction	s:	SDECIE	S POTENTIA	1
Stream:	unnamed	Water crossing is ap	proximately 2.0 miles		Sockeye	Sea Run Cutthroat
Tributary To:	Smith Cr 22.0415	1	hern B-line/B 500 junction.		Pink	
WRIA:	22.0000					Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER	-	Smith Creek conflue	adient barrier downstream. nce is visible 50 meters		Coho Steelhead	Brown Trout
Name:	Weverhaeuser Company	downstream. OHW :	= U.ZU Meters.			

LEVEL A ANALYSIS

Name: Type:

SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	5/13/2004	Length (m)	Survey Type:	
Field Crew:	Glore/Blatt/Schuetzler	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)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.86
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

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



Mason Conservation District

Site ID:	127S0083	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION GENERAL LOCATION

Road Name: B-500 County: Grays Harbor 1/4 Section: SE Section: 23

Township: 19N
Range: 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Smith Cr 22.0415

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

OWNER

Name: Weyerhaeuser Company
Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.11676

 Longitude:
 -123.51504

 WA state plane south (NAD 27, feet)

East: 1,249,818
North: 664,767

Location / Directions:

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

Site Comments:

Gradient barrier of 37% downstream. Confluence of Smith Creek 60 meters downstream of site. OHW = 0.67 meters.

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
Coho	Brown Trout

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.44
Span/Toe Ratio	1.39

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID:

PI:

127S0084

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

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

POSITIONAL DATA

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

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

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

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

Site Comments:

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

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

Toe Width (m)	3.50
Span/Toe Ratio	1.32

Culvert Comments:

Downstream no defined channel, stream flows into plunge pool then back into main stem. Culvert 1.4 is on left bank and rusted out, beginning to fail.



Mason Conservation District

Site ID:

127S0084

Fish Use:

Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.4
Shape	RND
Material	CST
Span (m)	1.62
Rise (m)	1.65
Length (m)	11.79
Slope (%)	3.03
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	1.10
Tidegate	No

Culvert Comments:

Culvert 2.4 passed level A analysis, but fails due to pipe 1.4 barrier status. Thin sediment through out culvert.



CULVERT DESCRIPTION

Sequencer:	3.4
Shape	RND
Material	CST
Span (m)	2.09
Rise (m)	1.52
Length (m)	10.10
Slope (%)	0.10
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.20
Tidegate	No

Culvert Comments:

Culvert required level B analysis, but fail due to pipe 1.4 barrier status. Second culvert from right bank, upstream end is beveled.



CULVERT DESCRIPTION

Sequencer:	4.4
Shape	SQSH
Material	CST
Span (m)	2.08
Rise (m)	1.12
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.45
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert is a complete barrier upstream end is deformed, not allowing laser measurements to be obtained. 4.4 is located on right bank.



Mason Conservation District

Site ID:

PI:

127S0085

Fish Use:

Unk

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SW
Section:	11
Township:	19N
Range:	07W

WATERBODY

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

POSITIONAL DATA

WGS 84,	decimal	degree
---------	---------	--------

Latitude:	47.14142	
Longitude:	-123.52984	
WA state plane south (NAD 27, feet)		
East:	1,246,481	
North:	673,896	

Location / Directions:

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

Site Comments:

Upstream has some wetland influence and runs in and out subsurface. Downstream channel goes subsurface after 20 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	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	
✓	Coho	Brown Trout	
	Steelhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	2.30	
OHW (m)	0.80	
Max Depth (m)	0.20	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	9.39
Slope (%)	1.63
Bed Material	No
Outfall Drop (m)	0.15
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Stream width measurements not obtainable due to subsurface flows with no defined stream



Mason Conservation District

Site ID:	127S0086	Fish Use:	No
PI:		Barrier:	

C.	ITE	DES	CD	IDT	$1 \cup V$	ı
J		DLS			יוטו	ı

GENERAL LOCATION Road Name: B-line County: Grays Harbor 1/4 Section: SW Section: 11 Township: 19N Range: 07W

WATERBODY

unnamed
Smith Cr 22.0415
22.0000
No
Physical

OWNER

Name:	Weyerhaeuser Company
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.14088	
Longitude:	-123.52851	
WA state plane south (NAD 27, feet)		
East:	1,246,803	
N	672 694	

Location / Directions:

Water crossing is approximately 1.2 mile
southeast of the A-line/B-line junction.

Site Comments:

Stream channel excavated with perennial growth throughout. OHW < 0.6 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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
Toe Width (m)	
Span/Toe Ratio	
opan, roo mano	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.64
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.24
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.25
Tidegate	No



Mason Conservation District

Site ID: **127S0087**

PI:

Fish Use:

No

Barrier:

SITE	DESCRIPTION
O: : E	DECOMMINION

GENERAL LOCATION Road Name: B-line County: Grays Harbor 1/4 Section: SW Section: 11 Township: 19N Range: 07W

POSITIONAL DATA

WGS 84, decimal de	egrees	
Latitude:	47.14077	
Longitude:	-123.52799	
WA state plane south (NAD 27, feet)		
East:	1,246,931	
North:	673,640	
1		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

Water crossing is approximately 1.2 miles southeast of the A-line/B-line junction.

Excavated ditch delivery with perennials growth

throughout channel. OHW < 0.60 meters.

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

PLUNGE POOL DESCRIPTION

Length (m)	1.55
OHW (m)	0.65
Max Depth (m)	0.22
CHANNEL DESCRI	PTION

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:

Toe Width (m) Span/Toe Ratio



Mason Conservation District

Site	ID:	
------	-----	--

PI:

127S0088

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

No

Barrier:

CITE	DESCRIPTION	ı
ᄓ	DESCINIT HON	1

GENERAL LOCATION

B-line Road Name: Grays Harbor County: SW 1/4 Section: Section: 11 19N Township: 07W Range:

POSITIONAL DATA

Location / Directions:

Site Comments:

WGS 84, decimal degrees		
Latitude:	47.13992	
Longitude:	-123.52680	

WA state plane south (NAD 27, feet)

1,247,215 673,318 North:

Water crossing is approximately 1.30 miles southeast of the A-line/B-line junction.

Stream is dry with moss and perennials growing

SP

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

WATERBODY

unnamed
Smith Cr 22.0415
22.0000
No
Physical

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

in channel. OHW < 0.60 meters.

Length (m)	1.45
OHW (m)	1.05
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.63
Rise (m)	0.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0089

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

unnamed

Smith Cr 22.0415

22.0000

Mapped

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.13836
Longitude:	-123.52554
WA state plane south (NAD 27, feet)	

East: 1,247,508 North: 672,739

Location / Directions:

Water crossing is approximately 1.40 miles southeast of the A-line/B-line junction.

Site Comments:

OHW = 0.71 meters.

SPECIES POTENTIAL

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

OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	2.70
OHW (m)	1.55
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	0.78

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.77
Rise (m)	0.77
Length (m)	16.40
Slope (%)	1.31
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.50
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0090

Fish Use:

No

Barrier:

SITE	DESCR	RIPTION
------	-------	---------

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

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.13629	
Longitude:	-123.52408	
WA state plane south (NAD 27, feet)		
East:	1,247,841	
North:	671,972	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

Water crossing is approximately 1.55 miles southeast of the A-line/B-line junction.

Downstream has perennial growth throughout

channel after 20 meters. OHW < 0.60 meters.

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 PLUNGE POOL DESCRIPTION

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

Length (m)	1.40
OHW (m)	0.25
Max Depth (m)	0.80

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.46
0.46
No
0.10
0.00
No
0.75
No



Mason Conservation District

Site ID:

PI:

127S0091

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

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

unnamed

Smith Cr 22.0415

22.0000

Mapped

Weyerhaeuser Company

Private

POSITIONAL DATA MCC 04 desimal de

WGS 84, decimal de	egrees
Latitude:	47.13570
Longitude:	-123.52370

WA state plane south (NAD 27, feet) East: 1,247,927 671,752 North:

Location / Directions:

Water crossing is approximately 1.65 miles southeast of the A-line/B-line junction.

Site Comments:

OHW = 0.95 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
✓ Coho	Brown Trout
Stoolboad	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.91
Span/Toe Ratio	0.84

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.76
Rise (m)	0.76
Length (m)	13.92
Slope (%)	0.88
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	3.75
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0092

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

 Road Name:
 B-line

 County:
 Grays Harbor

 1/4 Section:
 SW

 Section:
 14

 Township:
 19N

 Range:
 07W

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.13088

 Longitude:
 -123.52085

 WA state plane south (NAD 27, feet)

 East:
 1,248,568

 North:
 669,969

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Smith Cr 22.0415

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

Location / Directions:

Site Comments:

OHW = 0.95 meters.

Water crossing is approximately 1.95 miles southeast of the B-line\A-line junction.

SPECIES POTENTIAL

PECIES POTENTIAL		
	Sockeye	✓ Sea Run Cutthroat
	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:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

1.79

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.25
Rise (m)	1.25
Length (m)	13.84
Slope (%)	0.59
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.25
Tidegate	No

Culvert Comments:

Span/Toe Ratio

No plunge pool present, riffle directly out of



Mason Conservation District

Site ID: **127S0093** Fi

Fish Use: No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	B-line
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.13024	
Longitude:	-123.52044	
WA state plane south (NAD 27, feet)		
East:	1,248,662	
North:	669,732	

PI:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:OHW = 0.50 meters.

Nater crossing is approximately 2.0 miles
southeast of the A-line/B-line junction.

SPECIES POTENTIAL

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

OWNER

Review Date:

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

Name:	Michael Kimbrel
Гуре:	Private

5/18/2004 Glore/Blatt

LEVEL A ANALYSIS

SUMMARY INFORMATION 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
PVC
0.92
0.92
No
0.00
0.16
No
2.50
No



Mason Conservation District

Site ID:

PI:

127S0094

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL I	OCATION
------------------	---------

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

unnamed

Smith Cr 22.0415

22.0000

Mapped

POSITIONAL DATA

WGS 84, decimal de	grees
Latitude:	47.12946
Longitude:	-123.52004

WA state plane south (NAD 27, feet)

East: 1,248,751
North: 669,443

Vater crossing is approximately 2.05 m	iles
outheast of the A-line/B-line junction.	

Site Comments:
OHW = 0.65 meters.

Location / Directions:

EVALUATION LEVEL COMPLETED

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
✓	Coho	Brown Trout
	Steelhead	

OWNER

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

Name:	Michael Kimbrel
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	1.20
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.55

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.93
Rise (m)	0.92
Length (m)	12.09
Slope (%)	1.69
Bed Material	No
Outfall Drop (m)	0.15
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.75
Tidegate	No



Site ID:

127S0095

Fish Use: Barrier:

Yes Unk

PI: **Mason Conservation District**

SITE	DESCR	IPTION
------	-------	--------

GENERAL LOCATION

B-line Road Name:

Grays Harbor County: 1/4 Section: SE Section: 14 19N Township: 07W

WATERBODY

Range:

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

OWNER

Michael Kimbrel Name: Private Type:

POSITIONAL DATA

WGS 84, decimal degrees

47.12853 Latitude: -123.51946 Longitude: WA state plane south (NAD 27, feet) 1,248,881 669,097

Location / Directions:

North:

Water crossing is approximately 2.15 miles southeast of the A-line/B-line junction.

Site Comments:

Wetland influence. Downstream channel is excavated. OHW > 0.60 meters.

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
Coho	Brown Trout

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESC	RIPTION
Toe Width (m)	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	9.26
Slope (%)	2.41
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

No plunge pool or toe measurement due to excavated channel downstream with wetland influence. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID: 1

PI:

127S0096

Fish Use:

No

Barrier: Yes

SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION Road Name: B-line County: Grays Harbor 1/4 Section: SE Section: 14 Township: 19N Range: 07W

unnamed

Smith Cr 22.0415

22.0000

Physical

Michael Kimbrel

Private

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.12591 Longitude: -123.51788

WA state plane south (NAD 27, feet)

East: 1,249,239

North: 668,128

Location / Directions:

Water crossing is approximately 2.35 miles southeast of the A-line/B-line junction.

Site Comments:

Ephemeral wetlands with no measurable stream channel. Dry at time of sample.

EVALUATION LEVEL COMPLETED

Report Logged
Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
П	Chinook	Brook Trout

Chinook
Coho

Brown Trout

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

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
PVC
0.47
0.47
9.87
3.68
No
0.00
0.00
No
0.75
No

Culvert Comments:

Wetland is dry with no measurable stream channel.



Mason Conservation District

Site ID:

PI:

127S0097

Fish Use:

No

Barrier:

CIT	re		CC	CR	IDT	101	A
OI I		u	ᆮᇰ	ᅜᅑ	IP I	IUI	N

GENERAL LOCA	RAL LOCATION POSITIONAL DATA		EVALUATION LEVEL COMPLETED			
Road Name:	B-line	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.12416	✓	Field Review	
1/4 Section:	NE	Longitude:	-123.51685		Threshold Determination	
Section:	23	WA state plane sout	h (NAD 27, feet)		Expanded Thr	eshold Determination
Township:	19N	East:	1,249,471		Downstream C	Check
Range:	07W	North:	667,481		Physical Surve	еу
WATERBODY		Location / Direction	ns:	SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is approximately 2.5 miles southeast of the A-line/B-line junction.		3FEGIL	Sockeye	Sea Run Cutthroat
Tributary To:	Smith Cr 22.0415				•	
WRIA:	22.0000				Pink	Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER	-	Moss growing throughout channel which flows into sedge wetland area. OHW < 0.60 meters.			Coho Steelhead	Brown Trout
Name:	Weyerhaeuser Company					

LEVEL A ANALYSIS

Type:

SUMMARY INFORMATION

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

Private

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.40	

1.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.62
0.62
No
0.05
0.01
No
4.00
No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0098

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

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

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.12211
Longitude:	-123.51564
WA state plane south (NAD 27, feet)	
East:	1,249,743
North:	666,722

EVALUATION LEVEL COMPLETED

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

WATERBODY

unnamed
Smith Cr 22.0415
22.0000
Yes
Biolgical

Location / Directions:

Site Comments:

= 0.90 meters.

Water crossing is approximately 2.65 miles southeast of the A-line/B-line junction.

Observed coho fry chasing insect hatch. OHW

SPECIES POTENTIAL

PECIES POTENTIA	\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:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	3.85	
OHW (m)	2.30	
Max Depth (m)	0.42	
CHANNEL DESCRIPTION		
Toe Width (m)	0.60	

1.58

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.95
0.95
18.36
1.01
No
0.00
0.09
No
4.00
No

Culvert Comments:

Span/Toe Ratio

Culvert rechecked for slope and was found that it was greater than 1 percent.



14

Mason Conservation District

Site ID:

PI:

127S0099

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION **GENERAL LOCATION**

Road Name:	B-800
County:	Grays Harbor
1/4 Section:	SE

19N Township: 07W Range:

WATERBODY

Section:

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

OWNER

Name:	Michael Kimbrel
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees

47.12920 Latitude: -123.51912 Longitude:

WA state plane south (NAD 27, feet) 1,248,977

669,338 North:

Location / Directions:

Water crossing is approximately 50 meters northeast of the B-line/B-800 junction.

Site Comments:

Habitat at site is a marsh wetland. OHW = 0.85 meters.

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Sockeye	
D: 1	

Pink Chum

Chinook

Coho

$\overline{}$	
	Steelhead

_			
/	Sea	Run	Cutthroat

✓ Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

5/18/2004
Glore/Blatt
Yes
67
LA
UD
outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	4.15
OHW (m)	1.70
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.61
0.61
11.98
0.21
No
0.30
0.00
No
1.75
No

Culvert Comments:

Not able to obtain toe due to wetland influences.



Mason Conservation District

Site ID: 127S0100 Fish Use: PI:

No

Barrier:

SITE	DESCRIPTION
O	DECCINI HON

GENERAL LOCATION	
Road Name:	B-810 spur
County:	Grays Harbor
1/4 Section:	SE
Section:	14
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.13222	
Longitude:	-123.51183	
WA state plane south (NAD 27, feet)		
East:	1,250,832	
North:	670,370	
Landa (Branda)		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments: OHW = 0.20 meters.

From B Line, travel northeast on B-800 for 0.30 miles, then turn east onto the B-810 spur and travel 0.15 miles to culvert.

SPECIES POTENTIAL

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

OWNER

Name:	Michael Kimbrel
Гуре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	1.40	
OHW (m)	1.15	
Max Depth (m)	0.20	
CHANNEL DESCRIPTION		
Toe Width (m)		
Snan/Toe Ratio		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.64
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert is rusted out on downstream end causing it to not function properly.



Mason Conservation District

Site ID: 127S0101 Fish Use: PI: Barrier:

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	B-810 spur
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	19N
Range:	07W

WATERBODY

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	Weyerhaeuser Company
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.13175	
Longitude:	-123.50459	
WA state plane south (NAD 27, feet)		
East:	1,252,626	
North:	670,131	

Location / Directions:

From B Line travel 0.30 miles northeast on the B-800, then turn east onto the B-810 . Travel 0.55 miles, turn south onto spur were culvert is approximately 150 meters down road.

Site Comments:

OHW = 0.30 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

No

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:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.40
Rise (m)	0.40
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.20
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0102

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION GENERAL LOCATION

Road Name:	B-800
County:	Grays Harbor
1/4 Section:	NE
Section:	10

ownship:	19N
Range:	07W

WATERBODY

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees

Latitude:	47.13253
Longitude:	-123.51545
WA state plane south (NAD 27, feet)	
East:	1,249,936

670,517

Location / Directions:

North:

Water crossing is approximately 0.35 miles northeast of the B-Line/B-810 junction.

Site Comments:

Downstream has abundant LWD in channel causing in and out subsurface flows. OHW = 0.75 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

FECILS FO	ILIVIIAL	
Soci	keye	✓ Sea Run Cutthroa
Pink		✓ Resident Trout
Chu	m	Dolly/Bull Trout
Chir	ook	Brook Trout
✓ Coh	0	Brown Trout
Stee	lhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	1.05
Max Depth (m)	0.28

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	1.91

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.24
Rise (m)	1.24
Length (m)	11.15
Slope (%)	0.51
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Upstream end of culvert is beveled.



Mason Conservation District

Site ID: 127S0103

PI:

Fish Use: No

Barrier:

SITE	DESCRIPTION
	DEGCIVII LIGIA

47.13903 -123.51353 D 27, feet) 1,250,502 672,869		Report Logged Field Review Threshold Dete Expanded Thre Downstream Cl Physical Survey ES POTENTIAL Sockeye	rmination shold Determination heck
-123.51353 D 27, feet) 1,250,502 672,869 mately 50 meters eas	SPECI	Threshold Dete Expanded Thre Downstream Cl Physical Survey	shold Determination neck
D 27, feet) 1,250,502 672,869 mately 50 meters eas		Expanded Thre Downstream Cl Physical Survey ES POTENTIAL	shold Determination neck
1,250,502 672,869 mately 50 meters eas		Downstream Cl Physical Surve	heck /
672,869 mately 50 meters eas		Physical Surve	,
mately 50 meters eas		ES POTENTIAL	_
			Con Dun Comband
			O D O-#b
		OUCINCYC	
of the B-800/B-850 junction.		Pink	Resident Trout
		Chum	Dolly/Bull Trout
Site Comments:		Chinook	Brook Trout
el. OHW < 0.60		Coho Steelhead	Brown Trout
			Steelhead

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	5/18/2004	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			3 (* 1)	
Repair Status		Toe Width (m)		
Problem		Span/Toe Ratio		

CULVERT DESCRIPTION

CULVERT DESC	RIPTION
Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0104

Fish Use:

: No

Barrier:

SIT	ΓF	ח	F	SC	RI	PΤ	ΠI	a	٨
J	_	\boldsymbol{L}	_	J	ıvı			u	

GENERAL LOCATION				
Road Name:	B-880			
County:	Grays Harbor			
1/4 Section:	NW			
Section:	11			
Township:	19N			
Range:	07W			

POSITIONAL DATA

WGS 84, decimal degrees				
Latitude:	47.15040			
Longitude:	-123.52129			
WA state plane south (NAD 27, feet)				
East:	1,248,733			
North:	677,086			

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

From B-line travel 0.45 of a mile to 4-way intersection, turn northwest onto the B-880, then travel 0.75 miles to culvert.

No stream bed visible with perennials growing

in drainage. OHW = 0.30 meters.

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 PLUNGE POOL DESCRIPTION

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

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

CHANNEL DESCRIPTION

Toe Width (m)	0.30
Span/Toe Ratio	1.57

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0105

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-920 loop
County:	Grays Harbor
1/4 Section:	NW
Section:	11
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.14745	
Longitude:	-123.52596	
WA state plane south (NAD 27, feet)		

East:	1,247,530
North:	676,055

EVALUATION LEVEL COMPLETEDReport Logged

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

WATERBODY

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

Location / Directions:

Site Comments:OHW = 0.65 meters.

From B-line travel north on the B-900 for 0.40 miles, turn northeast onto the B-910 loop. Culvert is approximately 0.10 miles from the B-line/B-910 junction.

SPECIES POTENTIAL

	Sockeye	✓ Sea Run Cutthroat
	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:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

	4.70	
Length (m)	1.70	
OHW (m)	0.91	
OHW (III)	0.91	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		
Toe Width (m)	0.40	

1.23

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.46
Length (m)	9.35
Slope (%)	1.60
Bed Material	No
Outfall Drop (m)	0.42
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

47.14983

127S0106

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check Physical Survey

Expanded Threshold Determination

Field Review

Fish Use: Barrier:

Yes

No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-900
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84,	decimal	degree
Latitudo:		

Location / Directions:

OHW = 1.60 meters.

Longitude:	-123.53253
MA state plane south	h (NIAD 07 foot)

WA state plane south (NAD 21, leet)	
East:	1,245,929
North:	676,986

Water crossing is approximately 0.75 miles

north of the B-line/B-900 junction.

SPECIES P	OTENTIAL	
Sc	ockeye	✓ Sea Run Cutthroat
Pi	nk	✓ Resident Trout
Ch	num	Dolly/Bull Trout
Ch	ninook	Brook Trout
Co	nho	Brown Trout

WATERBODY

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

Site Comments:

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.55
OHW (m)	2.25
Max Depth (m)	0.24

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	1.31

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CAL
Span (m)	2.10
Rise (m)	1.61
Length (m)	14.13
Slope (%)	0.00
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert seems to be recently replaced.



Mason Conservation District

Site ID:

PI:

127S0107

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: B-950 County: Grays Harbor 1/4 Section: NE Section: 10 Township: 19N Range: 07W

POSITIONAL DATA

Location / Directions:

miles to culvert.

Site Comments:

OHW = 1.0 meters.

WGS 84, decimal degrees	
Latitude:	47.15151
Longitude:	-123.53800

WA state plane south (NAD 27, feet)

East: 1,244,594
North: 677,650

From B Line follow the B-900 for 0.90 miles, turn southeast onto spur and travel 0.15 miles to T intersection, turn northwest and travel 0.15

SPECIES POTENTIAL

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

WATERBODY

Stream:	unnamed
Tributary To:	Smith Cr 22.0415
WRIA:	22.0416
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/18/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

CHANNEL DESCRI	PTION
Max Depth (m)	
OHW (m)	
Length (m)	
Langth (m)	

Toe Width (m)	0.90
Span/Toe Ratio	1.01

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)	0.91
Rise (m)	0.91
Length (m)	14.08
Slope (%)	0.31
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

No plunge pool measurement, stream riffles directly out of culvert.



Mason Conservation District

Site ID:

PI:

127S0108

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

	D 000
Road Name:	B-900
County:	Grays Harbor
1/4 Section:	NW

 Section:
 11

 Township:
 19N

Township: 19N
Range: 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Smith Cr 22.0415

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Biolgical

OWNER

Name: Weyerhaeuser Company
Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.14613 Longitude: -123.52795

WA state plane south (NAD 27, feet)

East: 1,247,016

North: 675,593

Location / Directions:

Water crossing is approximately 0.45 miles north of the B-line/B-900 junction.

Site Comments:

Juvenile coho were observed at site. OHW = 1.75 meters.

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

Brook Frout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

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

PLUNGE POOL DESCRIPTION

Length (m)	6.75
OHW (m)	1.60
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	3.08

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	8.88
Slope (%)	0.64
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Plunge pool measurements are different than culvert 2.2. Culvert 1.2 is on left bank.



Mason Conservation District

Site ID: PI:

127S0108

Fish Use:

Yes Yes

Barrier:

CULVERT DESCRIPTION

2.2
RND
PVC
0.93
0.93
10.21
2.18
No
0.00
0.20
No
1.50
No

Culvert Comments:

Culvert 2.2 is on right bank.



Mason Conservation District

Site ID:

PI:

127S0109

Fish Use:

Yes

Barrier: Unk

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Report Logged

Field Review

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-800
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	19N
Range:	07W

POSITIONAL DATA

WCC 04 desired degrees

Location / Directions:

WGS 84, decimal degrees	
Latitude:	47.14405
Longitude:	-123.51618

WA state plane south (NAD 27, feet)

1,249,914 674,722 North:

Water crossing is approximately 0.65 miles

dam in upstream end of culvert affecting flow

northeast of the B-800/B-line junction.

SI

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

WATERBODY

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0419
Fish Use:	Yes
FUP Criteria:	Mapped

Site Comments: Wetlands with large pond upstream. Beaver

OWNER

Name:	Weyerhaeuser Company
Type:	Private

PLUNGE POOL DESCRIPTION

and passibility.

Length (m)	13.20	
OHW (m)	7.25	
Max Depth (m)	1.00	
CHANNEL DESCRIPTION		
Toe Width (m)		

POTENTIAL HABITAT GAIN

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

SUMMARY INFORMATION

LEVEL A ANALYSIS

Review Date:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

CULVERT DESCRIPTION

•	1.1
Sequencer:	1.1
Shape	SQSH
Material	CAL
Span (m)	2.50
Rise (m)	1.74
Length (m)	12.47
Slope (%)	1.87
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.24
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Thin layer of fine sediments materials through length of culvert. Beaver dam on upstream end of culvert limiting passability to near zero.



Mason Conservation District

Site ID:

PI:

127S0110

Fish Use:

No

Barrier:

SIT	ΓF	DF	SC	RΙ	PT	ON
J	_	$\boldsymbol{\nu}$ L				U

GENERAL LOCATION		
Road Name:	B-891	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	11	
Township:	19N	

07W

WATERBODY

Range:

Stream:	unnamed
Tributary To:	unnamed 22.0419
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Cor
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.14487	
Longitude:	-123.51588	
WA state plane south (NAD 27, feet)		
East:	1,250,001	

675,020

Location / Directions:

North:

Water crossing is approximately 65 meters north of the B-800/B-891 junction.

Site Comments:

Perennial vegetation through channel 5 meters downstream of culvert. OHW = 0.50 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.60	
OHW (m)	0.50	
Max Depth (m)	0.20	
CHANNEL DESCRIPTION		

Toe Width (m)	0.39
Span/Toe Ratio	1.56

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.16
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0111

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**

B-890 Road Name:

Grays Harbor County: 1/4 Section: SE Section: 11 19N Township: 07W

unnamed

MF Satsop 22.0414

22.0000

Yes

Mapped

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

of the B-890/B-800 junction.

47.14361 Latitude: -123.51238 Longitude: WA state plane south (NAD 27, feet) 1,250,852 674,528 North:

Water crossing is approximately 0.20 miles east

ECIE	3 POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout

Brown Trout

Coho

Steelhead

OWNER

Fish Use:

FUP Criteria:

Range:

Stream:

WRIA:

WATERBODY

Tributary To:

en Diamond Resource Comp Name: Private Type:

Site Comments:

Confluence with large wetland 20 meters downstream. OHW = 0.84 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	7.25
OHW (m)	4.15
Max Depth (m)	0.66

CHANNEL DESCRIPTION

Toe Width (m)	0.36
Span/Toe Ratio	1.69

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	9.34
Slope (%)	0.95
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.18
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Nice rearing habitat upstream with some beaver ponds. Culvert 1.2 is located on left bank.



Mason Conservation District

Site ID:

PI:

127S0111

Fish Use:

Yes

Barrier: No

CULVERT DESCRIPTION

2.2
RND
CST
0.91
0.91
9.03
-0.66
Yes
0.00
0.35
No
1.00
No

Culvert Comments:

Bottom of pipe is rusted out for 0.60 meters on downstream end. Culvert is starting to fail and needs to be replaced.



Mason Conservation District

Site ID: 12

PI:

127S0112

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-890
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude: 47.14011			
Longitude:	-123.50579		
WA state plane south (NAD 27, feet)			
East:	1,252,443		
North:	673,190		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0419
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

Water crossing is approximately 0.60 miles southeast of the B-800/B-890 junction.

Confluence with large wetlands 20 meters

downstream. OHW = 0.65 meters.

SPECIES POTENTIAL

FECILS FOIL	IIIAL
Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
✓ Coho	Brown Trout
Steelhea	nd

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004		
Field Crew:	Glore/Blatt		
Barrier	Yes		
Passability (%)	33		
Method	LA		
Repair Status	UD		
Problem	outfall drop, slope		

PLUNGE POOL DESCRIPTION

Length (m)	1.70
OHW (m)	1.45
Max Depth (m)	0.48
CHANNEL DESCRIPTION	

0.35

1.37

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.48
Length (m)	12.11
Slope (%)	1.42
Bed Material	No
Outfall Drop (m)	0.31
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Debris clogging upstream end of pipe.



Mason Conservation District

Site ID:

PI:

127S0113

Fish Use:

No

Barrier:

SITE	DESCR	IPTI	10
------	-------	------	----

GENERAL LOCATION		
Road Name:	B-890	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	13	
Township:	19N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.13616	
Longitude:	-123.50011	
WA state plane south (NAD 27, feet)		
East:	1,253,802	
North:	671,695	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0419
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments: OHW < 0.60 meters.

Water crossing is approximately 1.0 mile southeast of the B-800/B-890 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 PLUNG

Review Date:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.86	
OHW (m)	1.94	
Max Depth (m)	0.25	
CHANNEL DESCRIPTION		

0.10

4.60

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	0.46
Rise (m)	0.25
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.02
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.75
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Culvert and stream dry at time of survey.



Mason Conservation District

Site ID: 127S0114 Fish Use: No PI: Barrier:

SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged B-893 WGS 84, decimal degrees Road Name: Grays Harbor 47.16062 **~** Field Review Latitude: County: Threshold Determination -123.51565 Longitude: 1/4 Section: SE **Expanded Threshold Determination** Section: 2 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,250,277 07W Physical Survey Range: 680,758 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 1.75 miles Sockeye Sea Run Cutthroat Tributary To: unnamed 22.0419 southeast of the Cougar Smith Rd/B-893 Pink Resident Trout iunction. WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW < 0.60 meters. **OWNER** Steelhead en Diamond Resource Comp Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 5/19/2004 Length (m) 2.15 Survey Type: Glore/Blatt Field Crew: 3.05 Length (m): OHW (m) Barrier 0.33 Max Depth (m) Spawning (sq m)

CULVERT DESCRIPTION

Passability (%)

Repair Status

Method

Problem

1.1
RND
CST
0.38
0.38
Yes
0.00
0.00
No
3.50
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION

Perennial vegetation through undefined stream channel.



Rearing (sq m)

Mason Conservation District

Site ID:

PI:

127S0115

Fish Use:

No

Barrier:

SITE DESCRIPTION	١
GENERAL LOCATION	

Road Name: B-893 County: Grays Harbor 1/4 Section: NE Section: 2 Township: 19N

07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.16286	
Longitude:	-123.52015	
WA state plane south (NAD 27, feet)		
East:	1,249,189	
North:	681,616	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	unnamed 22.0419
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 1.50 miles southeast of the Cougar Smith Rd/B-893 junction.

Small wetland upstream of site. OHW = 0.50

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.63	
OHW (m)	1.83	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		
Toe Width (m)	0.50	

0.92

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.82
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Toe and OHW estimated to be 0.50 meters.



Mason Conservation District

Site ID:

PI:

127S0116

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Road Name:	B-893
County:	Grays Harbor
1/4 Section:	NE
Section:	2
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.16189	
Longitude:	-123.52000	
WA state plane south (NAD 27, feet)		
East:	1,249,213	
North:	681,263	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0419
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

surrounding tributary.

Water crossing is approximately 1.55 miles southeast of the Cougar Smith Rd/B-893 junction.

Small spring/seep upstream with reprod

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:	5/19/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.07	
OHW (m)	1.12	
Max Depth (m)	0.49	
CHANNEL DESCRIPTION		

0.23

2.00

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.57
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0117

Fish Use:

se: Yes

Barrier: No

SITE DESCRIPTION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

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

unnamed

Smith Cr 22.0415

22.0000

Yes

Physical

Weyerhaeuser Company

Private

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.11383	
Longitude:	-123.51151	

WA state plane south (NAD 27, feet)

East: 1,250,656

North: 663,666

Location / Directions:

Water crossing is approximately 0.15 miles southeast of the Smith Cr bridge on the B-line.

Site Comments:

Stream bed is clay with some larger coble and abundant LWD. OHW = 1.45 meters.

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

LCIL	SPOILNIAL	
	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:	5/20/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	1.15
Span/Toe Ratio	1.08

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.24
Rise (m)	1.26
Length (m)	17.83
Slope (%)	-0.22
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Stream bed throughout 80% of the culvert, material is coble and gravel.



Mason Conservation District

Site ID: 127S0118 Fish Use: No PI: Barrier:

SITE DESCRIPTION

GENERAL LOCATION B-line Road Name: Grays Harbor County: SE 1/4 Section: Section: 23 19N Township:

07W

Range: WATERBODY

unnamed
Smith Cr 22.0415
22.0000
No
Physical

OWNER

Name:	Weyerhaeuser Company
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.11208	
Longitude:	-123.51021	
WA state plane south (NAD 27, feet)		
East:	1,250,954	
North:	663,015	

Location / Directions:

Water crossing is approximately 0.30 miles southeast of the Smith Cr bridge.

Site Comments:

Non fish barring do to gradient barrier downstream of site. 65% slope and approximately 40 meters to confluence with Smith Creek.

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/20/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.90	
OHW (m)	0.60	
Max Depth (m)	0.16	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.36
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Unable to obtain stream width measurements due to downstream subsurface flows.



Mason Conservation District

Site ID:	127S0119	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOC	ATION	POSITIONAL DATA	EVALUATION LEVEL COMPLETED
GENERAL LOCA Road Name: County: 1/4 Section: Section: Township: Range:	### ATION B-line Grays Harbor NE 26 19N 07W	POSITIONAL DATA WGS 84, decimal degrees Latitude: 47.10855 Longitude: -123.51012 WA state plane south (NAD 27, feet) East: 1,250,926 North: 661,726	EVALUATION LEVEL COMPLETED Report Logged Field Review Threshold Determination Expanded Threshold Determination Downstream Check Physical Survey
WATERBODY Stream: Tributary To: WRIA: Fish Use: FUP Criteria: OWNER Name: Type:	unnamed Smith Cr 22.0415 22.0000 No Physical Weyerhaeuser Company Private	Location / Directions: Water crossing is approximately 0.55 miles southeast of the Smith Cr bridge. Site Comments: Upstream water source is a spring/seep. OHW = 0.15 meters.	SPECIES POTENTIAL Sockeye Sea Run Cutthroat Pink Resident Trout Dolly/Bull Trout Steelhead Sea Run Cutthroat Resident Trout
SUMMARY INFO		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN
Review Date: Field Crew: Barrier Passability (%) Method Repair Status Problem	5/20/2004 Glore/Blatt	Length (m) OHW (m) Max Depth (m) CHANNEL DESCRIPTION Toe Width (m) Span/Toe Ratio	Survey Type: Length (m): Spawning (sq m) Rearing (sq m)

CULVERT DESCRIPTION

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

Culvert Comments:

Culvert has a silt skirt for erosion control on downstream end of pipe.



Mason Conservation District

Site ID:

PI:

127S0120

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	B-line
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.10457	
Longitude:	-123.50623	
WA state plane south (NAD 27, feet)		
East:	1,251,841	

660,238

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Water crossing is approximately 0.90 miles southeast of the Smith Cr Bridge.

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

Site Comments:

North:

High quality stream habitat with abundant pools and riffles. OHW = 2.75 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/20/2004				
Field Crew:	Glore/Blatt				
Barrier	Yes				
Passability (%)	33				
Method	LA				
Repair Status	UD				
Problem	slope				

PLUNGE POOL DESCRIPTION

Length (m)	5.80			
OHW (m)	2.90			
Max Depth (m)	0.35			
CHANNEL DESCRIPTION				

1.60

0.84

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

OCEVERY DECORM TION				
1.1				
RND				
CAL				
1.34				
1.26				
15.28				
2.85				
No				
0.20				
0.03				
No				
2.50				
No				

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID: 127S0121		Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA	E	VALUATI	ION LEVEL COMPLETED
Road Name:	B-line	WGS 84, decimal degrees		R	eport Logged
County:	Grays Harbor	Latitude:	47.10345	✓ Fi	ield Review
1/4 Section:	SW	Longitude: -	123.50567	TI	hreshold Determination
Section:	25	WA state plane south (NAD 2	7, feet)	E	xpanded Threshold Determination
Township:	19N	East:	1,251,963	D	ownstream Check
Range:	07W	North:	659,826	P	hysical Survey
WATERBODY		Location / Directions:	e	DECIES I	POTENTIAL
Stream:	unnamed	Water crossing is approximate			<u> </u>
Γributary To:	Smith Cr 22.0415	southeast of the Smith Cr Brid			, <u></u>
WRIA:	22.0000			\Box	ink Resident Trout thum Dolly/Bull Trout
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			
OWNER		Stream channel has perennial throughout. OHW < 0.60 met			teelhead Brown Trout
Name:	Weyerhaeuser Company				
Гуре:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	PRMATION	PLUNGE POOL DESCRIPTION	ON P	POTENTIA	AL HABITAT GAIN
Review Date:	5/20/2004	Length (m)	S	Survey Typ	pe:
Field Crew:	Glore/Blatt	OHW (m)	L	ength (m)	:
Barrier		Max Depth (m)	S	Spawning ((sa m)
assability (%)				Rearing (so	` ' '
Method		CHANNEL DESCRIPTION		rearing (St	4 '''/
Repair Status		Toe Width (m)			
		Span/Toe Ratio			

CULVERT DESCRIPTION

1.1
RND
PCC
0.61
0.61
No
0.00
0.00
No
1.00
No

Culvert Comments:

No measurable stream width available.



Mason Conservation District

Site ID: **127S0122** Fish Use: PI: Barrier:

Rearing (sq m)

No

SITE DESCRIPTION

OITE DEGG	11014				
GENERAL LOC	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	B-line	WGS 84, decimal deg	grees		Report Logged
County:	Grays Harbor	Latitude:	47.10017	✓	Field Review
1/4 Section:	SW	Longitude:	-123.50448		Threshold Determination
Section:	25	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination
Township:	19N	East:	1,252,214		Downstream Check
Range:	07W	North:	658,620		Physical Survey
WATERBODY		Location / Directions	s:	QDEC1	ES POTENTIAL
Stream:	unnamed	Water crossing is app	proximately 1.30 miles	3FECIE	Sockeye Sea Run Cutthroat
Tributary To:	Smith Cr 22.0415	southeast of the Smith			· <u></u>
WRIA:	22.0000				
Fish Use:	No				Chum Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		Excavated channel, p throughout. OHW < 0			Coho Brown Trout Steelhead
Name:	Weyerhaeuser Company			_	
Type:	Private				
LEVEL A AN	IALYSIS				
SUMMARY INF	ORMATION	PLUNGE POOL DES	CRIPTION	POTEN	ITIAL HABITAT GAIN
Review Date:	5/20/2004	Length (m)		Survey	Type:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawni	ng (sq m)
				- CPSWIII	··· · · · · · · · · · · · · · ·

CULVERT DESCRIPTION

Passability (%)

Repair Status

Method

Problem

COLVERT DECORAL TION				
Sequencer:	1.1			
Shape	RND			
Material	PVC			
Span (m)	0.46			
Rise (m)	0.46			
Length (m)				
Slope (%)				
Bed Material	No			
Outfall Drop (m)	0.00			
WDIC (m)	0.00			
Apron	No			
Fill Depth (m)	0.50			
Tidegate	No			

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Mason Conservation District

Site ID:

PI:

47.09662

127S0123

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:	B-100
County:	Grays Harbor
1/4 Section:	NW
Section:	36
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal de	grees
Latitude:	

Location / Directions:

Site Comments:

Longitude:	-123.50883
WA state plane south (NAD 27 feet)	

With State plane South (14/10 21, 100t)	
East:	1,251,082
North:	657,367

Water crossing is approximately 0.10 miles southeast of the B-line/B-100 junction.

SP

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

WATERBODY

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/20/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.70
OHW (m)	1.95
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.98

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.08
1.08
18.19
6.64
No
0.31
0.03
No
3.50
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0124

Fish Use:

No

Barrier:

SITE	DESCR	IPTION

POSITIONAL DATA **EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged G-1100 WGS 84, decimal degrees Road Name: Grays Harbor 47.07372 Field Review County: Latitude: Threshold Determination -123.53598 1/4 Section: SE Longitude: **Expanded Threshold Determination** Section: 3 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,244,005 07W Physical Survey Range: 649,280 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.40 miles Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 southwest of the G-line/G-1100 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Angled extension on downstream end. OHW = OWNER 0.40 meters. Steelhead Weyerhaeuser Company Name:

LEVEL A ANALYSIS

Type:

SUMMARY INFORMATION

Review Date:	5/20/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Private

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.40	

1.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.25
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Downstream has culvert extension off hillside. Stream width taken upstream.



WRIA 22 Fish Passage Inventory Site ID: 127S0125 Fish Use: Yes PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** G-1100 WGS 84, decimal degrees Report Logged Road Name: Grays Harbor 47.06154 **~** Field Review Latitude: County: Threshold Determination -123.54191 NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 10 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,242,356 07W Physical Survey 644,899 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 110 meters Sockeye ✓ Sea Run Cutthroat Tributary To: WF Satsop 22.0364 downstream of site 127S0051. Approximately Pink Resident Trout 1.60 miles southwest of the G-line/G-1100 WRIA: 22.0000 junction. **V** Chum Dolly/Bull Trout Fish Use: Yes **Brook Trout V** Chinook Site Comments: FUP Criteria: Biolgical Brown Trout **V** Coho Wet crossing connects driveway to pasture. OWNER Steelhead **V** John & Melanie Homchick Name: 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:

642,032

127S0126

Fish Use:

Unk

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	G-line
County:	Grays Harbor
1/4 Section:	SW
Section:	11
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.05419	
Longitude:	-123.52249	
WA state plane south (NAD 27, feet)		
East:	1,247,091	

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
WF Satsop 22.0364
22.0000
Unk
Physical

Location / Directions:

Site Comments:

private property.

North:

Water crossing is approximately 0.50 miles west of the G-line/Middle Satsop Rd junction.

Fences upstream and downstream preventing

access to pipe. Unable to access culvert on

SPECIES POTENTIAL

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

OWNER

Name:	Dolores Cavanaugh Trust
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	17.19
Slope (%)	3.99
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Accurate outfall drop, plunge pool, and toe measurements unavailable due to fences at both ends of culvert.

ALL AND ADDRESS OF THE PARTY OF			
And the second			
	W	X	

Mason Conservation District

Site ID: **127S0127**

Fish Use: No

Barrier:

SITE	DESCR	IPTION

GENERAL LOCATION		
Road Name:	G-1200 spur	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	2	
Township:	18N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.07368	
Longitude:	-123.51645	
WA state plane south (NAD 27, feet)		
East:	1,248,867	
North:	649,078	

PI:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0408
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 200 meters northeast of the G-1200 on spur. Spur is approximately 0.80 miles southeast of the G-line/G-1200 junction.

Site Comments:

OHW < 0.60 meters.

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
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)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0128

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use: Barrier:

Unk Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	G-line
County:	Grays Harbor
1/4 Section:	SE
Section:	11
Township:	18N
Range:	07W

POSITIONAL DATA

North:

WGS 84, decimal degrees

Location / Directions:

47.05419 Latitude: -123.52037 Longitude: WA state plane south (NAD 27, feet) 1,247,617

Water crossing is approximately 0.35 miles

west of the G-line/Middle Satsop Rd junction.

642,014

SF

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

WATERBODY

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

Site Comments:

OWNER

Name:	Dolores Cavanaugh Trust
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Fences at both ends of culvert.

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
CHANNEL DESCRI	PTION

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)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Accurate toe, OHW, plunge pool measurements not available due to fences at both ends of pipe. Unable to access ends of pipe, unable to complete Level A.



Mason Conservation District

Site ID: PI: 127S0129

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

Road Name:	A-5000
County:	Grays Harbor
1/4 Section:	NE
Section:	20
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.12505
Longitude:	-123.58154
WA state plane south (NAD 27, feet)	
East:	1,233,391

668,426

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.50 miles north beyond the end of the A-5000.

Juvenile coho upstream and downstream.

SPECIES POTENTIAL

CUIE	3 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:	5/25/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.90
OHW (m)	2.15
Max Depth (m)	0.31
CHANNEL DESCRI	PTION
Toe Width (m)	1.35

0.96

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.29
Rise (m)	0.86
Length (m)	8.86
Slope (%)	2.22
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

47.13323

127S0130

Fish Use:

No

Barrier:

SITE			

GENERAL LOCATION		
Road Name:		Δ-405

Road Name:	A-4050 spur
County:	Grays Harbor
1/4 Section:	NE
Section:	16
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees
Latitude:

 Longitude:
 -123.55390

 WA state plane south (NAD 27, feet)

 East:
 1,240,381

 North:
 671,140

EVALUATION LEVEL COMPLETED Report Logged

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0372
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.15 miles southwest of the A-4000/A-4050 junction.

Site Comments:

OHW = 0.2 meters.

SPECIES POTENTIAL

Sea Run Cutthroa
Resident Trout
Dolly/Bull Trout
Brook Trout
Brown Trout

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/26/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.08
OHW (m)	0.97
Max Depth (m)	0.21
CHANNEL DESCRIPTION	

0.21

2.24

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.47
0.47
No
0.00
0.03
No
0.75
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:	127S0131	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED Report Logged Road Name: A-3210 WGS 84, decimal degrees Grays Harbor 47.12119 Field Review County: Latitude: Threshold Determination -123.54076 NWLongitude: 1/4 Section: **Expanded Threshold Determination** Section: 22 WA state plane south (NAD 27, feet) Downstream Check 19N Township: 1,243,481 07W Physical Survey Range: 666,628 North: WATERBODY Location / Directions: SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.20 miles Sockeye Sea Run Cutthroat Tributary To: unnamed 22.0373 northwest of the A-3210/A-3200 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 = 0.4 meters. OWNER Steelhead Weyerhaeuser Company Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/26/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.83	
OHW (m)	0.80	
Max Depth (m)	0.10	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.66
Rise (m)	0.66
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.52
WDIC (m)	0.01
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Angled extension on downstream end.



Mason Conservation District

Site ID: 127S0132 Fish Use: PI: Barrier:

No

GENERAL LOCATION A-3200 Road Name: Grays Harbor County: ΝE 1/4 Section: Section: 22 19N Township: 07W

unnamed

unnamed 22.0373

22.0000

Physical

Weyerhaeuser Company

Private

WGS 84, decimal degrees Latitude: 47.12005 -123.53711 Longitude:

WA state plane south (NAD 27, feet) 1,244,373 666,175 North:

Location / Directions:

POSITIONAL DATA

Water crossing is located at the A-3200/A-3210 junction.

Site Comments:

Poorly defined channel, OHW < 0.6 meters.

ı	E	۷	Α	L	U	Α	ı	I)	N	L	Ц	E	٧	E	L	(از	O	IV	IF	L	Ŀ	ı	E	L

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

SUMMARY INFORMATION

Review Date:	5/26/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.49
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.21
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID: 127S0133 Fish Use: No PI: Barrier:

_	 _	_	 _	 	_	

SITE DESCRI	IPTION								
GENERAL LOCA	TION	POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED				
Road Name:	A-3200	WGS 84, decimal dec	grees		Report Logged				
County:	Grays Harbor	Latitude:	47.10573	✓	Field Review				
1/4 Section:	NW	Longitude:	-123.54998		Threshold Determination				
Section:	27	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination				
Township:	19N	East:	1,240,970		Downstream Check				
Range:	07W	North:	661,082		Physical Survey				
WATERBODY		Location / Directions	s:	SDECIE	ES POTENTIAL				
Stream:	unnamed	Water crossing is app	roximately 1.75 miles		Sockeye Sea Run Cutthroat				
Tributary To:	unnamed 22.0371	southwest of the A-lin			Pink Resident Trout				
WRIA:	22.0000				Chum Dolly/Bull Trout				
Fish Use:	No	0.11			Chinook Brook Trout				
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout				
OWNER		OHW = 0.3 meters.			Steelhead				
Name:	Weyerhaeuser Company								
Type:	Private								
LEVEL A ANA	ALYSIS								
SUMMARY INFO	RMATION	PLUNGE POOL DES	CRIPTION	POTENTIAL HABITAT GAIN					
Review Date:	5/26/2004	Length (m)		Survey ⁻	Туре:				
Field Crew:	Glore/Blatt	OHW (m)		Length ((m):				
Barrier		Max Depth (m)		Spawnir	ng (sq m)				
Passability (%)		CHANNEL DESCRIP	TION	Rearing	(sa m)				
Method		-	11014	ı todililg					
Repair Status		Toe Width (m)							
Problem		Span/Toe Ratio							

CULVERT DESCRIPTION

1.1
RND
PVC
0.48
0.48
No
0.24
0.01
No
1.00
No

Culvert Comments:

Angled extension on downstream end.



Mason Conservation District

Site ID: 127S0134 Fish Use: PI:

Barrier:

No

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	A-line	WGS 84, decimal de	grees		Report Logged	d
County:	Grays Harbor	Latitude:	47.10586	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.52168		Threshold Det	termination
Section:	26	WA state plane soutl	h (NAD 27, feet)		Expanded Thr	eshold Determination
Township:	19N	East:	1,248,012		Downstream (Check
Range:	07W	North:	660,858		Physical Surve	еу
WATERBODY		Location / Direction	is:	SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately immediately		Sockeye	Sea Run Cutthroat
Tributary To:	MF Satsop 220414	north of the A-line/A-			Pink	
WRIA:	22.0000					Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER	1 11,510011	Poorly defined chann	nel, OHW < 0.6 meters.		Coho	Brown Trout
					Steelhead	
Name:	Weyerhaeuser Company					
Type:	Private					

LEVEL A ANALYSIS

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	
Review Date:	5/26/2004	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	PVC
Span (m)	0.66
Rise (m)	0.66
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.97
WDIC (m)	0.01
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Angled extension downstream, overflow pipes on both banks.



Mason Conservation District

Site ID:

PI:

127S0135

Fish Use:

No

Barrier:

O.T.	DECODI	DT1011
SILE	DESCRI	PHON

GENERAL LOCATION		
Road Name:	A-1000	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	36	
Township:	19N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.08826	
Longitude:	-123.50882	
WA state plane south (NAD 27, feet)		
East: 1,250,968		

654,321

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0409
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments: OHW = 0.35 meters.

North:

Water crossing is approximately 0.25 miles south of the A-line/A-1000 junction.

SPECIES POTENTIAL

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

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/26/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.92	
OHW (m)	0.37	
Max Depth (m)	0.04	
CHANNEL DESCRIPTION		
Toe Width (m)	0.36	

1.72

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.23
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:	127S0136	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION **GENERAL LOCATION**

Road Name:	A-500
County:	Grays Harbor
1/4 Section:	SW
Section:	36
Township:	19N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.08346	
Longitude:	-123.49989	
WA state plane south (NAD 27, feet)		
East:	1,253,125	
North:	652,486	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0409
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments: OHW < 0.6 meters.

Water crossing is located at the A-line/A-500 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:	5/26/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.97	
OHW (m)	0.65	
Max Depth (m)	0.44	
CHANNEL DESCRIPTION		
Toe Width (m)		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.64
Rise (m)	0.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.28
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:	127S0137	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA	4	EVALU	ATION LEVEL COMPLETED
Road Name:	A-line	WGS 84, decimal d	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.07912	✓	Field Review
1/4 Section:	NE	Longitude:	-123.49464		Threshold Determination
Section:	1	WA state plane sou	th (NAD 27, feet)		Expanded Threshold Determination
Township:	18N	East:	1,254,372		Downstream Check
Range:	07W	North:	650,853		Physical Survey
WATERBODY		Location / Directio	ns:	SDECIE	S POTENTIAL
Stream:	unnamed	Water crossing is a	oproximately 0.30 miles	JF E GIE	Sockeye Sea Run Cutthroat
Tributary To:	unnamed 22.0409	northwest of the A-li	ine/Middle Satsop Rd		, <u></u>
WRIA:	22.0000	junction.			
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		OHW = 0.3 meters.			Coho Brown Trout Steelhead
Name:	Weyerhaeuser Company				
Type:	Private				
LEVEL A ANA	ALYSIS				
SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT GAIN
Review Date:	5/26/2004	Length (m)		Survey	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length ((m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCR	IPTION	Rearing	
Method			IF HON	rtcaing	(04)
Popair Status		Toe Width (m)			

CULVERT DESCRIPTION

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.49
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0138

Fish Use: Barrier:

No

SITE DESCRIPTION **GENERAL LOCATION**

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

7100 Road Name: Grays Harbor County: SW 1/4 Section: Section: 28 20N Township:

07W

unnamed

WF Satsop 22.0364

22.0000

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees

47.18302 Latitude: -123.56542 Longitude: WA state plane south (NAD 27, feet)

1,238,222 689,398 North:

Location / Directions:

Water crossing is approximately 0.10 miles east of the 7100/Cougar Smith Rd junction.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
~	Field Review

Threshold Determination **Expanded Threshold Determination**

Downstream Check Physical Survey

SPECIES POTENTIAL

LOIL	OICITIAL	
	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:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.70
Span/Toe Ratio	0.89

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.62
Rise (m)	0.63
Length (m)	8.15
Slope (%)	0.97
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0139

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7100
County:	Grays Harbor
1/4 Section:	SW
Section:	28

 Section:
 28

 Township:
 20N

 Range:
 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 WF Satsop 22.0364

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.18344

Longitude: -123.56484

WA state plane south (NAD 27, feet)

East: 1,238,371

689,547

Location / Directions:

North:

Water crossing is approximately 0.15 miles northeast of the 7100/Cougar Smith Rd junction.

Site Comments:

OHW = 0.85 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
V	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

✓ Coho
✓ Steelhead

Brown Trout

Brook Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.50
OHW (m)	0.31
Max Depth (m)	1.55

CHANNEL DESCRIPTION

Toe Width (m)	0.85
Span/Toe Ratio	0.72

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	14.86
Slope (%)	9.01
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert recently replaced.



Mason Conservation District

Site ID:

PI:

127S0140

Fish Use:

Barrier:

Yes

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7100
County:	Grays Harbor
1/4 Section:	SW
Section:	28
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.18762	
Longitude:	-123.56627	
WA state plane south (NAD 27, feet)		
East:	1,238,075	
North:	691,082	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
WF Satsop 22.0364
22.0000
Yes
Physical

Location / Directions:

Site Comments: OHW = 1.25 meters.

Water crossing is approximately 0.60 miles northeast of the 7100/Cougar Smith Rd junction.

COIE	SPUIENTIAL	
	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:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.00	
OHW (m)	1.37	
Max Depth (m)	0.20	
<u></u>		
CHANNEL DESCRIPTION		

1.25

0.74

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	12.00
Slope (%)	6.80
Bed Material	No
Outfall Drop (m)	0.10
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0141

Fish Use: Barrier:

Yes

Yes

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION	
Road Name:	7100
County:	Grays Harbor
1/4 Section:	NW
Section:	28
Township:	20N

07W

unnamed

Black Cr 22.0376

22.0000

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees 47.19182 Latitude: -123.56721 Longitude: WA state plane south (NAD 27, feet)

1,237,903 692,622 North:

Location / Directions:

Water crossing is approximately 0.95 miles north of the 7100/Cougar Smith Rd junction.

Site Comments:

OHW = 0.8 meters.

EVALUATION LEVEL COMPLETED

Physical Survey

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

SP

PECIE	S 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:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.15
OHW (m)	1.25
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	0.58

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.46
0.46
7.83
3.79
No
0.24
0.03
No
1.00
No



Mason Conservation District

Site ID:

PI:

127S0142

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:	7115
County:	Grays Harbor
1/4 Section:	NW
Section:	21
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

of the 7100/7115 junction.

OHW = 0.8 meters.

Latitude: 47.20518 -123.57071 Longitude: WA state plane south (NAD 27, feet) 1,237,222 697,526 North:

Water crossing is approximately 0.40 miles east

SP

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

WATERBODY

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

Site Comments:

OWNER

en Diamond Resource Comp Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	2.80
OHW (m)	1.70
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	0.80
Span/Toe Ratio	1.10

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.88
0.91
19.19
9.18
No
0.23
0.03
No
3.50
No



Mason Conservation District

Site ID:

PI:

127S0143

Fish Use:

No

Barrier:

SITE	DESCR	IPTI	10
------	-------	------	----

GENERAL LOCATION	
Road Name:	7115
County:	Grays Harbor
1/4 Section:	NW
Section:	21
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.20512	
Longitude:	-123.56972	
WA state plane south (NAD 27, feet)		
East:	1,237,467	
North:	697,495	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:OHW = 0.55 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.40
OHW (m)	0.85
Max Depth (m)	0.35
CHANNEL DESCRIPTION	

0.55

1.13

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.62
0.62
No
1.20
0.00
No
2.50
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0144

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:	7115
County:	Grays Harbor
1/4 Section:	NE
Section:	21
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

of the 7100/7115 junction.

Site Comments:

OHW = 1.25 meters.

Latitude: 47.20653 -123.56472 Longitude: WA state plane south (NAD 27, feet)

East: 1,238,730 697,962 North:

Water crossing is approximately 0.70 miles east

SP

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

WATERBODY

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

OWNER

en Diamond Resource Comp Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/27/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.45
OHW (m)	2.45
Max Depth (m)	0.62
CHANNEL DESCRIPTION	

Toe Width (m)	1.00
Span/Toe Ratio	0.91

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	13.04
Slope (%)	1.83
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.39
Apron	No
Fill Depth (m)	1.50
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0145

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7080 County: Grays Harbor 1/4 Section: NE

Section: 17
Township: 20N

Range: 07W

WATERBODY

 Stream:
 Black Cr

 Tributary To:
 WF Satsop 22.0364

 WRIA:
 22.0376

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.22117

 Longitude:
 -123.57700

 WA state plane south (NAD 27, feet)

East: 1,235,887

North: 703,415

Location / Directions:

Water crossing is approximately 0.75 miles east of the 7080/Brehmeyer Transfer junction.

Site Comments:

OHW = 1.25 meters.

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Sockeye		Sockeye
---------	--	---------

Pink

Chum

Chinook

✓ Coho

Steelhead

✓ Sea Run Cutthroat

✓ Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.84
OHW (m)	4.50
Max Depth (m)	0.62

CHANNEL DESCRIPTION

Toe Width (m)	1.07
Span/Toe Ratio	2.36

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PVC
Span (m)	1.26
Rise (m)	1.26
Length (m)	12.47
Slope (%)	2.46
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

East of culvert 20 meters are 3 overflow pipes.



Mason Conservation District

Site ID:

PI:

127S0145

Fish Use:

Yes

Barrier: Yes

CULVERT DESCRIPTION

2.2
RND
CST
1.26
1.26
12.71
2.73
No
0.23
0.03
No
2.00
No

Culvert Comments:

Culvert is deformed on upstream end.



Mason Conservation District

Site ID:

PI:

127S0146

Fish Use:

: No

Barrier:

S	ITE	DES	CR	IPT	ON

GENERAL LOCATION Road Name: 7140 County: Grays Harbor 1/4 Section: NE Section: 17 Township: 20N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude:	47.22509		
Longitude:	-123.58023		
WA state plane south (NAD 27, feet)			
East:	1,235,141		
Nowth	704 875		

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Black Cr 22.0376
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments: OHW < 0.6 meters.

Water crossing is located at the 7140/7100 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:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	3.10
OHW (m)	2.05
Max Depth (m)	0.50

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID:	127S0147	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION GENERAL LOCATION POSITIONAL DATA

 Road Name:
 7100

 County:
 Grays Harbor

 1/4 Section:
 NE

 Section:
 7

 Township:
 20N

 Range:
 07W

WGS 84, decimal degrees
Latitude: 47.22412

 Longitude:
 -123.57928

 WA state plane south (NAD 27, feet)

 East:
 1,235,364

 North:
 704,512

Report Logged Field Review

EVALUATION LEVEL COMPLETED

Threshold Determination
Expanded Threshold Determination
Downstream Check
Physical Survey

WATERBODY

 Stream:
 Black Cr

 Tributary To:
 WF Satsop 22.0364

 WRIA:
 22.0376

 Fish Use:
 No

 FUP Criteria:
 Physical

Location / Directions:

Water crossing is approximately 150 meters south of the 7100/7140 junction.

Site Comments: OHW < 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name: en Diamond Resource Comp Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

1.1
RND
CST
0.46
0.46
No
0.26
0.00
No
0.50
No



Mason Conservation District

Site ID:

PI:

127S0148

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION 7150 Road Name: Grays Harbor County: SW 1/4 Section: 9 Section:

20N

Mapped

07W Range: WATERBODY

WALLENDOD!	
Stream:	Little Sandstone Cr local
Tributary To:	WF Satsop 22.0364
WRIA:	22.0000
Fish Use:	Yes

FUP Criteria: OWNER

Township:

Name:	en Diamond Resource Comp
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees

Latitude:	47.22847	
Longitude:	-123.57275	
WA state plane south (NAD 27, feet)		
East:	1,237,047	
North:	706,033	

Location / Directions:

Water crossing is located at the 7150/7153junction.

Site Comments:

OHW = 1.05 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

FCIE	SPOTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
~	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
✓	Coho	Brown Trout
V	Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.53
Span/Toe Ratio	1.72

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

	Г
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	12.49
Slope (%)	1.49
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.17
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Riffle at downstream end, no plunge pool.



Mason Conservation District

Site ID: 127S0149 Fish Use: PI: Barrier:

No

SITE DESCI	RIPTION						
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED			
Road Name:	7150	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.22801	✓	Field Review		
1/4 Section:	SE	Longitude:	-123.57883		Threshold Determination		
Section:	8	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination		
Township:	20N	East:	1,235,530		Downstream Check		
Range:	07W	North:	705,927		Physical Survey		
WATERBODY		Location / Direction	ns:	SPECII	ES POTENTIAL		
Stream:	Black Cr	Water crossing is approximately 150 meters		□ □	Sockeye Sea Run Cutthroat		
Tributary To:	WF Satsop 22.0364	east of the 7150/710	0 junction.		Pink Resident Trout		
WRIA:	22.0376				Chum Dolly/Bull Trout		
Fish Use:	No	0'11 0			Chinook Brook Trout		
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout		
OWNER		Poorly defined stream channel, OHW < 0.6 meters.			Steelhead		
Name:	en Diamond Resource Comp						
Type:	Private						
LEVEL A AN	NALYSIS						
SUMMARY INF	ORMATION	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN			
Review Date:	6/2/2004	Length (m)		Survey	Type:		
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawni	ing (sq m)		
Passability (%)		CHANNEL DESCRIPTION		Rearing	g (sq m)		
Method							
Repair Status		Toe Width (m)					
Problem		Span/Toe Ratio					

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0150

Fish Use:

No

Barrier:

١

GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	7150	WGS 84, decimal degrees			Report Logged	I
County:	Grays Harbor	Latitude:	47.23532	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.57031		Threshold Dete	ermination
Section:	9	WA state plane south (NAD 27, feet)			Expanded Three	eshold Determination
Township:	20N	East:	1,237,750		Downstream C	Check
Range:	07W	North:	708,506		Physical Surve	ey
WATERBODY Location / Direction		ns: SPECIES POTENTIAL				
Stream:	Sandstone Cr	Water crossing is ap	proximately 1.2 miles		Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	northeast of the 715			Pink	
WRIA:	22.0397					Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER	1 1/200	Poorly defined chann	nel, OHW < 0.6 meters.		Coho Steelhead	Brown Trout
Name:	en Diamond Resource Comp			_		
Type:	Private					

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.55			
OHW (m)	0.44			
Max Depth (m)				
CHANNEL DESCRIPTION				

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.39
Rise (m)	0.39
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Ditch delivery upstream and no defined channel downstream. Most likely a gradient barrier downstream approx. 50% slope.



Mason Conservation District

Site ID: 127S0151		Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA	A	EVALU	ATION LEVEL COMPLETED
Road Name:	7190	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude: 47.24533		✓	Field Review
1/4 Section:	SW	Longitude:	-123.58851		Threshold Determination
Section:	5	WA state plane sou	th (NAD 27, feet)		Expanded Threshold Determination
Township:	20N	East:	1,233,374		Downstream Check
Range:	07W	North:	712,334		Physical Survey
WATERBODY		Location / Direction	ns:	SDECIE	S POTENTIAL
Stream:	unnamed	Water crossing is an	oproximately 0.25 miles east		Sockeye Sea Run Cutthroat
Tributary To:	Sandstone Cr 22.0397	of the 7190/7600 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	Poorly defined channel, OHW < 0.6 meters.			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:	6/2/2004	Length (m)		Survey	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length ((m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCR	IDTION	Rearing	
Method			IF HON	rtcaring	(04 111)
Popair Status		Toe Width (m)			

CULVERT DESCRIPTION

Problem

1.1
RND
CST
0.47
0.47
No
0.08
0.00
No
0.50
No

Culvert Comments:

Span/Toe Ratio

Culvert heavily rusted downstream.



Mason Conservation District

Site ID:

PI:

127S0152

Fish Use:

No Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	NW
Section:	33
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees Latitude: 47.26665 -123.58707 Longitude: WA state plane south (NAD 27, feet) East: 1,234,035

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
Sandstone Cr 22.0397
22.0000
No
Physical

Location / Directions:

Site Comments: OHW = 0.55 meters.

North:

Water crossing is approximately 0.35 miles east of the 7600/7620 junction. $\label{eq:constraint}$

720,090

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.02	
OHW (m)	1.30	
Max Depth (m)	0.13	
CHANNEL DESCRIPTION		
Toe Width (m)	0.56	
roo waar (iii)	0.00	

0.55

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1	
Shape	RND	
Material	CST	
Span (m)	0.31	
Rise (m)	0.31	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.49	
WDIC (m)	0.00	
Apron	No	
Fill Depth (m)	0.60	
Tidegate	No	

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0153

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: 7300 County: Grays Harbor 1/4 Section: NW

 Section:
 33

 Township:
 21N

 Range:
 07W

WATERBODY

 Stream:
 Sandstone Cr

 Tributary To:
 WF Satsop 22.0364

 WRIA:
 22.0397

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.26866

 Longitude:
 -123.58537

 WA state plane south (NAD 27, feet)

East: 1,234,486

North: 720,803

Location / Directions:

Water crossing is approximately 0.50 miles east of the 7600/7620 junction.

Site Comments:

OHW = 0.65 meters.

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Soc	keye

Pink
Chum

Chinook

✓ Coho

Steelhead

_			
/	Sea	Run	Cutthroat

✓ Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004	
Field Crew:	Glore/Blatt	
Barrier	Yes	
Passability (%)	67	
Method	LA	
Repair Status	UD	
Problem	slope	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.55	
Span/Toe Ratio	1.11	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1	
RND	
CST	
0.61	
0.61	
15.22	
2.23	
No	
0.00	
0.00	
No	
1.80	
No	

Culvert Comments:

Riffle at downstream end, no plunge pool.



Mason Conservation District

Site ID: 127S0154		Fish Use: N	
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	7600	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.24973	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.57265		Threshold Determination	
Section:	4	WA state plane south (NAD 27, feet)			Expanded Threshold Determination	
Township:	20N	East:	1,237,372		Downstream Check	
Range:	07W	North:	713,782		Physical Survey	
WATERBODY		Location / Directions:		SDECIE	SPECIES POTENTIAL	
Stream:	unnamed	Water crossing is approximately 50 meters north of the 7600/7640 junction.		JFECIE	Sockeye Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364				Pink Resident Trout	
WRIA:	22.0000				Chum Dolly/Bull Trout	
Fish Use:	No	Site Comments:				
FUP Criteria:	Physical				Chinook Brook Trout	
OWNER		Gradient barrier downstream.			Coho Brown Trout Steelhead	
Name:	en Diamond Resource Comp					
Type:	Private					
LEVEL A ANA	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT GAIN	
Review Date:	6/2/2004	Length (m)		Survey	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCR	IDTION	Rearing		
Method			IF HON	rvearing	(Sq III)	
Repair Status		Toe Width (m)				

CULVERT DESCRIPTION

Problem

1.1
RND
CST
0.62
0.62
No
0.03
No
1.00
No

Culvert Comments:

Span/Toe Ratio

Angled extension on downstream end.



Mason Conservation District

Site ID:

PI:

127S0155

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

Township:

Range: WATERBODY

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Tributary To:

FUP Criteria:

GENERAL LOCATION			
Road Name:	7600		
County:	Grays Harbor		
1/4 Section:	NW		
Section:	4		

20N 07W

unnamed

WF Satsop 22.0364

22.0000

Physical

en Diamond Resource Comp

Private

WA
Ea
NI-

POSITIONAL DATA

WGS 84,	decimal	degree

Latitude:	47.25435	
Longitude:	-123.56915	
WA state plane south (NAD 27, feet)		
East:	1,238,306	
North:	715,433	

Location / Directions:

Water crossing is approximately 50 meters north of the 7600/7648 junction.

Site Comments:

Abundant LWD in channel. OHW = 0.65

EVALUATION LEVEL COMPLETED

	Report Logged
✓	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		
✓ Coho	Brown Trout		
Steelhead			

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.47
OHW (m)	1.37
Max Depth (m)	0.25
CHANNEL DESCRIPTION	

Toe Width (m)	0.40
Span/Toe Ratio	1.90

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.76
0.76
18.37
8.90
No
0.42
0.02
No
4.00
No

Culvert Comments:

Riffles at downstream end, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0156

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	NW
Section:	4
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.25719	
Longitude:	-123.56884	
WA state plane south (NAD 27, feet)		
East:	1,238,424	
North:	716 465	

EVALUATION LEVEL COMPLETED

Ш	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:
OHW = 0.8 meters.

Water crossing is approximately 100 meters north of the 7600/7649 junction.

SPECIES POTENTIAL

OFECIES FOTEIVITAL			
Sockeye	Sea Run Cutthroa		
Pink	✓ Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
✓ Coho	Brown Trout		
Steelhea	nd		

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.35	
OHW (m)	1.05	
Max Depth (m)	0.28	
CHANNEL DESCRIPTION		
Toe Width (m)	0.57	

1.88

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.07
Rise (m)	1.07
Length (m)	26.68
Slope (%)	9.82
Bed Material	No
Outfall Drop (m)	0.59
WDIC (m)	0.02
Apron	No
Fill Depth (m)	12.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0157

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	33
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84,	decimal	degree

Latitude:	47.26193		
Longitude:	-123.57045		
WA state plane south (NAD 27, feet)			
East:	1,238,093		
North:	718,206		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:OHW = 2.25 meters.

Water crossing is approximately 20 meters north of the 7600/7650 junction.

SPECIES POTENTIAL

I LOILO I OTLINTIAL			
	Sockeye	✓ Sea Run Cutthroa	
F	Pink	✓ Resident Trout	
	Chum	Dolly/Bull Trout	
	Chinook	Brook Trout	
V	Coho	Brown Trout	
	Steelhead		

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/2/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.10	
OHW (m)	2.20	
Max Depth (m)	0.34	
CHANNEL DESCRIPTION		

1.08

1.19

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.28
Rise (m)	1.28
Length (m)	12.04
Slope (%)	2.79
Bed Material	No
Outfall Drop (m)	0.32
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Duel pipe system with separate plunge pools. Pipe 1.2 is on left bank.



Mason Conservation District

Site ID:

127S0157

Fish Use:

Yes

וכ			
	١.		

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.28
Rise (m)	1.28
Length (m)	12.35
Slope (%)	2.27
Bed Material	No
Outfall Drop (m)	0.18
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank.



Mason Conservation District

Site ID:

PI:

127S0158

Fish Use:

Barrier:

No

CIT		-0	CD	IDT	ION
OI I	UE	-3	ᅜ	IPI	IUIN

GENERAL LOCATION		
Road Name:	7600	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	33	
Township:	21N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.25961	
Longitude:	-123.57006	
WA state plane south (NAD 27, feet)		
East:	1,238,155	
North:	717,358	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

60% slope to confluence.

Water crossing is approximately 400 meters southwest of the 7600/7650 junction.

Confluence with Stouder Creek 50 meters

downstream. Gradient barrier downstream,

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:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.69	

1.64

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.13
Rise (m)	1.18
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.10
WDIC (m)	0.03
Apron	No
Fill Depth (m)	7.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffles at downstream end, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0159

Fish Use:

No

Barrier:

CIT	re		CC	CR	IDT	101	A
OI I		u	ᆮᇰ	ᅜᅑ	IP I	IUI	N

POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED 7600-J WGS 84, decimal degrees Road Name: County: Grays Harbor 47.27048 Latitude: -123.57348 ΝE Longitude: 1/4 Section: Section: 33 WA state plane south (NAD 27, feet) 21N Township: 1,237,461 07W Range: 721,354 North: WATERBODY Location / Directions: **SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 300 meters Tributary To: WF Satsop 22.0364 west of the 7600/7600J junction.

FUP	Criteria:
OWNER	

Fish Use:

WRIA:

Name:	en Diamond Resource Com
Type:	Private

22.0000

Physical

Site Comments:

OHW = 0.5 meters.

	Report Logged
✓	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

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.30
OHW (m)	1.65
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	0.40
Span/Toe Ratio	1.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No



Mason Conservation District

Site ID:	127S0160	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

OITE DECON						
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	7600	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.27394	✓	Field Review	
1/4 Section:	SE	Longitude:	-123.57239		Threshold Determination	
Section:	28	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	21N	East:	1,237,782		Downstream Check	
Range:	07W	North:	722,603		Physical Survey	
WATERBODY		Location / Direction	ns:	SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.25 miles		Sockeye Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364	north of the 7600/76			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.			Steelhead	
Name:	en Diamond Resource Comp					
Type:	Private					
LEVEL A AN	ALYSIS					
SUMMARY INFO	PRMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	6/3/2004	Length (m)		Survey	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length ((m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCRI	PTION	Rearing	(sq m)	
Method				J		
Repair Status		Toe Width (m)	0.25			
Problem		Span/Toe Ratio	1.84			

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.40
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0161

Fish Use: Barrier: Yes

Yes

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	600	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	17	
Township:	21N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.31165	
Longitude:	-123.59761	
WA state plane south (NAD 27, feet)		
East: 1,232,065		
North:	736.592	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

Water crossing is approximately 1.65 miles east of the FS 22/600 junction. $\label{eq:constraint}$

SPECIES POTENTIAL

DI LOILO I OTLIVITAL	
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:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.95	
OHW (m)	3.15	
Max Depth (m)	0.55	
CHANNEL DESCRIPTION		
Toe Width (m)	1.40	

0.54

POTENTIAL	HABITAT	GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.82
Length (m)	15.56
Slope (%)	1.54
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.25
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Culvert heavily rusted downstream.



Mason Conservation District

Site ID: **127**

PI:

127S0162

Fish Use:

No

Barrier:

SITE	DESCRIP	TIOI	N
------	---------	------	---

GENERAL LOCATION Road Name: 600 County: Grays Harbor 1/4 Section: NE Section: 17 Township: 21N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.31214

Longitude: -123.59527

WA state plane south (NAD 27, feet)

East: 1,232,653

North: 736,747

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Γributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 1.75 miles east of the FS 22/600 junction.

Poorly defined channel, OHW < 0.6 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION PLUNGE POOL DESCRIPTION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	1.50
OHW (m)	1.05
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0163

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.31410 -123.59143 Longitude: WA state plane south (NAD 27, feet) 1,233,633 737,426 North:

EVALUATION LEVEL COMPLETED

Į		Report Logged
[✓	Field Review
[Threshold Determination
[Expanded Threshold Determination
[Downstream Check
		Physical Survey

WATERBODY

Stream:	Devils Club Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0400
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 2.2 miles east of the FS 22/600 junction.

Site Comments:

SPECIES POTENTIA	L
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:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	2.05
Max Depth (m)	0.30
CHANNEL DESCRIPTION	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.45
Rise (m)	1.60
Length (m)	30.87
Slope (%)	3.95
Bed Material	No
Outfall Drop (m)	0.03
WDIC (m)	0.05
Apron	No
Fill Depth (m)	10.00
Tidegate	No

Length (m)	1.10
OHW (m)	2.05
Max Depth (m)	0.30

Toe Width (m)	2.30
Span/Toe Ratio	0.63

Culvert Comments:

Placed boulders at downstream end act as downstream control. Cast in place concrete wall on upstream end of culvert.



Mason Conservation District

Site ID:

PI:

127S0164

Fish Use:

No

Barrier:

SIT	ΓF	n	F٩	CR	IPT		N
JI.		$\mathbf{\nu}$	ᆫᇰ	\mathbf{c}	IF I	ı	ı

GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL	COMPLETED
Road Name:	600	WGS 84, decimal de	egrees		Report Logge	ed
County:	Grays Harbor	Latitude:	47.31391	✓	Field Review	•
1/4 Section:	NW	Longitude:	-123.58640		Threshold De	etermination
Section:	16	WA state plane sout	h (NAD 27, feet)		Expanded Th	nreshold Determination
Township:	21N	East:	1,234,877		Downstream	Check
Range:	07W	North:	737,308		Physical Sur	vey
WATERBODY		Location / Direction	is:	SPECIE	S POTENTIA	1
Stream:	unnamed	Water crossing is ap	proximately 2.55 miles east		Sockeye	Sea Run Cutthroat
Tributary To:	Devils Club Cr 22.0400	of the FS 22/600 junction.			Pink	
WRIA:	22.0000					Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER	, 5.00.	OHW = 0.55 meters			Coho Steelhead	Brown Trout
				1 1	Ciccinicau	

LEVEL A ANALYSIS

Name: Type:

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

en Diamond Resource Comp

Private

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.50	

1.84

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

0	1.1
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.02
Apron	No
Fill Depth (m)	4.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Outfall onto rip rap, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0165

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	600	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	16	
Township:	21N	

07W

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.31465

 Longitude:
 -123.58571

 WA state plane south (NAD 27, feet)

 East:
 1,235,059

 North:
 737,570

Expanded Threshold Determination

Field Review

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check
Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

OHW = 1.65 meters.

Water crossing is approximately 2.60 miles east of the FS 22/600 junction.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

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

1.63

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)	1.22
Rise (m)	1.28
Length (m)	35.12
Slope (%)	10.24
Bed Material	No
Outfall Drop (m)	1.20
WDIC (m)	0.03
Apron	No
Fill Depth (m)	11.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Accurate plunge pool measurements obscured by large debris pile immediately downstream of culvert.



Mason Conservation District

Site ID:

PI:

127S0166

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: Yes

GENERAL LOCATION	
Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	16
Township:	21N

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

of the FS 22/600 junction.

Latitude:	47.31507	
Longitude:	-123.58425	
WA state plane south (NAD 27, feet)		
East:	1,235,426	
North:	737,708	

Water crossing is approximately 2.7 miles east

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:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

P Criteria: Physical Site Comments: OHW = 0.85 meters.

07W

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

CHANNEL DESCRI	PTION
Max Depth (m)	
OHW (m)	
Length (m)	

Toe Width (m)	0.50
Span/Toe Ratio	1.86

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.93
0.93
31.82
8.03
No
0.00
0.05
No
9.50
No

Culvert Comments:

Riffle at downstream end, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0167

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	16
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
47.31500		
-123.58166		
WA state plane south (NAD 27, feet)		
1,236,066		
737,659		

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Devils Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Biolgical

Location / Directions:

Site Comments:

Water crossing is approximately 2.0 miles east of the FS 22/600 $\,$ junction.

Small pond upstream. Juvenile coho observed.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.45	
OHW (m)	2.90	
Max Depth (m)	0.46	
CHANNEL DESCRIPTION		
Toe Width (m)	0.75	

1.23

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.94
Length (m)	23.85
Slope (%)	2.22
Bed Material	No
Outfall Drop (m)	0.28
WDIC (m)	0.04
Apron	No
Fill Depth (m)	5.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Upstream end deformed and clogged with



Mason Conservation District

Site ID:

PI:

127S0168

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Township:

WATERBODY

Tributary To:

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

Road Name:	600
County:	Grays Harbor
1/4 Section:	SE
Section:	9

21N

07W

unnamed

Devils Club Cr 22.0400

22.0000

Yes

Mapped

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees

47.31671 Latitude: -123.57686 Longitude: WA state plane south (NAD 27, feet) 1,237,281 738,237 North:

Downstream Check

Physical Survey

Field Review

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Expanded Threshold Determination

Location / Directions:

Water crossing is approximately 3.1 miles east of the FS 22/600 junction.

Site Comments:

OHW = 3.2 meters.

SPECIES POTENTIAL

LCIL	SPOILNIAL	
	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:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	7.00
OHW (m)	4.00
Max Depth (m)	0.80

CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	1.52

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.98
Rise (m)	1.95
Length (m)	41.87
Slope (%)	6.13
Bed Material	No
Outfall Drop (m)	4.20
WDIC (m)	0.09
Apron	No
Fill Depth (m)	13.00
Tidegate	No

Culvert Comments:

Beveled downstream.



Mason Conservation District

Site ID:

PI:

127S0169

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL	LOCATION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	16
Township:	21N
Range:	07W

unnamed

WF Satsop 22.0364

22.0000

Yes

Mapped

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees 47.31343 Latitude: -123.56923 Longitude:

WA state plane south (NAD 27, feet)

1,239,126 736,966 North:

Location / Directions:

Water crossing is approximately 4.15 miles east of the FS 22/600 junction.

Site Comments:

OHW = 1.2 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
~	Coho	Brown Trout

Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.10
OHW (m)	3.20
Max Depth (m)	0.70

CHANNEL DESCRIPTION

Toe Width (m)	0.59
Span/Toe Ratio	1.03

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.61
0.61
16.86
13.67
No
0.75
0.03
No
4.50
No



Mason Conservation District

Site ID: 127S0170 Fish Use: No PI: Barrier:

SITE DESCRIPTION

			POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	600	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.31573	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.55778		Threshold Det	ermination
Section:	15	WA state plane south (NAD 27, feet)			Expanded Thr	eshold Determination
Township:	21N	East:	1,241,996		Downstream C	Check
Range:	07W	North:	737,693		Physical Surve	еу
WATERBODY		Location / Direction	s:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is app	proximately 0.35 miles east		Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	of the WF Satsop brid			Pink	
WRIA:	22.0000				Chum	Resident Trout
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER	,	Gradient barrier dowr barrier 10 meters ups	nstream, natural point stream.		Coho Steelhead	Brown Trout
Name: en	Diamond Resource Comp					
Type:	Private					

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

1.34

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.84
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Angled extension on downstream end. Outfall is onto riprap, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0171

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION 600 Road Name: Grays Harbor County: NE 1/4 Section: 15 Section: 21N Township: 07W Range:

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.31536	
Longitude:	-123.55565	
WA state plane south (NAD 27, feet)		
East:	1,242,520	
North:	737,539	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments: OHW = 0.8 meters.

Water crossing is approximately 0.40 miles east of the WF Satsop bridge.

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:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	RIPTION
Toe Width (m)	0.52
Span/Toe Ratio	1 49

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.78
Rise (m)	0.78
Length (m)	12.94
Slope (%)	6.39
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Angled PVC extension on downstream end. Outfall onto rip rap, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0172

Fish Use:

No

Barrier:

SIT	ΓF	n	F٩	CR	IPT		N
JI.		$\mathbf{\nu}$	ᆫᇰ	\mathbf{c}	IF I	ı	ı

GENERAL LOCA	ATION	POSITIONAL DATA	1	EVALU	ATION LEVE	L COMPLETED
Road Name:	600	WGS 84, decimal de	egrees		Report Logg	ed
County:	Grays Harbor	Latitude:	47.31431	✓	Field Review	1
1/4 Section:	NE	Longitude:	-123.55197		Threshold D	etermination
Section:	15	WA state plane sout	th (NAD 27, feet)		Expanded TI	hreshold Determination
Township:	21N	East:	1,243,416		Downstream	Check
Range:	07W	North:	737,121		Physical Sur	vey
WATERBODY		Location / Direction	ns:	SDECIE	S POTENTIA	1
Stream:	unnamed	Water crossing is approximately 0.60 miles east of the WF Satsop bridge.		3FEGIL	Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364				•	
WRIA:	22.0000				Pink	Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
. O. O. O. O.	, oloai	Natural point harrier	downstream		Coho	Brown Trout

LEVEL A ANALYSIS

OWNER

Name: Type:

SUMMARY INFORMATION

Review Date:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

en Diamond Resource Comp

Private

PLUNGE POOL DESCRIPTION

Natural point barrier downstream.

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.05	

0.91

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)	0.95
Rise (m)	0.87
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.30
WDIC (m)	0.13
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Outfall onto rip rap, no plunge pool.



Mason Conservation District

Site ID: 127S0173

Fish Use: No

Barrier:

SITE	DESCRIPTION
O	DECCINI HON

GENERAL LOCA	POSITIONAL I	
Road Name:	600	WGS 84, decir
County:	Grays Harbor	Latitude:
1/4 Section:	NE	Longitude:
Section:	15	WA state plane
Township:	21N	East:
Range:	07W	North:
WATERBODY		Location / Dire

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.31321	
Longitude:	-123.55156	
WA state plane south (NAD 27, feet)		
East:	1,243,503	
North:	736,714	

PI:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

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

Location / Directions:

Site Comments: OHW = 0.45 meters.

Water crossing is approximately 0.65 miles east of the WF Satsop bridge.

SPECIES POTENTIAL

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

OWNER

Review Date:

Field Crew:

Barrier Passability (%) Method Repair Status

Problem

Name:	en Diamond Resource Com
Type:	Private

6/7/2004 Glore/Blatt

LEVEL A ANALYSIS SUMMARY INFORMATION

PLUNGE POOL DESCRIPTION

Length (m)	1.78	
OHW (m)	0.68	
Max Depth (m)	0.13	
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	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Intermittent subsurface flows 10 meters downstream.



Mason Conservation District

Site ID:

PI:

127S0174

Fish Use: Barrier:

Yes

No

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged Road Name: 600 WGS 84, decimal degrees Grays Harbor 47.31282 Field Review County: Latitude: Threshold Determination -123.54913 Longitude: 1/4 Section: NE **Expanded Threshold Determination** Section: 15 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,244,100 07W Physical Survey Range: 736,552 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.80 miles east Sockeye ✓ Sea Run Cutthroat Tributary To: WF Satsop 22.0364 of the WF Satsop bridge. 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. OWNER Steelhead en Diamond Resource Comp Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.43		
Span/Toe Ratio	1.03		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	20.67
Slope (%)	6.03
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.30
Tidegate	No

Culvert Comments:

Poorly defined plunge pool due to braiding.



Mason Conservation District

Site ID:

PI:

127S0175

Fish Use:

No

Barrier:

SITE	DESCR	RIPTION
------	-------	---------

GENERAL LOC	ATION	POSITIONAL DATA	L	EVALU	ATION LEVEL C	COMPLETED
Road Name:	600	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.31401	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.54448		Threshold Dete	ermination
Section:	14	WA state plane south (NAD 27, feet)			Expanded Thre	eshold Determination
Township:	21N	East:	1,245,268		Downstream C	heck
Range:	07W	North:	736,938		Physical Surve	у
WATERBODY		Location / Direction	is:	SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is approximately 1.15 miles east of the WF Satsop bridge.		3FEGIL	Sockeye	Sea Run Cutthroat
Tributary To:	Little R 22.0398				•	
WRIA:	22.0000				Pink	Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
. C. C.nona.	,	OHW = 0.55 meters			Coho	Brown Trout
OWNER					Steelhead	
Name:	en Diamond Resource Comp					

LEVEL A ANALYSIS

Type:

SUMMARY INFORMATION

Review Date:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Private

PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.37		

2.38

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Coguencer	1.1
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.88
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	4.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	9.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Outfall onto boulders and rip rap, no plunge



Mason Conservation District

Site ID: 127S0176 Fish Use: No PI: Barrier:

Spawning (sq m)

Rearing (sq m)

SITE	DESCRIPTION	ı

SITE DESCI	RIPTION					
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	600	WGS 84, decimal	degrees		Report Logged	
County:	Grays Harbor	Latitude:	47.31457	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.54124		Threshold Dete	rmination
Section:	14	WA state plane so	outh (NAD 27, feet)		Expanded Thre	shold Determination
Township:	21N	East:	1,246,079		Downstream Ch	neck
Range:	07W	North:	737,114		Physical Survey	•
WATERBODY		Location / Direct	ions:	SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is	approximately 1.35 miles east		Sockeye	Sea Run Cutthroat
Tributary To:	Little R 22.0398	of the WF Satsop	bridge, stream flows beneath		Pink	Resident Trout
WRIA:	22.0000	junction of the 600	0/650 lines.		Chum	Dolly/Bull Trout
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		OHW = 0.5 meter	S.		Coho Steelhead	Brown Trout
Name:	en Diamond Resource Comp				Otoomoud	
Type:	Private					
LEVEL A A	NALYSIS					
SUMMARY INFORMATION		PLUNGE POOL	DESCRIPTION	POTEN	TIAL HABITAT G	SAIN
Review Date:	6/7/2004	Length (m)		Survey '	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	

CULVERT DESCRIPTION

Barrier

Method

Problem

Passability (%)

Repair Status

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.80
Rise (m)	0.80
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	
Tidegate	No

 Toe Width (m)
 0.29

 Span/Toe Ratio
 2.76

Culvert Comments:

Max Depth (m)

CHANNEL DESCRIPTION

Fill has completely covered downstream end.



Mason Conservation District

Site ID:

PI:

127S0177

Fish Use:

No

Barrier:

Brown Trout

SITE	DESCR	IPTION

POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION Report Logged 650 WGS 84, decimal degrees Road Name: Grays Harbor 47.31577 Field Review County: Latitude: Threshold Determination -123.54524 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 11 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,245,106 07W Physical Survey Range: 737,588 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.20 miles Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 north of the 600/650 junction. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical

LEVEL A ANALYSIS

OWNER

Name:

Type:

SUMMARY INFORMATION

Review Date:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

en Diamond Resource Comp

Private

PLUNGE POOL DESCRIPTION

OHW = 0.2 meters.

Length (m)				
OHW (m)				
Max Depth (m)				
CHANNEL DESCRIPTION				
Toe Width (m)	0.20			

2.35

POTENTIAL HABITAT GAIN

Coho

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.08
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID: 127S0178 Fish Use: PI: Barrier:

No

SITE DESCRIPTION

OITE DEGON	11014					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	2370.700	WGS 84, decimal degrees			Report Logg	ed
County:	Grays Harbor	Latitude:	47.34218	✓	Field Review	I
1/4 Section:	NW	Longitude:	-123.54700		Threshold De	etermination
Section:	2	WA state plane sout	h (NAD 27, feet)		Expanded Th	hreshold Determination
Township:	21N	East:	1,245,040		Downstream	Check
Range:	07W	North:	747,233		Physical Sur	vey
WATERBODY		Location / Direction	is:	SPECIE	ES POTENTIA	ı
Stream:	Robertson Cr	Water crossing is ap	proximately 1.6 miles east		Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	of the 2370/2370.700	of the 2370/2370.700 junction.			Resident Trout
WRIA:	22.0401				Pink 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 AN	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DE	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN	
Review Date:	6/7/2004	Length (m)		Survey	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRI	PTION	Rearing	• • • •	
Method			1 110H	rtouring	(()	
Repair Status		Toe Width (m)				

CULVERT DESCRIPTION

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	3.80
WDIC (m)	0.02
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID: **127S0179**

PI:

Fish Use:

No

Barrier:

GENERAL LOCATION Road Name: 2260.200 County: Grays Harbor 1/4 Section: SE Section: 35 Township: 22N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees				
Latitude:	47.34658			
Longitude:	-123.53013			
WA state plane south (NAD 27, feet)				
East:	1,249,283			
North:	748,673			

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Robertson Cr 22.0401
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.15 miles southwest of the 2260.200/2370 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
Steelhead	

OWNER

Name:	US Forest Service
Гуре:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION PLUNGE POOL DESCRIPTION

Review Date:	6/7/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

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

CHANNEL DESCRIPTION

Toe Width (m)	0.60
Span/Toe Ratio	1.20

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.72
0.72
Yes
0.00
0.02
No
3.00
No



Mason Conservation District

Site ID:	127S0180	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA	A	EVALU	ATION LEVEL COMPLETED	
Road Name:	2370	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude: 47.35256		✓	✓ Field Review	
1/4 Section:	SE	Longitude:	-123.52844		Threshold Determination	
Section:	35	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,249,785		Downstream Check	
Range:	07W	North:	750,839	Physical Survey		
WATERBODY		Location / Direction	ns:	ODE OF	S POTENTIAL	
Stream:	Robertson Cr	Water crossing is an	Water crossing is approximately 100 meters		_	
Tributary To:	WF Satsop 22.0364	east of the 2300.5/23			Sockeye Sea Run Cutthroat Pink Resident Trout	
WRIA:	22.0401					
Fish Use:	No				Chum Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
		Natural point barrier visible from road.	latural point barrier 200 meters downstream, isible from road.		Coho Brown Trout Steelhead	
Name:	US Forest Service					
Type:	Federal					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	PLUNGE POOL DESCRIPTION		TIAL HABITAT GAIN	
Review Date:	6/7/2004	Length (m)		Survey ⁻	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length ((m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCRI	IDTION	Rearing		
Method				rtcaring	(04)	
Repair Status		Toe Width (m)	1.20			

CULVERT DESCRIPTION

Problem

1.1
RND
CST
0.99
1.12
No
0.03
No
No

Culvert Comments:

Span/Toe Ratio

Outfall drop directly off hillside which is cliff like, making measurements unobtainable.

0.83



Mason Conservation District

Site ID:	127S0181	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	2370	WGS 84, decimal de	egrees		Report Logged	
County:	Grays Harbor	Latitude:	47.34744	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.54702		Threshold Determination	
Section:	35	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,245,110		Downstream Check	
Range:	07W	North:	749,147		Physical Survey	
WATERBODY		Location / Direction	ns:	e DE CIE	S POTENTIAL	
Stream:	unnamed	Water crossing is approximately 1.05 miles southeast of the 2370/2300.5 junction.		3FEGIL	Sockeye Sea Run Cutthroat	
Tributary To:	Robertson Cr 22.0401				Pink Resident Trout	
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OWNER		Natural point barriers upstream and downstream.			Coho Brown Trout Steelhead	
Name:	US Forest Service					
Type:	Federal					
LEVEL A ANA	N Vele					
LEVEL A ANA	AL 1 313					
SUMMARY INFO	RMATION	PLUNGE POOL DE	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN	
Review Date:	6/10/2004	Length (m)		Survey	Туре:	
Field Crew:	Glore/Blatt	OHW (m)		Length ((m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCR	PTION	Rearing		
Method			11014	oamig	(04)	
Repair Status		Toe Width (m)				

CULVERT DESCRIPTION

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.80
Rise (m)	0.80
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0182

Fish Use:

No

Barrier:

SITE DESCRI	PTION
-------------	-------

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name: Type:

GENERAL LOCATION Road Name: FS 2370 County: Grays Harbor 1/4 Section: NE Section: 3 Township: 21N Range: 07W

unnamed

WF Satsop 22.0364

22.0000

Physical

US Forest Service

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.34484

 Longitude:
 -123.55507

WA state plane south (NAD 27, feet)

East: 1,243,079

North: 748,278

Location / Directions:

Water crossing is approximately 1.7 miles southeast of the FS 23/2370 junction.

Site Comments:

Gradient barrier downstream.

EVALUATION LEVEL COMPLETED

Report Logged
Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

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

Ctoolbood

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.65
Span/Toe Ratio	1.42

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.45
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.75
Tidegate	No



Mason Conservation District

Site ID:	127S0183	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

	-					
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	FS 2370	WGS 84, decimal de	grees		Report Logged	
County:	Grays Harbor	Latitude:	47.34953	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.56162		Threshold Determination	
Section:	34	WA state plane south	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,241,524		Downstream Check	
Range:	07W	North:	750,052		Physical Survey	
WATERBODY		Location / Direction	is:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.8 miles south	3FECIE	Sockeye Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364	of the FS 22/2370 ju			, <u></u>	
WRIA:	22.0000				Pink Resident Trout	
Fish Use:	No				Chum Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OWNER		OHW = 0.4 meters.	High gradient downstream.		Coho Brown Trout Steelhead	
Name:	US Forest Service				0.000000	
Type:	Federal					
LEVEL A AN	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	6/10/2004	Length (m)		Survey	Type:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)] ' ' '	PTION	Rearing		
Method		CHANNEL DESCRI	PIION	Reaning	(54 111)	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

CULVERT DESCRIPTION

Problem

OULVERT BEOOKII TION			
Sequencer:	1.1		
Shape	RND		
Material	CST		
Span (m)	0.79		
Rise (m)	0.79		
Length (m)			
Slope (%)			
Bed Material			
Outfall Drop (m)			
WDIC (m)			
Apron			
Fill Depth (m)	0.50		
Tidegate			



Mason Conservation District

Site ID:

PI:

127S0184

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

FS 2370 Road Name: Grays Harbor County: NE 1/4 Section: 34 Section: 22N Township: 07W Range:

WATERBODY

Stream:	unnamed
Tributary To:	Spoon Cr 22.0403
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	US Forest Service
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.35704	
Longitude:	-123.55305	
WA state plane south (NAD 27, feet)		
East:	1,243,752	
North:	752,705	

Location / Directions:

Water crossing is approximately 20 meters southeast of the FS 22/2370 junction.

Site Comments:

Natural point barriers upstream and downstream on Spoon Creek. OHW = 1.70 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.10
OHW (m)	1.90
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	1.20
Span/Toe Ratio	0.77

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.92
0.92
No
1.40
0.02
No
0.50
No



Mason Conservation District

Site ID: **127S0185**

PI:

Fish Use:

No

Barrier:

SITE	DESCR	IPTION

GENERAL LOCATION	
Road Name:	FS 23
County:	Grays Harbor
1/4 Section:	NE
Section:	34
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.35714	
Longitude:	-123.55334	
WA state plane south (NAD 27, feet)		
East:	1,243,682	
North:	752,745	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Spoon Cr 22.0403
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 50 meters southeast of the FS 23/2370 junction.

downstream on Spoon Creek. OHW = 1.7

Natural point barriers upstream and

SPECIES POTENTIAL

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

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	1.20

1.03

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.24
Rise (m)	1.21
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0186

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 23
County:	Grays Harbor
1/4 Section:	NE
Section:	34
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.35744

Longitude: -123.55226

WA state plane south (NAD 27, feet)

East: 1,243,953

North: 752,842

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Spoon Cr 22.0403
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 2.25 miles southeast of the FS 22/23 junction.

Natural point barrier for andaromous species

downstream on Spoon Creek. OHW = 0.95

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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

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

0.89

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.62
Rise (m)	0.62
Length (m)	11.81
Slope (%)	11.47
Bed Material	No
Outfall Drop (m)	0.49
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

127S0187

Fish Use: Barrier: Yes Yes

PI:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 23
County:	Grays Harbor
1/4 Section:	SE
Section:	27
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.35935	
Longitude:	-123.54880	
WA state plane south (NAD 27, feet)		
East:	1,244,836	
NI - mtl	753 507	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Spoon Cr 22.0403
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 2.45 miles southeast of the FS 22/23 junction.

Natural point barrier for andaromous species

downstream on Spoon Creek. OHW = 3.1

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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	5.30	
OHW (m)	4.15	
Max Depth (m)	0.55	
CHANNEL DESCRIPTION		

2.60

0.70

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.82
1.82
11.98
4.57
No
0.80
0.07
No
0.50
No

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0188

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 23	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	26	
Township:	22N	

07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.36102	
Longitude:	-123.54771	
WA state plane south (NAD 27, feet)		
East:	1,245,130	
North:	754,104	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Spoon Cr 22.0403
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 2.60 miles southeast of the FS 23/22 junction.

Natural point barrier for andaromous species

downstream on Spoon Creek. OHW = 2.65

SPECIES POTENTIAL

 OI OILMINAL	
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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	2.10	
Span/Toe Ratio	0.95	

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.00
Rise (m)	1.98
Length (m)	15.23
Slope (%)	13.64
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.04
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Culvert is beveled upstream.



Mason Conservation District

Site ID:

PI:

127S0189

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: FS 23 County: Grays Harbor 1/4 Section: SW Section: 26

 Township:
 22N

 Range:
 07W

WATERBODY

Stream:	Spoon Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0403
Fish Use:	Yes
FUP Criteria:	Mapped

OWNER

Name:	US Forest Service
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees

47.36357		
-123.54406		
WA state plane south (NAD 27, feet)		
1,246,071		
754,998		

Location / Directions:

Water crossing is approximately 2.85 miles southeast of the FS 22/23 junction.

Site Comments:

Natural point barrier for andaromous species downstream near confluence with WF Satsop. OHW = 4.75 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

PECIES FOTENTIAL			
	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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	3 80	

Toe Width (m)	3.80
Span/Toe Ratio	0.99

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	3.76
Rise (m)	2.40
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Both ends of culvert are beveled. Level A incomplete due to lack of andaromous use.



Mason Conservation District

Site ID:

PI:

127S0190

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION Road Name: FS 23 County: Grays Harbor 1/4 Section: NE Section: 26 Township: 22N

07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.36719	
Longitude:	-123.53041	
WA state plane south (NAD 27, feet)		
East:	1,249,501	
North:	756,188	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	Spoon Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0403
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 3.55 miles east of the FS 22/23 junction.

Natural point barrier for andaromous species

downstream on Spoon Creek. OHW = 4.9

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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	6.50
OHW (m)	8.00
Max Depth (m)	1.30
<u></u>	
CHANNEL DESCRIPTION	

2.75

0.61

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.68
Rise (m)	1.72
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.10
WDIC (m)	0.07
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Level A incomplete due to lack of anadromous



Mason Conservation District

Site ID:

PI:

127S0191

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION			
Road Name:	FS 23		
County:	Grays Harbor		
1/4 Section:	NW		
Section:	25		
Township:	22N		

07W

POSITIONAL DATA

WGS 84, decimal degrees				
Latitude:	47.36649			
Longitude:	-123.52402			
WA state plane south (NAD 27, feet)				
East:	1,251,075			
North:	755,871			

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Spoon Cr 22.0403
WRIA:	22.0404
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 3.9 miles east of the FS 23/22 junction.

Natural point barrier for andaromous species

downstream on Spoon Creek. OHW = 5.0

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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	7.05
OHW (m)	4.85
Max Depth (m)	0.70
CHANNEL DESCRI	PTION

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	SQSH
Material	CST
Span (m)	1.82
Rise (m)	1.09
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Toe Width (m)

3.95 Span/Toe Ratio 0.46

Culvert Comments:

Both ends of culvert are beveled. Pipe 1.2 is on left bank. Level A not completed due to lack of anadromous use.



Mason Conservation District

Site ID:

PI:

127S0191

Fish Use:

Yes

Barrier: Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.18
Rise (m)	1.32
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.43
WDIC (m)	0.11
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank. Level A not completed due to lack of anadromous use.



Mason Conservation District

Site ID:

PI:

127S0192

Fish Use:

Yes

Barrier: Unk

ITF			

GENERAL LOCATION	
Road Name:	FS 23
County:	Grays Harbor
1/4 Section:	NW
Section:	25
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.36634
Longitude:	-123.52380
WA state plane south (NAD 27, feet)	
East:	1,251,127

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
Spoon Cr 22.0403
22.0404
Yes
Mapped

Location / Directions:

Site Comments:

meters.

North:

Water crossing is approximately 3.95 miles east of the FS 22/23 junction.

Natural point barrier for andaromous species

downstream on Spoon Creek. OHW = 5.0

755,816

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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	6.20
Longar (m)	
OHW (m)	4.60
Max Depth (m)	1.10
CHANNEL DESCRIPTION	

3.95

0.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.70
Rise (m)	1.90
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.45
WDIC (m)	0.11
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Level A incomplete due to lack of anadromous use.



Mason Conservation District

Site ID:

PI:

127S0193

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	FS 23
County:	Grays Harbor
1/4 Section:	NE
Section:	25
Township:	22N

07W

Range: WATERBODY

Stream:	Spoon Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0403
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	US Forest Service
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.36840	
Longitude:	-123.51355	
WA state plane south (NAD 27, feet)		
East:	1,253,694	

Location / Directions:

North:

Water crossing is approximately 4.65 miles east of the FS 22/23 junction.

756,469

Site Comments:

5-20 meter vertical falls immediately upstream, natural point barrier. Natural point barrier for andaromous species downstream on Spoon Creek. OHW = 3.1 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	
Repair Status	UD
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.60
OHW (m)	2.45
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	1.95
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.16
Rise (m)	1.05
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.04
Apron	No
Fill Depth (m)	8.00
Tidegate	No

Culvert Comments:

Level A not completed due to lack of anadromous use.



Mason Conservation District

SITE DESCRIPTION

Site ID: 127S0194 Fish Use:
PI: Barrier:

No

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged Road Name: FS 23 WGS 84, decimal degrees Grays Harbor 47.37062 Field Review County: Latitude: -123.50813 Threshold Determination NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 25 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,255,067 07W Physical Survey Range: 757,226 North: WATERBODY Location / Directions: **SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 5.6 miles east Sockeye Sea Run Cutthroat Tributary To: unnamed 22.0387 of the FS 22/23 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, natural point OWNER barrier upstream. Steelhead US Forest Service Name:

LEVEL A ANALYSIS

Type:

SUMMARY INFORMATION

OOMMAN IN O	MINATION
Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Droblom	

Federal

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.07
Rise (m)	1.12
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Angled extension on downstream end.



Mason Conservation District

Site ID:	127S0195	F

Fish Use: No

Barrier:

GENERAL LOCATION		
Road Name:	FS 23	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	34	
Township:	22N	
_	0714/	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.35496	
Longitude:	-123.56248	
WA state plane south (NAD 27, feet)		
East:	1,241,388	
North:	752,038	

PI:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Spoon Cr 22.0403
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.75 miles southeast of the FS 22/23 junction.

SPECIES POTENTIAL

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

OWNER

Name:	US Forest Service
Type:	Federal

Site Comments:

Natural point barrier for andaromous species downstream on Spoon Creek. OHW = 1.55 meters. Gradient barrier upstream and downstream.

LEVEL A ANALYSIS

SUMMARY INFORMATION PLUNGE POOL DESCRIPTION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

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

0.80

1.15

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Mason Conservation District

Site ID:

PI:

47.35859

127S0196

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check

Physical Survey

Report Logged

Field Review

Fish Use:

No

Barrier:

DESCR	

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

GENERAL LOCATION		
Road Name:	FS 23	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	34	
Township:	22N	
Range:	07W	

unnamed

WF Satsop 22.0364

22.0000

Physical

US Forest Service

Federal

POSITIONAL DATA

WGS 84, decimal degrees
Latitude:

Longitude: -123.56852
WA state plane south (NAD 27, feet)

East: 1,239,942

North: 753,418

Location / Directions:

Water crossing is approximately 2.1 miles southeast of FS 22/23 junction.

Site Comments:

Gradient barrier downstream. OHW = 0.7 meters.

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout

Expanded Threshold Determination

Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	1.30

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1		
Shape	RND		
Material	CST		
Span (m)	0.65		
Rise (m)	0.65		
Length (m)			
Slope (%)			
Bed Material	No		
Outfall Drop (m)			
WDIC (m)	0.03		
Apron	No		
Fill Depth (m)	3.00		
Tidegate	No		



Mason Conservation District

Site ID:	127S0197	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

SITE DESCR	IFTION						
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	FS 23	WGS 84, decimal de		Report Logged			
County:	Grays Harbor	Latitude:	47.35925	✓	Field Review	ı	
1/4 Section:	NW	Longitude:	-123.56801		Threshold De	etermination	
Section:	34	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination		
Township:	22N	East:	1,240,079		Downstream	Check	
Range:	07W	North:	753,654		Physical Sur	vey	
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIA	L	
Stream:	unnamed	Water crossing is an	proximately 2.05 miles	□ □	Sockeye	Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364	southeast of the FS 22/23 junction.			Pink	Resident Trout	
WRIA:	22.0000				Chum	Dolly/Bull Trout	
Fish Use:	No	Site Comments:				Brook Trout	
FUP Criteria:	Physical				Chinook Coho	Brown Trout	
OWNER		Gradient barrier downstream.			Steelhead	Brown front	
Name:	US Forest Service						
Type:	Federal						
LEVEL A AN	ALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DE	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN		
Review Date:	6/10/2004	Length (m)		Survey	Туре:		
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawni	ng (sq m)		
Passability (%)		CHANNEL DESCR	IPTION	Rearing	ı (sa m)		듬
Method			11014	1 (34)	(~4 ''')		
Repair Status		Toe Width (m)					

CULVERT DESCRIPTION

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.65
Rise (m)	0.65
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:	127S0198	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

OITE DEGGIN					
GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	FS 23	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.36346	✓	Field Review
1/4 Section:	SE	Longitude:	-123.56853		Threshold Determination
Section:	27	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	22N	East:	1,240,009		Downstream Check
Range:	07W	North:	755,196		Physical Survey
WATERBODY		Location / Direction	is:	SPECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 1.75 miles		Sockeye Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	southeast of the FS			Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			
OWNER		Gradient barrier dow	nstream.		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:	6/10/2004	Length (m)		Survey '	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRI	PTION	Rearing	(sq m)
Method				7	(-1)
Repair Status		Toe Width (m)]	
Problem		Span/Toe Ratio		_	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.28
Rise (m)	1.28
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.50
Tidegate	No



Mason Conservation District

Site ID:	127S0199	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA	ı	EVALU	ATION LEVEL COMPLETED
Road Name:	FS 2372	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.36950	✓	Field Review
1/4 Section:	NE	Longitude:	-123.55892		Threshold Determination
Section:	27	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	22N	East:	1,242,473		Downstream Check
Range:	07W	North:	757,303		Physical Survey
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is an	proximately 1.05 miles	3FECIE	
Tributary To:	WF Satsop 22.0364	northeast of the FS 2			, <u></u>
WRIA:	22.0000				
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout
OWNER		Gradient barrier dow	nstream.		Coho Brown Trout Steelhead
Name:	US Forest Service				
Type:	Federal				
LEVEL A ANA	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	6/10/2004	Length (m)		Survey '	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		. ,	DTION	Rearing	
Method		CHANNEL DESCRI		nealing	(34 111)
Danair Ctatus		Toe Width (m)	2.45		

CULVERT DESCRIPTION

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.48
Rise (m)	1.63
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	
Apron	No
Fill Depth (m)	10.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Culvert is dry, water is flowing through road fill.

0.60



Site ID: 127S0200 Fish Use: No

Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

PI: Barrier: **Mason Conservation District** SITE DESCRIPTION **POSITIONAL DATA GENERAL LOCATION EVALUATION LEVEL COMPLETED**

FS 2372 WGS 84, decimal degrees Road Name: Grays Harbor 47.36947 County: Latitude: -123.55665 NE Longitude: 1/4 Section: Section: 27 WA state plane south (NAD 27, feet) 22N Township: 1,243,037 07W Range: 757,269 North: WATERBODY

Location / Directions:

Stream: unnamed Water crossing is approximately 1.15 miles Tributary To: WF Satsop 22.0364 northeast of the FS 23/2372 junction. WRIA: 22.0000 Fish Use:

Site Comments: FUP Criteria: Physical Gradient barrier downstream. Stream dry at OWNER

US Forest Service Name: Federal Type:

SPECIES	POTENTIAL	
s	ockeye	Sea Run Cutthroat
P	ink	Resident Trout
C	hum	Dolly/Bull Trout
C	hinook	Brook Trout
C	oho	Brown Trout
	teelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

time of sample.

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	1.55

0.70

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.09
Rise (m)	1.12
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Angled extension on downstream end.



Mason Conservation District

Site ID:

PI:

127S0201

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 2372
County:	Grays Harbor
1/4 Section:	NE
Section:	27
Township:	22N
Range:	07W

POSITIONAL DATA

Location / Directions:

Site Comments:

WGS 84, decimal de	egrees
Latitude:	47.36923
Longitude:	-123.55446
WA state plane south (NAD 27 feet)	

1,243,575 East: 757,162 North:

Water crossing is approximately 1.30 miles

Tributary is ephemeral and dry at time of

northeast of the FS 23/2372 junction.

S

PECIES	POTENTIAL		
	Sockeye	~	Sea Run Cutthroat
	Pink	~	Resident Trout
	Chum		Dolly/Bull Trout
	Chinook		Brook Trout
✓	Coho		Brown Trout
	Staalhaad		

WATERBODY

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

OWNER

Name:	US Forest Service
Tyne:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

sample. OHW = 1.55 meters.

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	0.85

1.09

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.96
Length (m)	14.53
Slope (%)	8.92
Bed Material	No
Outfall Drop (m)	4.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Channel is scouring out downstream due to outfall drop of culvert.



Mason Conservation District

Site ID:

PI:

127S0202

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	NE
Section:	26
Township:	22N
Range:	07W

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

OWNER

Name:	US Forest Service
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.37154	
Longitude:	-123.54633	
WA state plane south (NAD 27, feet)		
East:	1,245,620	
North:	757,925	

Location / Directions:

Water crossing is approximately 1.75 miles northeast of the FS 23/2372 junction.

Site Comments:

Stream has well defined channel US/DS, but is ephemeral. Confluence with the WF Satsop is approximately 150 meters downstream of culvert. OHW = 4.75 meters.

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
✓	Coho	Brown Trout
	Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	Ok
Problem	

PLUNGE POOL DESCRIPTION

(m)		
(m)		
epth (m)		
CHANNEL DESCRIPTION		
idth (m)	2.40	
oe Ratio	0.84	
epth (m) NEL DESCRIPT idth (m)	2.40	

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	2.02
Rise (m)	1.58
Length (m)	9.93
Slope (%)	1.64
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

US end of culvert is beveled and looks to be recently replaced.



Mason Conservation District

Site ID:

PI:

127S0203

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION			
Road Name:	FS 2372		
County:	Grays Harbor		
1/4 Section:	SW		
Section:	23		
Township:	22N		
Range:	07W		

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.37442	
Longitude:	-123.54091	
WA state plane south (NAD 27, feet)		
East:	1,247,004	
North:	758,925	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:OHW = 5.10 meters.

Water crossing is approximately 2.10 miles northeast of the FS 23/2372 junction.

SPECIES POTENTIAL

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

OWNER

Name:	US Forest Service
Гуре:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	3.00	
Span/Toe Ratio	0.94	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	2.81
Rise (m)	1.94
Length (m)	10.08
Slope (%)	4.76
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Culvert is beveled on both ends. Upstream is a bar diversion placed in stream. Riffles directly downstream, no plunge pool measurements.



Mason Conservation District

Site ID:

PI:

127S0204

EVALUATION LEVEL COMPLETED Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

	LOCA	

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	22N
Range:	07W

POSITIONAL DATA

Location / Directions:

Site Comments:

WGS 84, decimal de	egrees
Latitude:	47.38116
Longitude:	-123.53592
WA state plane south (NAD 27_feet)	

East: 1,248,334 761,332 North:

Water crossing is approximately 2.60 miles

Confluence with WF Satsop is approximately 80

meters downstream. OHW = 3.40 meters.

northeast of the FS 23/2372 junction.

S

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

WATERBODY

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

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.80
OHW (m)	3.55
Max Depth (m)	0.80

CHANNEL DESCRIPTION

Toe Width (m)	1.65
Span/Toe Ratio	0.68

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.12
1.12
27.72
9.22
No
0.65
0.03
No
7.00
No



Mason Conservation District

Site ID:

PI:

127S0205

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2372.1
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.38206
Longitude:	-123.53641
WA state plane south (NAD 27, feet)	
East:	1,248,225
North:	761,667

EVALUATION LEVEL COMPLETED

ninatior

WATERBODY

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

Location / Directions:

Site Comments:

OHW = 3.40 meters.

Water crossing is approximately 0.10 miles northeast of the FS 2372/2372.1 junction.

Road is washing out on right bank side of pipe.

PECIES 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:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.05	
OHW (m)	3.85	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	ELL
Material	CST
Span (m)	1.91
Rise (m)	2.33
Length (m)	11.91
Slope (%)	13.23
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.06
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Length (m)	4.05
OHW (m)	3.85
Max Depth (m)	0.65
CHANNEL DESCRIPTION	

Toe Width (m)	1.65
Span/Toe Ratio	1.16

Culvert Comments:

Culvert has is banana shaped with road washing away around it on right bank side.



Mason Conservation District

Site ID:

PI:

127S0206

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2372.1
County:	Grays Harbor
1/4 Section:	NE

 Section:
 23

 Township:
 22N

 Range:
 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 WF Satsop 22.0364

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: US Forest Service
Type: Federal

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.38369

 Longitude:
 -123.53549

 WA state plane south (NAD 27, feet)

East: 1,248,475

North: 762,252

Location / Directions:

Water crossing is approximately 0.25 miles northeast of the FS 2372/2372.1 junction.

Site Comments:

Tributary is ephemeral with water only in plunge pool. OHW = 4.0 meters.

EVALUATION LEVEL COMPLETED

Report Logged	d
---------------	---

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

Brook I rout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	7.50
OHW (m)	4.00
Max Depth (m)	1.00

CHANNEL DESCRIPTION

Toe Width (m)	3.08
Span/Toe Ratio	0.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.31
1.26
14.79
8.00
No
6.00
0.00
No
4.00
No

Culvert Comments:

Downstream end of culvert is scoured out and very dangerous. Passability is most likely near or at zero.



Mason Conservation District

Site ID:

PI:

127S0207

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	NE
Section:	23
Township:	22N
Range:	07W

WATERBODY

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

OWNER

Name:	US Forest Service
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.38293	
Longitude:	-123.53462	
WA state plane south (NAD 27, feet)		
East:	1,248,681	
North:	761,966	

Location / Directions:

Water crossing is approximately 2.70 miles northeast of the FS 23/2372 junction.

Site Comments:

Confluence with the WF Satsop is approximately 20 meters downstream of culvert. Tributary is ephemeral. OHW = 4.0 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES POTENTIAL					
Sc	ockeye	✓ Sea Run Cutthroa			
Pi	nk	✓ Resident Trout			
Ch	num	Dolly/Bull Trout			
Ch	ninook	Brook Trout			
✓ Co	oho	Brown Trout			
St	eelhead				

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.40
OHW (m)	2.45
Max Depth (m)	0.65

CHANNEL DESCRIPTION

Toe Width (m)	3.08
Span/Toe Ratio	0.41

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
1.26
1.26
11.56
5.88
No
4.50
0.00
No
1.50
No

Culvert Comments:



Mason Conservation District

Site ID: **127S0208** F

Length (m):

Spawning (sq m)

Rearing (sq m)

Fish Use:

No

Barrier:

GENERAL LOCA	TION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	FS 2372	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.38348	✓	Field Review	
1/4 Section:	NE	Longitude:	-123.53369		Threshold Dete	ermination
Section:	23	WA state plane south	n (NAD 27, feet)		Expanded Three	eshold Determination
Township:	22N	East:	1,248,918		Downstream C	heck
Range:	07W	North:	762,159		Physical Surve	у
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is approximately 2.80 miles northeast of the FS 23/2372 junction. Site Comments: Natural point barrier downstream.		3FECIL	Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364				Pink	
WRIA:	22.0000				Chum	Resident Trout
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical				Chinook	Brook Trout
OWNER					Coho Steelhead	Brown Trout
Name:	US Forest Service					
Type:	Federal					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DES	SCRIPTION	POTEN	ITIAL HABITAT	GAIN
Review Date:	6/10/2004	Length (m)		Survey	Type:	

CULVERT DESCRIPTION

Field Crew:

Passability (%)

Barrier

Method Repair Status Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.13
Rise (m)	1.04
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.04
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Glore/Blatt

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

Toe Width (m)	1.45
Span/Toe Ratio	0.78

Culvert Comments:



Mason Conservation District

Site ID: 127S0209

PI:

Fish Use:

No

Barrier:

GENERAL LOCATION

CENERAL LOCATION	
Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	NW
Section:	24
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.38757	
Longitude:	-123.52534	
WA state plane south (NAD 27, feet)		
East:	1,251,043	
North:	763,569	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

Water crossing is approximately 3.30 miles north of the FS 23/2372 junction.

Natural point barrier for anadromous species

downstream on WF Satsop. Confluence with WF Satsop 80 meters downstream.

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

Length (m)	1.10
OHW (m)	0.80
Max Depth (m)	0.25

POTENTIAL HABITAT GAIN

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

LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	0.80
Max Depth (m)	0.25
CHANNEL DESCRIPTION	

CULVERT DESCRIPTION

Soguencor:	1.1
Sequencer:	
Shape	RND
Material	CST
Span (m)	1.85
Rise (m)	1.85
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.60
WDIC (m)	0.05
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Length (m)	1.10
OHW (m)	0.80
Max Depth (m)	0.25

Toe Width (m)	1.10
Span/Toe Ratio	1.68

Culvert Comments:

Recently installed culvert sits atop old failing pipe. Old pipe is filled with substrate and not passing any water. Downstream end of culvert is beveled.



Mason Conservation District

Site ID:	127S0210	Fish Use:	No
PI:		Barrier:	

SITE DESCR	IPTION					
GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED	
Road Name:	FS 2372	WGS 84, decimal degr	WGS 84, decimal degrees		Report Logged	
County:	Grays Harbor	Latitude:	47.38861	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.52314		Threshold Determination	
Section:	13	WA state plane south (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,251,602		Downstream Check	
Range:	07W	North:	763,926		Physical Survey	
WATERBODY		Location / Directions:		SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is appr	oximately 3.45 miles	3FECIL	Sockeye Sea Run Cutthro	nat
Tributary To:	WF Satsop 22.0364	north of the FS 23/237				aı
WRIA:	22.0000				Pink ✓ Resident Trout Chum Dolly/Bull Trout	
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout Coho Brown Trout	
OWNER		Natural point barrier for downstream on WF Sa	r anadromous species atsop. Severe scour on		Steelhead Brown frout	
Name:	US Forest Service	left bank downstream.	OHW = 1.60 meters.			
Type:	Federal					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DESC	RIPTION	POTEN	ITIAL HABITAT GAIN	
Review Date:	6/17/2004	Length (m)		Survey	Type:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRIPT	ION	Rearing	a (sa m)	
Method						
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				
CULVERT DESC	RIPTION					

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.65
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Outfall drop is directly onto rip-rap pile, no plunge pool measurement.



Mason Conservation District

Site ID: 127S0211

PI:

Fish Use: Barrier:

No

SITE DESCRIPTION

GENERAL LOCATION FS 2372 Road Name: Grays Harbor County: 1/4 Section: Section: 13

22N

07W

Range: WATERBODY

WATERBODT	
Stream:	unnamed
Tributory To:	ME Satson 22

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

OWNER

Township:

Name:	US Forest Service
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees

47.39120 Latitude: -123.51616 Longitude: WA state plane south (NAD 27, feet) 1,253,364

764,804

Location / Directions:

North:

Water crossing is approximately 3.80 miles north of the FS 23/2372 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. Ephemeral stream dry at time of survey. OHW = 1.78 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
V	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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.20
OHW (m)	3.08
Max Depth (m)	0.90

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.32
Rise (m)	1.32
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.34
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Scour on right bank, downstream of culvert.



Mason Conservation District

Site ID:

PI:

127S0212

Fish Use:

No

Barrier:

SIT	ΓF	DF	SC	RΙ	PT	ON
J	_	$\boldsymbol{\nu}$ L				U

GENERAL LOCATION	
Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	SE
Section:	13
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.39380	
Longitude:	-123.51316	
WA state plane south (NAD 27, feet)		
East:	1,254,144	

765,724

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

meters.

North:

Water crossing is approximately 4.05 miles north of the FS 23/2372 junction. $\label{eq:proposition}$

Natural point barrier for anadromous species

downstream on WF Satsop. OHW = 1.95

SPECIES POTENTIAL

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

OWNER

Name:	US Forest Service
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.84
011147 ()	2.00
OHW (m)	3.08
Max Depth (m)	0.56
CHANNEL DESCRI	PTION
Toe Width (m)	0.96

0.99

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.97
Rise (m)	0.97
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.30
WDIC (m)	0.03
Apron	No
Fill Depth (m)	8.00
Tidegate	No

Span/Toe Ratio

Culvert Comments:

Culvert is beveled and modified on downstream



Mason Conservation District

Site ID: 127S0213

PI:

Fish Use:

No

Barrier:

SITE	DESCRIP	MOIT
91 I L	PEGGINII	11011

GENERAL LOCATION

Road Name:	FS 2374
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	22N

07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.39768	
Longitude:	-123.51296	
WA state plane south (NAD 27, feet)		
East:	1,254,248	
North:	767,136	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

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

Location / Directions:

Site Comments:

= 1.30 meters.

Water crossing is approximately 4.35 miles north of the FS 23/2372 junction.

Natural point barrier for anadromous species

downstream on WF Satsop. Intermittent subsurface flows downstream of culvert. OHW

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:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.51
OHW (m)	3.05
Max Depth (m)	0.59
CHANNEL DESCRIPTION	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.41
Rise (m)	1.41
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	3.05
WDIC (m)	0.02
Apron	No
Fill Depth (m)	9.00
Tidegate	No

Toe Width (m) 0.70 Span/Toe Ratio 2.00

Culvert Comments:

Downstream end of pipe is beveled.



Mason Conservation District

Site ID:

PI:

767,963

127S0214

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Road Name:	FS 2372
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.39991	
Longitude:	-123.51421	
WA state plane south (NAD 27, feet)		
East:	1,253,970	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

meters.

North:

Water crossing is approximately 4.50 miles north of the FS 23/2372 junction. $\label{eq:proposition}$

Natural point barrier for anadromous species

downstream on WF Satsop. OHW = 1.65

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:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.51	
OHW (m)	1.16	
Max Depth (m)	0.53	
CHANNEL DESCRIPTION		

0.94

1.43

POTENTIAL HABITAT GAIN

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

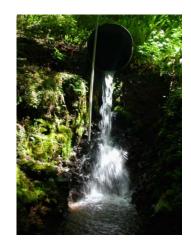
CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.34
Rise (m)	1.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	3.80
WDIC (m)	0.02
Apron	No
Fill Depth (m)	7.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0215

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Road Name: FS 2364 County: Grays Harbor 1/4 Section: NE Section: 13 Township: 22N

07W

WATERBODY

Range:

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

OWNER

Name:	US Forest Service
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.40217
Longitude:	-123.51011
WA state plane south (NAD 27, feet)	
East:	1,255,016

768,746

Location / Directions:

North:

Water crossing is approximately 0.40 miles southeast of the FS 2372/2364 junction.

Site Comments:

Natural point barrier for anadromous species downstream on WF Satsop. OHW = 1.97 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	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:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.10
OHW (m)	2.33
Max Depth (m)	0.68

CHANNEL DESCRIPTION

Toe Width (m)	0.71
Span/Toe Ratio	1.83

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.30
Rise (m)	1.30
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.08
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Abundant LWD and debris upstream and downstream, gradient barrier upstream of culvert.



Mason Conservation District

Site ID: **127S0216**

PI:

Fish Use:

se: No

Barrier:

SITE	DESCRIPTION

GENERAL LOCATION	
Road Name:	FS 2364
County:	Grays Harbor
1/4 Section:	NE
Section:	13
Township:	22N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude:	47.39977		
Longitude:	-123.50555		
WA state plane south (NAD 27, feet)			
East:	1,256,111		
North:	767,830		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

downstream on WF Satsop.

Water crossing is approximately 0.80 miles southeast of the FS 2372/2364 junction.

Natural point barrier for anadromous species

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:	6/17/2004
Field Crew:	Glore/Blatt
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)	0.93				
Rise (m)	0.93				
Length (m)					
Slope (%)					
Bed Material	No				
Outfall Drop (m)	4.50				
WDIC (m)	0.00				
Apron	No				
Fill Depth (m)	3.00				
Tidegate	No				
Tidegate	No				

Culvert Comments:



Mason Conservation District

Site ID: 127S0217

PI:

Fish Use: No

Barrier:

SITE	DES	CRII	PTION

SITE DESCR	IPTION						
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED		
Road Name:	FS 2364	WGS 84, decimal degrees			Report Logged		
County:	Grays Harbor	Latitude:	47.39943	✓	Field Review		
1/4 Section:	NE	Longitude:	-123.50531		Threshold Determination		
Section:	13	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination		
Township:	22N	East:	1,256,166		Downstream (Check	
Range:	07W	North:	767,701		Physical Surv	ey	
WATERBODY		Location / Directions	s:	SPECIE	ES POTENTIAL		
Stream:	unnamed	Water crossing is app	roximately 0.80 miles	□ D	Sockeye	Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364	southeast of the FS 2	372/2364 junction. 25		Pink	Resident Trout	
WRIA:	22.0000	meters further southe	ast than 12750216.		Chum	Dolly/Bull Trout	
Fish Use:	No				Chinook	Brook Trout	
FUP Criteria:	Physical	Site Comments:			Brown Trout		
OWNER			Natural point barrier for anadromous species downstream on WF Satsop.		Coho Brown Trout Steelhead		
Name:	US Forest Service		•				
Type:	Federal						
LEVEL A AN	ALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DES	CRIPTION	POTEN	ITIAL HABITAT	GAIN	
Review Date:	6/17/2004	Length (m)		Survey	Туре:		
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawni	ng (sq m)		
Passability (%)		CHANNEL DESCRIP	TION	Rearing (sq m)			
Method			TION	rtoaring	, (04 111)		
Repair Status		Toe Width (m)					

CULVERT DESCRIPTION

Problem

1.1
RND
CST
0.94
0.94
No
0.02
No
No

Culvert Comments:

Span/Toe Ratio

Downstream end of culvert is deformed, no plunge pool or outfall measurement as culvert pours out onto bedrock slide.



Mason Conservation District

Site ID:

PI:

127S0218

Fish Use:

No

Barrier:

SIT			

GENERAL LOCATION		
Road Name:	FS 2372	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	12	
Township:	22N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.40574	
Longitude:	-123.51814	
WA state plane south (NAD 27, feet)		
East:	1,253,077	
North:	770,124	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 4.95 miles north of the FS 23/2372 junction. $\label{eq:proposition}$

Natural point barrier for anadromous species

downstream on WF Satsop. OHW = 2.08

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:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	4.10	
OHW (m)	3.05	
Max Depth (m)	0.56	
CHANNEL DESCRIPTION		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.31
Rise (m)	1.31
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.58
WDIC (m)	0.00
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Toe Width (m)	
Span/Toe Ratio	

Culvert Comments:

Stream dry at time of sample.



Mason Conservation District

Site ID:	127S0219	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2372 WGS 84, decimal degrees Report Logged Road Name: Grays Harbor 47.40693 Field Review Latitude: County: Threshold Determination -123.52008 SW 1/4 Section: Longitude: **Expanded Threshold Determination** Section: 12 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,252,614 07W Physical Survey 770,574 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 5.05 miles Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 north of the FS 23/2372 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 for anadromous species **OWNER** downstream on WF Satsop. No defined stream Steelhead channel, perennials growing throughout channel. OHW < 0.60 meters. **US Forest Service** Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 6/17/2004 Length (m) Survey Type: Glore/Blatt 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)	1.09
Rise (m)	1.09
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID: 127S0220 Fish Use: PI: Barrier:

No

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged FS 2372 WGS 84, decimal degrees Road Name: Grays Harbor 47.41481 Field Review Latitude: County: Threshold Determination -123.53250 Longitude: 1/4 Section: NE **Expanded Threshold Determination** Section: 11 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,249,651 07W Physical Survey Range: 773,567 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 5.95 miles Sockeye Sea Run Cutthroat north of the FS 23/2372 junction. Tributary To: WF Satsop 22.0364 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 for anadromous species OWNER downstream on WF Satsop. Steelhead **US Forest Service** Name: Federal Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	6.95			
OHW (m)	5.85			
Max Depth (m)	1.12			
CHANNEL DESCRIPTION				

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Coguenoor	1.1
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.78
Rise (m)	1.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Perennial stream enters 2 meters downstream of culvert on right bank.



Mason Conservation District

Site ID:	127S0221	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged FS 2372 WGS 84, decimal degrees Road Name: Grays Harbor 47.41708 **~** Field Review Latitude: County: -123.52872 Threshold Determination Longitude: 1/4 Section: SE **Expanded Threshold Determination** Section: 2 WA state plane south (NAD 27, feet) Downstream Check 22N Township: 1,250,619 07W Physical Survey Range: 774,356 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 6.25 miles Sockeye Sea Run Cutthroat Tributary To: WF Satsop 22.0364 north of the FS 23/2372 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 for anadromous species **OWNER** downstream on WF Satsop. OHW = 0.92 Steelhead meters. US Forest Service Name: Federal Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 6/17/2004 Length (m) Survey Type: Glore/Blatt 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

CULVERT DESCRIPTION

Problem

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.02
Rise (m)	1.02
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Stream dry at time of sample. Culvert 1.2 is located on left bank.



Site ID:

PI:

127S0221

Fish Use:

Barrier:

No

Mason Conservation District

CULVERT DESCRIPTION

2.2 Sequencer: RND Shape CST Material 1.02 Span (m) Rise (m) 1.02 Length (m) Slope (%) No Bed Material Outfall Drop (m) 0.00 WDIC (m) 0.00 Apron No 1.50 Fill Depth (m) Tidegate No

Culvert Comments:

Culvert 2.2 is located on right bank.



Mason Conservation District

Site ID:

PI:

127S0222

Fish Use:

No

Barrier:

CIT	re		CC	CR	IDT	101	A
OI I		u	ᆮᇰ	ᅜᅑ	IP I	IUI	N

GENERAL LOCATION		
Road Name:	FS 2372	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	2	
Township:	22N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude:	47.42247		
Longitude:	-123.53126		
WA state plane south (NAD 27, feet)			
East:	1,250,066		
North:	776,345		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 6.75 miles north of the FS 23/2372 junction.

Natural point barrier for anadromous species

downstream on WF Satsop. OHW = 2.87

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:	6/17/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	5.08	
OHW (m)	2.88	
Max Depth (m)	1.10	
CHANNEL DESCRIPTION		

1.37

0.79

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

_	
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.08
Rise (m)	1.08
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.38
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Very steep upstream, probable gradient barrier. Abundant LWD downstream of culvert.



Mason Conservation District

Site ID:

PI:

47.31432

127S0223

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

CENERAL ECONTRICK		
Road Name:	600	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	14	
Township:	21N	
Range:	07W	

unnamed

Little R 22.0398

22.0000

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	_

-123.54052 Longitude:

WA state plane south (NAD 27, feet)

1,246,255 737,013 North:

Location / Directions:

Water crossing is approximately 20 meters east of the 600/650 junction.

Site Comments:

OHW = 3.0 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
~	Coho	Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/22/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.55
OHW (m)	2.80
Max Depth (m)	0.30

CHANNEL DESCRIPTION

Toe Width (m)	2.05
Span/Toe Ratio	0.45

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	31.89
Slope (%)	6.78
Bed Material	No
Outfall Drop (m)	1.20
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Downstream end of culvert is rusted out on



Mason Conservation District

Site ID:

PI:

127S0224

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:	600
County:	Grays Harbor
1/4 Section:	NE
Section:	14
Township:	21N

07W

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

of the WF Satsop bridge.

Site Comments:

OHW > 0.60 meters.

 Latitude:
 47.31342

 Longitude:
 -123.53349

 WA state plane south (NAD 27, feet)

East: 1,247,985 North: 736,620

Water crossing is approximately 2.15 miles east

SPECIES POTENTIA

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

WATERBODY

Range:

 Stream:
 unnamed

 Tributary To:
 Little R 22.0398

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

PLUNGE POOL DESCRIPTION

Length (m)	4.90
OHW (m)	1.55
Max Depth (m)	0.29

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.33
Rise (m)	1.04
Length (m)	39.05
Slope (%)	9.69
Bed Material	No
Outfall Drop (m)	1.21
WDIC (m)	0.04
Apron	No
Fill Depth (m)	9.00
Tidegate	No

Culvert Comments:

Plunge pool is scoured out bedrock. Culvert 1.2 is located on left bank.



Mason Conservation District

Site ID:

PI:

127S0224

Fish Use:

Yes

Barrier: Yes

CULVERT DESCRIPTION

2.2
RND
CST
1.29
1.16
38.58
9.85
No
0.85
0.03
No
9.00
No

Culvert Comments:

Culvert 2.2 is located on right bank.



Mason Conservation District

Site ID: 127S0225 Fish Use: No PI: Barrier:

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged Road Name: 600 WGS 84, decimal degrees Grays Harbor 47.31087 Field Review County: Latitude: Threshold Determination -123.52758 Longitude: 1/4 Section: NE **Expanded Threshold Determination** Section: 14 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,249,414 07W Physical Survey Range: 735,634 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 2.70 miles east Sockeye Sea Run Cutthroat Tributary To: unnamed 22.0378 of the WF Satsop bridge. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.50 meters. OWNER Steelhead en Diamond Resource Comp Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/22/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.30	
OHW (m)	1.75	
Max Depth (m)	0.21	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

_	
Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.20
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Downstream channel is excavated, not able to obtain toe measurement. OHW measurement was 0.5 meters.



Mason Conservation District

Site ID:

PI:

47.31088

127S0226

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	

Longitude:	-123.52201
WA state plane sout	h (NAD 27, feet)
East:	1,250,796
No włb.	735 585

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0378
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 2.95 miles east of the WF Satsop bridge. Culvert located at the 600/615 junction.

Site Comments:OHW = 2.15 meters.

SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
	Staalhaad	

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/22/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	6.90
OHW (m)	4.15
Max Depth (m)	1.05
CHANNEL DESCRIPTION	

1.50

0.51

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.76
0.76
30.03
5.64
No
1.15
0.03
No
6.00
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



22.0000

Physical

en Diamond Resource Comp

Private

Mason Conservation District

Site ID: 127S0227

PI:

Fish Use:

No

Barrier:

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** FS 2370.1 Report Logged Road Name: WGS 84, decimal degrees Grays Harbor 47.32632 Field Review County: Latitude: Threshold Determination -123.52082 NWLongitude: 1/4 Section: **Expanded Threshold Determination** Section: 12 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,251,306 07W Physical Survey Range: 741,201 North: WATERBODY Location / Directions: SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 1.20 miles Tributary To: Little R 22.0398

north of the 2260/2370 junction.

Site Comments:

Stream starts to braid 5 meters downstream. OHW = 0.55 meters.

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

LEVEL A ANALYSIS

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

SUMMARY INFORMATION

Review Date:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.71
Rise (m)	0.71
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

No plunge pool due to larger log creating natural weir downstream.



Mason Conservation District

Site ID:

PI:

127S0228

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION **GENERAL LOCATION**

Road Name:	FS 2370.1
County:	Grays Harbor
1/4 Section:	NW

12 Section: 21N Township: 07W

WATERBODY

Range:

Stream: unnamed Tributary To: Little R 22.0398 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

OWNER

en Diamond Resource Comp Name: Private Type:

POSITIONAL DATA

WGS 84, decimal degrees

47.32747 Latitude: -123.51978 Longitude: WA state plane south (NAD 27, feet)

1,251,578 741,610 North:

Location / Directions:

Water crossing is approximately 1.30 miles north of the FS 2260/2370 junction.

Site Comments:

Confluence with larger stream 30 meters downstream of culvert. OHW = 0.6 meters.

EVALUATION LEVEL COMPLETED

	Report	Logged
--	--------	--------

Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

	Sockeye
_	

Pink Chum

Chinook

V Coho

Steelhead

,	Sea	Run	Cutthroat
•	Sea	Kuli	Cullinoal

Resident Trout

Dolly/Bull Trout **Brook Trout**

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.40
OHW (m)	0.95
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	0.39
Span/Toe Ratio	1.90

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.74
Rise (m)	0.74
Length (m)	18.69
Slope (%)	12.79
Bed Material	No
Outfall Drop (m)	0.15
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0229

Fish Use:

Barrier:

Yes

Yes

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	FS 2370.1	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	12	
Township:	21N	

07W

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Com
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude: 47.32797		
Longitude:	-123.52011	
WA state plane south (NAD 27, feet)		
East:	1,251,504	

741,795

Location / Directions:

North:

Water crossing is approximately 1.35 miles north of the FS 2260/2370 junction. $\label{eq:proposition}$

Site Comments:

Culvert seems to be recently replaced with riprap controls downstream. OHW = 1.60 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES POTENTIAL			
Sock	кеуе	√ S	Sea Run Cutthroat
Pink		√ R	Resident Trout
Chui	m		Oolly/Bull Trout
Chin	ook	B	Brook Trout
✓ Coh	o	B	Brown Trout
✓ Stee	lhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	2/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	IPTION
Toe Width (m)	0.70

3.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.20
Length (m)	24.94
Slope (%)	5.78
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffles downstream of culvert with no plunge pool. Culvert 1.2 is located on left bank.



Mason Conservation District

Site ID:

PI:

127S0229

Fish Use:

Barrier:

Yes

Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.20
Length (m)	24.67
Slope (%)	4.48
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Rip-rap directly downstream of culvert. Culvert 2.2 is located on right bank.



Mason Conservation District

Site ID: **127S0230** PI:

Fish Use: No

Barrier:

		IPT	

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	FS 2370	WGS 84, decimal de	grees		Report Logged	
County:	Grays Harbor	Latitude:	47.34638	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.52460		Threshold Deter	rmination
Section:	36	WA state plane soutl	h (NAD 27, feet)		Expanded Thres	shold Determination
Township:	22N	East:	1,250,649		Downstream Ch	neck
Range:	07W	North:	748,548		Physical Survey	
WATERBODY		Location / Direction	is:	SPECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 3.95 miles		Sockeye	Sea Run Cutthroat
Tributary To:	Little R 22.0398	north of the FS 2260			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER	-	Gradient barrier upstream and downstream, steel debris grate on upstream end.			Coho Steelhead	Brown Trout
Name:	US Forest Service			_		
Туре:	Federal					
LEVEL A ANA		DLUNCE DOOL DE	CODIDTION	DOTEN	ITIAI HADITAT O	-AIN

SUMMARY INFORMATION		PLUNGE POOL DE	PLUNGE POOL DESCRIPTION		IN
Review Date:	6/24/2004	Length (m)		Survey Type:	
Field Crew:	Glore/Blatt	OHW (m)		Length (m):	
Barrier		Max Depth (m)		Spawning (sq m)	
Passability (%)		CHANNEL DESCR	IPTION	Rearing (sq m)	
Method			_	rtearing (eq iii)	
Repair Status		Toe Width (m)	0.33		
Problem		Span/Toe Ratio	3.06		

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.01
Rise (m)	0.75
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	
Apron	No
Fill Depth (m)	4.50
Tidegate	No

Culvert Comments:

Stream flows directly into rip-rap cascades downstream of culvert.



Mason Conservation District

Site ID:	127S0231	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

SITE DESCRI	IF I ION						
GENERAL LOCA	TION	POSITIONAL DATA	1	EVALU	ATION LEVEL	L COMPLETED	
Road Name:	FS 2260.2	WGS 84, decimal de	egrees		Report Logg	ed	
County:	Grays Harbor	Latitude:	47.33978	✓	Field Review	ı	
1/4 Section:	NE	Longitude:	-123.53538		Threshold De	etermination	
Section:	2	WA state plane sout	th (NAD 27, feet)		Expanded Ti	hreshold Determination	
Township:	21N	East:	1,247,885		Downstream	Check	
Range:	07W	North:	746,244		Physical Sur	vey	
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIA	L	
Stream:	unnamed	Water crossing is ap	proximately 3.10 miles	□ □	Sockeye	Sea Run Cutthroat	
Tributary To:	Little R 22.0398	north of the FS 2260			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		Downstream end of downed log. OHW	culvert is covered by < 0.6 meters.		Steelhead	Blown frout	
Name:	US Forest Service						
Type:	Federal						
LEVEL A ANA	ALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITA	T GAIN	
Review Date:	6/24/2004	Length (m)		Survey	Туре:		
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawni	ng (sq m)		Ī
Passability (%)		CHANNEL DESCRI	PTION	Rearing	• • • •		ᆿ
Method			11014	1	, (~4 !!!)		
Repair Status		Toe Width (m)					

CULVERT DESCRIPTION

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

-123.52053

127S0232

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:	600	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	13	
Township:	21N	
Range:	07W	

POSITIONAL DATA

Location / Directions:

Site Comments:

west of the Canyon R Bridge.

Longitude:

WGS 84, decimal de	grees
Latitude:	47.31053

WA state plane south (NAD 27, feet)

1,251,156 735,444 North:

Water crossing is approximately 1.25 miles

SI

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

WATERBODY

Stream:	unnamed
Tributary To:	Canyon R 22.0377
WRIA:	22.0378
Fish Use:	Yes
FUP Criteria:	Mapped
or Cillella.	Mapped

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.10
OHW (m)	2.20
Max Depth (m)	0.17

CHANNEL DESCRIPTION

Toe Width (m)	0.95
Span/Toe Ratio	0.96

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

1.1
RND
CST
0.91
0.91
26.17
6.70
No
0.00
0.23
No
7.00
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0233

Fish Use:

No

Barrier:

SITE	DESCR	IPTION

GENERAL LOCATION	
Road Name:	614
County:	Grays Harbor
1/4 Section:	SW
Section:	12
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.31610	
Longitude:	-123.52155	
WA state plane south (NAD 27, feet)		
East:	1,250,982	
North:	737,483	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0378
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

wash out downstream.

Water crossing is approximately 0.70 miles north of the FS 2260/614 junction.

Gradient barrier upstream. Road beginning to

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:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.20	
OHW (m)	1.60	
Max Depth (m)	0.29	
CHANNEL DESCRIPTION		
Toe Width (m)	0.78	

1.59

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1	
RND	
CST	
1.24	
1.24	
No	
0.86	
0.03	
No	
6.00	
No	

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0234

Fish Use:

No

Barrier:

SITE DESCRIPTION	١
GENERAL LOCATION	

Road Name:	600
County:	Grays Harbor
1/4 Section:	NW
Section:	13
Township:	21N

07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30811	
Longitude:	-123.51980	
WA state plane south (NAD 27, feet)		
East:	1,251,304	
North:	734,554	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	unnamed 22.0378
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.05 miles west of the Canyon R bridge.

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

Site Comments: Channel has pere

Channel has perennial growth throughout. Confluence with larger stream 50 meters downstream. OHW = 0.40 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.25
OHW (m)	1.25
Max Depth (m)	0.35
CHANNEL DESCRIPTION	

0.40

1.18

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1		
RND		
PCC		
0.47		
0.47		
No		
0.70		
0.01		
No		
3.50		
No		

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0235

Fish Use:

No

Barrier:

SITE DE	ESCRIPTIO	N
GENERAL	L LOCATION	

FS 2260.1 Road Name: Grays Harbor County: NE 1/4 Section: Section: 13 21N Township:

07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30748	
Longitude:	-123.51543	
WA state plane south (NAD 27, feet)		
East:	1,252,379	
North:	734,281	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

unnamed
Canyon R 22.0377
22.0000
No
Physical

Location / Directions:

Site Comments: OHW = 0.48 meters.

Water crossing is approximately 0.65 miles north of the FS 2260/2260.1 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:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.50	
OHW (m)	1.60	
Max Depth (m)	0.18	
CHANNEL DESCRIPTION		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.13
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Length (m)	2.50	
OHW (m)	1.60	
Max Depth (m)	0.18	

Toe Width (m)	0.32
Span/Toe Ratio	1.91

Culvert Comments:

Downstream end of culvert is beginning to rust away, stream has intermittent subsurface flows.



Mason Conservation District

Site ID:

PI:

127S0236

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	600
County:	Grays Harbor
1/4 Section:	SW
Section:	13
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30291	
Longitude:	-123.51629	
WA state plane south (NAD 27, feet)		
East:	1,252,102	
North:	732,624	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0378
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

meters.

Water crossing is approximately 0.65 miles west of the Canyon R bridge.

Small stream with incised channel. Upstream

delivery to culvert is excavated. OHW = 0.75

SPECIES POTENTIAL

PECIE	3 FUTENTIAL	
	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:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	3.90
OHW (m)	1.50
Max Depth (m)	0.20
CHANNEL DESCR	IPTION
Toe Width (m)	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	10.65
Slope (%)	5.23
Bed Material	No
Outfall Drop (m)	0.64
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Last section of culvert has dislodged and lies in plunge pool.



Mason Conservation District

Site ID: **127S0237**

PI:

Fish Use:

No

Barrier:

S	IT	Ε	D	ES	CR	IP.	TIC	OI	٧
---	----	---	---	----	----	-----	-----	----	---

GENERAL LOCATION Road Name: 600 County: Grays Harbor 1/4 Section: SW Section: 18 Township: 21N Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees				
Latitude:	47.30278			
Longitude:	-123.50475			
WA state plane south (NAD 27, feet)				
East:	1,254,961			
North:	732,469			

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
Canyon R 22.0377
22.0000
No
Physical

Location / Directions:

Site Comments: OHW < 0.60 meters.

Water crossing is approximately 0.35 miles east of the Canyon R bridge.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/24/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

2.03

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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

Culvert Comments:

Span/Toe Ratio

Culvert has an extension on downstream end. Gradient barrier immediately upstream, another road (500 line) crossing is visible 30 meters upstream.



Mason Conservation District

Site ID: 127S0238 Fish Use: PI:

Rearing (sq m)

No

Barrier:

SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged 500 WGS 84, decimal degrees Road Name: Grays Harbor 47.29616 Field Review Latitude: County: Threshold Determination -123.51011 Longitude: 1/4 Section: NE **Expanded Threshold Determination** Section: 24 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,253,539 07W Physical Survey Range: 730,107 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 5.40 miles Sockeye Sea Run Cutthroat Tributary To: Canyon R 22.0377 north of the FS 2087(500 line)/Boundary 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 < 0.6 meters. **OWNER** Steelhead en Diamond Resource Comp Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 6/24/2004 Length (m) Survey Type: Glore/Blatt Field Crew: Length (m): OHW (m) Barrier Max Depth (m) Spawning (sq m)

CULVERT DESCRIPTION

Passability (%)

Repair Status

Method

Problem

1.1		
RND		
CST		
0.47		
0.47		
No		
0.32		
0.00		
No		
3.50		
No		

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION

No defined plunge pool.



Mason Conservation District

PI:

239

Fish Use:

No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION 6900 Road Name: Grays Harbor County: 1/4 Section: SE Section: 27

20N Township: 07W Range:

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0423
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Com
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees

47.18707 Latitude: -123.53353 Longitude: WA state plane south (NAD 27, feet) 1,246,202 690,568 North:

Location / Directions:

Water crossing is approximately 1.50 miles northeast of the 6900/Cougar Smith Rd junction.

Site Comments:

Stream goes subsurface approximately 5 meters downstream of culvert, then flows into wetland. OHW = 0.20 meters.

EVALUATION LEVEL COMPLETED

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

SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
\Box	Pink	Resident Trout
$\overline{\Box}$	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
П	Coho	Brown Trout
\equiv	Stoolboad	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.45
01.047 ()	2.20
OHW (m)	2.20
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	0.20
Span/Toe Ratio	2.25

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.33
Apron	No
Fill Depth (m)	0.10
Tidegate	No

Culvert Comments:

Plunge pool excavated. Stream mapped as flowing NW into Singer Creek, but actually flows SE towards unnamed 22.0423 and the West Fork Satsop.



Mason Conservation District

Site ID:

PI:

-123.52902

127S0240

EVALUATION LEVEL COMPLETED Report Logged Field Review

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Fish Use: Barrier:

Yes

Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	6921
County:	Grays Harbor
1/4 Section:	SW
Section:	14
Township:	20N
Range:	07W

POSITIONAL DATA

Location / Directions:

Longitude:

WGS 84, decimal de	egrees
Latitude:	47.21287

WA state plane south (NAD 27, feet)

East: 1,247,684 699,927 North:

Water crossing is approximately 0.60 miles

southwest of the 6921/6900 junction.

Upstream is wetland, not able to find

submerged end of culvert. OHW = 0.75 meters.

SI

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

WATERBODY

Type:

Stream:	unnamed
Tributary To:	Halsey Cr 22.0422
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Site Comments:

OWNER en Diamond Resource Comp Name: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Too Width (m)	0.40

CHANNEL DESCRI	FIION
Toe Width (m)	0.40
Span/Toe Ratio	2.25

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)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

Beaver dam upstream reducing fish passage.



Mason Conservation District

Site ID:

PI:

702,139

127S0241

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

OLIVEIVAL LOGA	TION.
Road Name:	6920
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	20N
Range:	07W

Halsey Cr

MF Satsop 22.0414

22.0422

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.21884

 Longitude:
 -123.53277

WA state plane south (NAD 27, feet)
East: 1,246,837

Location / Directions:

North:

Water crossing is approximately 0.10 miles southeast of the 6920/6970 junction.

Site Comments:

Backwatered wetland area with forested habitat surrounding. OHW > 0.60 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
V	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
	Pink Chum

Coho Brown Trout

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.38
Rise (m)	1.38
Length (m)	9.25
Slope (%)	-0.83
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.23
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:

Wetlands downstream, no plunge pool or toe measurement. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID: 127S0242 Fish Use: No PI: Barrier:

Spawning (sq m)

Rearing (sq m)

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged 6920 WGS 84, decimal degrees Road Name: Grays Harbor 47.20628 **~** Field Review Latitude: County: Threshold Determination -123.53980 NW 1/4 Section: Longitude: **Expanded Threshold Determination** Section: 22 WA state plane south (NAD 27, feet) Downstream Check 20N Township: 1,244,914 07W Physical Survey Range: 697,629 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is located at the junction of the Sockeye Sea Run Cutthroat Tributary To: Halsey Cr 22.0422 6920/6970 lines. Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho Perennial growth present throughout channel. **OWNER** Likely that culvert passes water during fall when Steelhead upper standing pools are full. OHW < 0.60 en Diamond Resource Comp Name: meters. Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 6/28/2004 Length (m) Survey Type: Glore/Blatt Field Crew: Length (m):

CULVERT DESCRIPTION

Barrier

Method Repair Status Problem

Passability (%)

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.34
Rise (m)	0.28
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Lengur (III)	1.75	
OHW (m)	0.70	
Max Depth (m)	0.15	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

Culvert Comments:

Unable to obtain toe, undefined channel downstream of culvert.



Mason Conservation District

Site ID: 1

PI:

127S0243

Fish Use:

No

Barrier:

SITE	DESCRIPT	10 l
------	----------	-------------

GENERAL LOCATION Road Name: 697 SA County: Grays Harbor 1/4 Section: NW Section: 27 Township: 20N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.19450	
Longitude:	-123.54369	
WA state plane south (NAD 27, feet)		
East:	1,243,782	
North:	693,373	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

Water crossing is approximately 2.0 miles north of the 6900/Cougar Smith Rd junction. On spur East off the 6900 line.

Tributary is ephemeral, OHW = 0.45 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 Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION PLUNGE POOL DESCRIPTION

Review Date:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	2.05
OHW (m)	0.65
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

•	4.4
Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0244

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad grade
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	20N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees

47.21960 Latitude: -123.53339 Longitude: WA state plane south (NAD 27, feet) 1,246,693 702,422 North:

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	Halsey Cr
Tributary To:	WF Satsop 22.0364
WRIA:	22.0422
Fish Use:	Yes
FUP Criteria:	Biolgical

Location / Directions:

Site Comments:

OHW > 0.60 meters.

Water crossing is approximately 1.65 miles southwest from Kelly Rd/rail grade junction.

Abundant juveniles observed downstream.

PECIE	3 POTENTIAL	
	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:	6/28/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	OT
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	11.00	
OHW (m)	8.00	
Max Depth (m)	1.70	
CHANNEL DESCRIPTION		

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.91
Rise (m)	0.91
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.50
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Toe Width (m) Span/Toe Ratio

Last section of PCC culvert is laying in plunge pool. Wetlands upstream and downstream. Upstream end is covered by debris from beaver, not allowing fish passage or measurements.



Mason Conservation District

Site ID:

PI:

127S0245

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION		
Road Name:	6900	

 County:
 Grays Harbor

 1/4 Section:
 SE

 Section:
 11

 Township:
 20N

 Range:
 07W

unnamed

MF Satsop 22.0414

22.0000

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.23302

 Longitude:
 -123.51255

 WA state plane south (NAD 27, feet)

East: 1,252,056

North: 707,116

Location / Directions:

Water crossing is approximately 20 meters west of the Kelly Rd/6900 junction.

Site Comments:

OHW = 2.05 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
--	---------------

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIAL

Sockeye

	Sockeye
_	

Pink Chum

_ Ciluin

✓ 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:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	8.75
OHW (m)	5.85
Max Depth (m)	1.25

CHANNEL DESCRIPTION

Toe Width (m)	1.45
Span/Toe Ratio	0.94

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.36
Rise (m)	1.37
Length (m)	23.03
Slope (%)	0.86
Bed Material	No
Outfall Drop (m)	1.50
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Plunge pool is scoured out and flow falls onto concrete blocks. No water is culvert at time of sample.



MF Satsop 22.0414

22.0000

Physical

en Diamond Resource Comp

Private

Mason Conservation District

Site ID:

PI:

127S0246

Fish Use:

No

Barrier:

CIT	re		CC	CR	IDT	101	A
OI I		u	ᆮᇰ	ᅜᅑ	IP I	IUI	N

POSITIONAL DATA GENERAL LOCATION 6800 WGS 84, decimal degrees Road Name: Grays Harbor 47.23384 County: Latitude: -123.51201 NE Longitude: 1/4 Section: Section: 11 WA state plane south (NAD 27, feet) 20N Township: 1,252,202 07W Range: 707,408 North: WATERBODY **Location / Directions:** Stream: unnamed

Water crossing is approximately 10 meters west of the 6800/Kelly Rd junction.

Site Comments:

Stream runs next to roadside in ditch, channel is excavated and dry at time of sample. OHW < 0.60 meters.

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

Tributary To:

FUP Criteria:

WRIA:

Fish Use:

OWNER

Name:

Type:

SUMMARY INFORMATION

Review Date:	6/29/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	6.90	
OHW (m)	3.20	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.23
Rise (m)	1.22
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.20
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Excavated ditch is channel, no toe measurement.



Mason Conservation District

Site ID: **127S0247** Fish Use: PI: Barrier:

SITE DESCRIPTION

GENERAL LOCATION Road Name: 6901 County: Grays Harbor 1/4 Section: SW Section: 11 Township: 20N

07W

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Halsey Cr 22.0422
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Comp
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.23482	
Longitude:	-123.52704	
WA state plane south (NAD 27, feet)		
East:	1,248,483	

707,910

Location / Directions:

North:

Water crossing is approximately 0.50 miles northwest of the 6900/6901 junction.

Site Comments:

Perennial growth throughout channel with no defined stream width measurements available.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

No

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:	6/29/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.15
OHW (m)	1.75
Max Depth (m)	0.42

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.26
WDIC (m)	0.00
Apron	No
Fill Depth (m)	0.50
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0248

Fish Use:

No

Barrier:

SITE	DESCR	IPTION
------	--------------	---------------

POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION Report Logged 6901 WGS 84, decimal degrees Road Name: Grays Harbor 47.23460 Field Review County: Latitude: Threshold Determination -123.52785 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 11 WA state plane south (NAD 27, feet) Downstream Check 20N Township: 1,248,280 07W Physical Survey Range: 707,836 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.55 miles northwest of the 6900/6901 junction. Tributary To: Halsey Cr 22.0422

റ	w	/N	ΙF	R

WRIA:

Fish Use:

FUP Criteria:

Name:	en Diamond Resource Com
Type:	Private

22.0000

Physical

Site Comments:

Perennial growth throughout undefined stream channel. OHW < 0.60 meters.

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:	6/29/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.70	
OHW (m)	1.70	
Max Depth (m)	0.90	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID:

PI:

127S0249

Fish Use:

No

Barrier:

SITE	DESCR	IPTION

GENERAL LOCATION	
Road Name:	6901
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	20N
Range:	07W

POSITIONAL DATA

 WGS 84, decimal degrees

 Latitude:
 47.24163

 Longitude:
 -123.53331

 WA state plane south (NAD 27, feet)

 East:
 1,247,023

 North:
 710,453

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon R 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.75 miles west of the 6900/6901 junction.

8 meter natural point barrier at confluence with

Canyon R. OHW = 0.70 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION PLUNGE POOL DESCRIPTION

Review Date:	6/29/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	2.30
OHW (m)	2.25
Max Depth (m)	0.90

CHANNEL DESCRIPTION

Toe Width (m)	0.35
Span/Toe Ratio	1.74

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.20
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0250

Fish Use:

No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION Road Name: 6901 County: Grays Harbor 1/4 Section: SW Section: 2 Township: 20N Range: 07W

WΔ	TF	R	ลก	D٧	,

Stream:	unnamed
Tributary To:	MF Satsop 22.0414
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Com
Type:	Private

POSITIONAL DATA

WGS 84, decimal of

Latitude:	47.24248	
Longitude:	-123.52489	
WA state plane south (NAD 27, feet)		
East:	1,249,125	
North:	710,682	

Location / Directions:

Water crossing is approximately 0.25 miles west of the 6901/560 junction.

Site Comments:

Primarily ditch delivery with perennial growth throughout downstream channel, which is dry at time of sample. OHW < 0.60 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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/29/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.05
OHW (m)	1.20
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

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



Mason Conservation District

Site ID:	127S0251	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	560	WGS 84, decimal de	egrees		Report Logged
County:	Grays Harbor	Latitude:	47.24179	✓	Field Review
1/4 Section:	SE	Longitude:	-123.51887		Threshold Determination
Section:	2	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	20N	East:	1,250,608		Downstream Check
Range:	07W	North:	710,372		Physical Survey
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 0.45 miles		Sockeye Sea Run Cutthroat
Tributary To:	MF Satsop 22.0414	northwest of the 500	/560 junction.		Pink Resident Trout
WRIA:	22.0000				Chum Dolly/Bull Trout
Fish Use:	No	a a			Chinook Brook Trout
FUP Criteria:	Physical	Site Comments:			
OWNER		Poorly defined chan	nel, OHW < 0.6 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:	6/29/2004	Length (m)		Survey	Туре:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		,	DTION	Rearing	
Method		CHANNEL DESCRI	PHON	Realing	1 (54 111)

CULVERT DESCRIPTION

Repair Status

Problem

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

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0252

Fish Use:

Unk

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	500
County:	Grays Harbor
1/4 Section:	NE
Section:	2
Township:	20N
Range:	07W

Range: WATERBODY

Stream:	unnamed
Tributary To:	Canyon R 22.0377
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Com
Type:	Private

POSITIONAL DATA

WGS	84.	decimal	degree
** 00	υ¬,	accimia	ucgi cc.

Latitude:	47.25735	
Longitude:	-123.51509	
WA state plane south (NAD 27, feet)		
East:	1,251,765	
North:	716,009	

Location / Directions:

Water crossing is approximately 1.40 miles north of the 500/Kelly Rd junction.

Site Comments:

Two small wetland/marsh areas meet at upstream end of culvert. Wetland influence downstream. OHW near 0.6 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

FECILIS FOTENTIAL		
	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:	6/29/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

CHANNEL DESCR	IDTION
Max Depth (m)	0.83
OHW (m)	3.40
Length (m)	3.10

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.3
Shape	RND
Material	CST
Span (m)	0.90
Rise (m)	0.90
Length (m)	19.53
Slope (%)	2.15
Bed Material	No
Outfall Drop (m)	0.47
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

1.3 and 2.3 share common plunge pool. Pipe 1.3 is on left bank. Accurate toe measurement obscured by wetland influence.



Mason Conservation District

Site ID:

PI:

127S0252

Fish Use:

Unk

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.3
Shape	RND
Material	CST
Span (m)	0.77
Rise (m)	0.77
Length (m)	18.85
Slope (%)	2.07
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

1.3 and 2.3 share common plunge pool. Pipe 2.3 is center culvert. Accurate toe measurement obscured by wetland influence.



CULVERT DESCRIPTION

Sequencer:	3.3
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.25
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

Unable to locate upstream end of culvert, level A incomplete. Culvert 3.3 has its own plunge pool and is located 10 meters north of 1.3 and 2.3.



Mason Conservation District

Site ID:

PI:

127S0253

Fish Use:

No

Barrier:

SIT	ΓF	ח	F	SC	RI	PΤ	ΠI	a	٨
J	_	\boldsymbol{L}	_	J	ıvı			u	

GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		COMPLETED
Road Name:	7600	WGS 84, decimal degrees		Report Logged		
County:	Grays Harbor	Latitude:	47.27460	✓	Field Review	
1/4 Section:	SE	Longitude:	-123.57366		Threshold Dete	ermination
Section:	28	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	21N	East:	1,237,476		Downstream C	heck
Range:	07W	North:	722,856		Physical Surve	у
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is approximately 0.25 miles			Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	northwest of the 760			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		Perennial growth thr channel, OHW < 0.6	oughout downstream 6 meters.		Coho Steelhead	Brown Trout
Name:	en Diamond Resource Comp					
Type:	Private					

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/6/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.15		

3.00

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	4.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Angled extension on downstream end.



Mason Conservation District

Site ID:

PI:

127S0254

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	7600	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	28	
Township:	21N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.27569 -123.57469 Longitude: WA state plane south (NAD 27, feet) 1,237,236 723,262 North:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Water crossing is approximately 0.30 miles northwest of the 7600/7600-J junction.

Site	Comments:

PECIES P	OTENTIAL	
Sc	ockeye	Sea Run Cutthroa
Pi	nk	✓ Resident Trout
Ch	num	Dolly/Bull Trout
Cr	ninook	Brook Trout
✓ Co	oho	Brown Trout
☐ St	eelhead	

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/6/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	5.70
OHW (m)	4.05
Max Depth (m)	0.45
CHANNEL DESCRIPTION	

1.15

1.05

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.21
Rise (m)	1.25
Length (m)	20.59
Slope (%)	4.97
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Culvert heavily rusted downstream.



Mason Conservation District

Site ID:

PI:

47.27557

127S0255

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL	LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	28
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decima	al degrees
Latitude:	

Longitude:	-123.57452	
WA state plane south (NAD 27, feet)		
East:	1,237,276	

North: 723,218

EVALUATION LEVEL COMPLETED

Physical Survey

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check

WATERBODY

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

Location / Directions:

Site Comments:OHW = 2.65 meters.

Water crossing is approximately 0.30 miles northwest of the 7600/7600-J junction.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/6/2004	
Field Crew:	Glore/Blatt	
Barrier	Yes	
Passability (%)	33	
Method	LA	
Repair Status	UD	
Problem	outfall drop, slope	

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	2.75
Max Depth (m)	0.10
CHANNEL DESCRIPTION	

2.30

0.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.21
Rise (m)	1.24
Length (m)	19.73
Slope (%)	12.79
Bed Material	No
Outfall Drop (m)	0.55
WDIC (m)	0.13
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Span/Toe Ratio

Culvert Comments:

Toe Width (m)

Grade break in culvert. Outfall is onto bedrock.



Mason Conservation District

Site ID:

PI:

127S0256

Fish Use:

No

Barrier:

SITE	DESCR	IPTION

GENERAL LOCATION		
Road Name:	7600	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	28	
Township:	21N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees Latitude: 47.27975 -123.57370 Longitude: WA state plane south (NAD 27, feet) 1,237,539 724,733 North:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

0.6 meters.

Water crossing is approximately 0.50 miles northwest of the 7600/7660 junction.

Perennial growth throughout channel, OHW <

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 PLUNGE POOL DESCRIPTION

Review Date:	7/6/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Length (m)	3.15	
OHW (m)	1.90	
Max Depth (m)	0.20	

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.36
Rise (m)	0.36
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

-123.57650

127S0257

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

OLIVERAL LOCATION	
Road Name:	7600
County:	Grays Harbor
1/4 Section:	NE
Section:	28
Township:	21N

07W

POSITIONAL DATA

Location / Directions:

Site Comments:

OHW = 3.25 meters.

Longitude:

WGS 84, decimal degrees
Latitude: 47.28282

WA state plane south (NAD 27, feet)

East: 1,236,889

North: 725,880

Water crossing is approximately 0.65 miles

northwest of the 7600/7660 junction.

SPECIES POTENT

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

WATERBODY

Range:

 Stream:
 unnamed

 Tributary To:
 WF Satsop 22.0364

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

OWNER

Name: an Diamond Resource Comp Type: Private

LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	7/6/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	5.05
OHW (m)	3.95
Max Depth (m)	1.10

CHANNEL DESCRIPTION

Toe Width (m)	1.80		
Span/Toe Ratio	0.67		

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.22
Length (m)	20.34
Slope (%)	1.44
Bed Material	No
Outfall Drop (m)	0.45
WDIC (m)	0.06
Apron	No
Fill Depth (m)	4.00
Tidegate	No



Mason Conservation District

Site ID:

PI:

127S0258

Fish Use:

No

Barrier:

SI	ΓF	DF	SC	RII	PTI	O	٨

POSITIONAL DATA EVALUATION LEVEL COMPLETED GENERAL LOCATION Report Logged 7600 WGS 84, decimal degrees Road Name: Grays Harbor 47.28295 Field Review County: Latitude: Threshold Determination -123.57622 NE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 28 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,236,959 07W Physical Survey Range: 725,923 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is approximately 0.70 miles Tributary To: WF Satsop 22.0364

OWNER

WRIA:

Fish Use:

FUP Criteria:

Name:	en Diamond Resource Com
Type:	Private

22.0000

Physical

northwest of the 7600/7660 junction.

Site Comments:

OHW = 0.55 meters.

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/6/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.35		
Span/Toe Ratio	1.74		

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)	0.28
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert is beveled downstream.



Mason Conservation District

Site ID:

PI:

127S0259

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION			
Road Name:	7600		
_			

Grays Harbor County: 1/4 Section: NW Section: 21 21N Township: 07W

POSITIONAL DATA

WGS 84, decimal degrees

47.29435 Latitude: -123.58151 Longitude: WA state plane south (NAD 27, feet)

1,235,811 730,130

Report Logged

EVALUATION LEVEL COMPLETED

Field Review Threshold Determination **Expanded Threshold Determination**

Downstream Check Physical Survey

WATERBODY

Range:

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

Location / Directions:

North:

Water crossing is approximately 0.10 miles north of the 7600/7670 junction.

SPECIES POTENTIAL

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

Chinook Coho

BLOOK	I rout
Brown	Trout

OWNER

en Diamond Resource Comp Name: Private Type:

Site Comments:

OHW = 1.8 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	7/6/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.85
OHW (m)	1.30
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	1.25		
Span/Toe Ratio	0.74		

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	17.46
Slope (%)	8.26
Bed Material	No
Outfall Drop (m)	2.95
WDIC (m)	0.03
Apron	No
Fill Depth (m)	4.50
Tidegate	No



Mason Conservation District

Site ID:	127S0260	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COM	PLETED
Road Name:	FS 2371	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.36364	✓	Field Review	
1/4 Section:	SE	Longitude:	-123.57253		Threshold Determin	ation
Section:	27	WA state plane sout	h (NAD 27, feet)		Expanded Threshol	d Determination
Township:	22N	East:	1,239,020		Downstream Check	
Range:	07W	North:	755,299		Physical Survey	
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.80 miles	□ □	Sockeye	Sea Run Cutthroat
Tributary To:	WF Satsop 22.0364	southeast of the 237	1/2300 junction.		Pink	Resident Trout
WRIA:	22.0000				Chum	Dolly/Bull Trout
Fish Use:	No	Cita Camananta			Chinook	Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho	Brown Trout
OWNER		Gradient barrier.			Steelhead	Blown Hout
Name:	US Forest Service					
Type:	Federal					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN	1
Review Date:	8/16/2004	Length (m)		Survey	Type:	
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRI	PTION	 Rearing		
Method			1 11014		, (~4 .11/	
Danair Ctatus		Toe Width (m)				

CULVERT DESCRIPTION

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	1.05
Rise (m)	1.07
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Channel dry directly 2.5 meters upstream with water percolating into substrate. Gradient barrier upstream of culvert.



Mason Conservation District

Site ID: 127S0261 Fish Use: No PI: Barrier:

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	FS 2371	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.35603	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.58622		Threshold Determination	
Section:	33	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination	
Township:	22N	East:	1,235,521		Downstream Check	
Range:	07W	North:	752,657		Physical Survey	
WATERBODY		Location / Direction	s:	SDECI	ES POTENTIAL	
Stream:	unnamed	Water crossing is approximately 2.25 miles southeast of the FS 2300/2371 junction.		3FECIE	Sockeye Sea Run Cutthroat	
Tributary To:	WF Satsop 22.0364				· <u>=</u>	
WRIA:	22.0000					
Fish Use:	No				Chum Dolly/Bull Trout	
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OHW = 0.45 meters.			Coho Brown Trout Steelhead			
Name:	US Forest Service					
Type:	Federal					

SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION	POTENTIAL HABITAT GAIN	POTENTIAL HABITAT GAIN	
Review Date:	8/16/2004	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			3(1)		
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

1.1
RND
CST
0.46
0.46
No
0.00
No
0.50
No



Mason Conservation District

Site ID:

PI:

127S0262

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

		NOITA

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

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.04553	
Longitude:	-123.53215	
WA state plane south (NAD 27, feet)		
East: 1,244,563		
North:	638.969	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	WF Satsop 22.0414
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

OHW = 0.8 meters.

Water crossing is approximately 0.35 miles north of W Satsop Rd/Middle Satsop Rd junction, beneath private access road 20 meters east.

County owned culvert 15 meters upstream.

SPECIES POTENTIAL

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

OWNER

Name:	loyd Foss and Elizabeth Per
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/26/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	0.70	
OHW (m)	0.30	
Max Depth (m)	0.11	
CHANNEL DESCRIPTION		
Too Width (m)	0.45	
Toe Width (m)	0.43	

0.84

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.38
Rise (m)	0.38
Length (m)	6.11
Slope (%)	6.64
Bed Material	No
Outfall Drop (m)	0.30
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

127S0263 20.16

Fish Use:

Yes

PI:

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	Abandoned Ro

Grays Harbor County: 1/4 Section: NE Section: 10 18N Township: 07W

POSITIONAL DATA

WGS 84, decimal degrees

47.06420 Latitude: -123.54104 Longitude: WA state plane south (NAD 27, feet)

1,242,611 645,858 North:

EVALUATION LEVEL COMPLETED

Report Logged Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check Physical Survey

WATERBODY

Range:

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

Location / Directions:

Site Comments:

OHW = 2.3 meters.

Culvert is approximately 240 meters upstream of site 127S0051, on abandoned road grade.

SPECIES POTENTIAL

	Sockeye
	Pink
V	Chum

Resident Trout Dolly/Bull Trout

Brook Trout Brown Trout

✓ Sea Run Cutthroat

Chinook Coho

Steelhead

OWNER

Weyerhaeuser Company Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/22/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	5.10
OHW (m)	2.60
Max Depth (m)	1.10

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	0.38

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.61
0.61
6.35
1.00
No
0.43
0.07
No
0.50
No



Mason Conservation District

Site ID:

PI:

47.06763

-123.53777

127S0264

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check Physical Survey

Expanded Threshold Determination

Field Review

Fish Use: Barrier:

Yes Yes

13.69

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Abandoned Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	10
Township:	18N
Range:	07W

POSITIONAL DATA

Longitude:

WGS 84, decimal de	grees
Latitude:	

Location / Directions:

Site Comments: OHW = 1.1 meters.

WA state plane south (NAD 27, feet)

Wit diato plane double (14/18 21, 1001)	
East:	1,243,473
North:	647,078

Culvert is approximately 880 meters upstream

of site 127S0051, on abandoned road grade.

SI

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

WATERBODY

unnamed
WF Satsop 22.0364
22.0000
Yes
Mapped

OWNER

Name:	Weyerhaeuser Company
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	9/21/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.35	
OHW (m)	3.70	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

Toe Width (m)	1.06
Span/Toe Ratio	1.39

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.76
0.77
6.59
1.87
No
0.95
0.08
No
0.50
No



WRIA 22 Fish Passage Inventory Site ID: 127S0265 Fish Use: No PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged 7600 WGS 84, decimal degrees Road Name: Grays Harbor 47.24196 **~** Field Review Latitude: County: -123.51874 Threshold Determination SE Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 17 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,250,643 07W Physical Survey Range: 710,432 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 1.30 miles Sockeye Sea Run Cutthroat Tributary To: Devils Club Cr 22.0400 southeast of the 7600/600 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 Slash pile at downstream end of pipe. OHW < OWNER 0.6 meters. Steelhead en Diamond Resource Comp Name: Private Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 11/3/2004 Length (m) 0.90 Survey Type: Glore/Blatt Field Crew: 0.60 Length (m): OHW (m) Barrier 0.17 Max Depth (m) Spawning (sq m) Passability (%) CHANNEL DESCRIPTION Rearing (sq m) Method Toe Width (m) Repair Status Span/Toe Ratio Problem **CULVERT DESCRIPTION** 1.1 **Culvert Comments:** Sequencer: RND Shape PVC Material 0.45 Span (m) 0.45 Rise (m) Length (m)

Slope (%) Bed Material

WDIC (m)

Fill Depth (m)

Apron

Tidegate

Outfall Drop (m)

No

0.32

0.01 No

1.50

No

Mason Conservation District

Site ID:

PI:

127S0266

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		
Road Name:	590	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	10	
Township:	20N	

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

Site Comments: OHW = 2.15 meters.

Latitude:	47.23518	
Longitude:	-123.54444	
WA state plane south (NAD 27, feet)		
East:	1,244,168	
North:	708,208	

Water crossing is approximately 0.20 miles west of the 590/560 junction.

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

WATERBODY

Range:

Stream:	Replinger Cr
Tributary To:	Canyon R 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Com
Type:	Private

07W

LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	10/12/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.25	
OHW (m)	2.05	
Max Depth (m)	0.45	

CHANNEL DESCRIPTION

Toe Width (m)	2.05
Span/Toe Ratio	0.45

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	11.94
Slope (%)	1.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.27
Apron	No
Fill Depth (m)	0.75
Tidegate	No



Mason Conservation District

Site ID: 127S0267

PI:

Fish Use: No

Barrier:

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL C	
Road Name:	6900	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.17510	✓	Field Review
1/4 Section:	SW	Longitude:	-123.54991		Threshold Deter
Section:	34	WA state plane south (NAD 27, feet)			Expanded Thres
Township:	20N	East:	1,241,964		Downstream Ch
Range:	07W	North:	686,363		Physical Survey
WATERBODY		Location / Direction	ons:	SPECIE	S POTENTIAL
Stream:	unnamed	Water crossing is approximately 65 meters			Sockeye
Tributary To:	Singer Cr 22.0375	north of the 6900/Cougar Smith Rd junction.			Dink

FUP Criteria:			
OWNED			

Fish Use:

WRIA:

Name:	en Diamond Resource Com
Type:	Private

22.0000

Physical

Site Comments:

Poorly defined channel, OHW < 0.6 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

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:	10/20/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.40
OHW (m)	1.90
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.61
0.61
No
0.30
0.06
No
0.75
No



Mason Conservation District

Site ID:

PI:

127S0268

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	660
County:	Grays Harbor
1/4 Section:	SE
04!	15

 Section:
 15

 Township:
 21N

 Range:
 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Little R 22.0398

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.30683

 Longitude:
 -123.54922

 WA state plane south (NAD 27, feet)

 East:
 1,243,992

734,367

Location / Directions:

North:

Water crossing is approximately 0.70 miles south of 660/600 junction.

Site Comments:

OHW = 1.05 meters.

EVALUATION LEVEL COMPLETED

Report L	ogged
Report L	ogged

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Sockeye	
Dial.	

Pink
Chum

Chinook

✓ Coho

Steelhead

Sea Run Cutthroa	t
------------------	---

Resident Trout

Dolly/Bull Trout

Brook Trout

Brook I rout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.90
Span/Toe Ratio	1.22

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	12.44
Slope (%)	6.73
Bed Material	No
Outfall Drop (m)	1.80
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

No plunge pool as water flows out through road fill instead of culvert. Pipe 1.2 is on left bank.



Mason Conservation District

Site ID:

127S0268

Fish Use:

Yes Yes

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.63
Length (m)	14.84
Slope (%)	4.60
Bed Material	No
Outfall Drop (m)	2.25
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Pipe 2.2 is on right bank.



Mason Conservation District

Site ID:

PI:

127S0269

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL I	OCATION
------------------	---------

Road Name:	660
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30645	
Longitude:	-123.55207	
WA state plane south (NAD 27, feet)		
East:	1,243,281	
NI - mtl	734 257	

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

0.95 meters.

Water crossing is approximately 0.85 miles south of 660/600 junction.

Abundant LWD in and around channel. OHW =

S

PECIE	S 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:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	0.95	
OHW (m)	0.80	
OHW (III)	0.00	
Max Depth (m)	0.35	
CHANNEL DESCRIPTION		
Toe Width (m)	0.70	

0.74

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1	
RND	
CST	
0.37	
0.37	
15.29	
8.00	
No	
1.10	
0.05	
No	
2.00	
No	

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0270

Fish Use:

Yes

Barrier:

Yes

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	660
County:	Grays Harbor
1/4 Section:	SE
Section:	15
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.27921	
Longitude:	-123.55736	
WA state plane south (NAD 27, feet)		
East:	1,241,585	
North:	724,378	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Little R 22.0398
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments: OHW = 1.65 meters.

Water crossing is approximately 3.30 miles south of the 660/600 junction.

SPECIES POTENTI	AL
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:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	2.10	
OHW (m)	0.75	
Max Depth (m)	0.60	
CHANNEL DESCRIPTION		

1.65

0.75

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.23
Rise (m)	1.27
Length (m)	11.49
Slope (%)	7.50
Bed Material	No
Outfall Drop (m)	0.63
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0271

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

7600 Road Name: Grays Harbor County: 1/4 Section: SE Section: 17 21N Township: 07W

unnamed

Devil's Club Cr 22.0400

22.0000

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal degrees

47.30463 Latitude: -123.59009 Longitude:

WA state plane south (NAD 27, feet) 1,233,830 733,960 North:

Location / Directions:

Water crossing is approximately 1.70 miles southeast of the 7600/600 junction, at end of maintained road.

Site Comments:

OHW < 0.6 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
V	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout

$\overline{}$		
	Chum	Dolly/Bull Trout
	Object	Drook Trout

Chinook Brook Trout Brown Trout Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.20
Span/Toe Ratio	3.00

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.61
0.61
No
0.18
0.03
No
2.00
No

Culvert Comments:

Riffles at downstream end, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0272

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30455
Longitude:	-123.59129
WA state plane south (NAD 27, feet)	
Coot.	1 222 521

733,942

EVALUATION LEVEL COMPLETED

Ш	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Devil's Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:OHW = 0.65 meters.

North:

Water crossing is approximately 1.65 miles southeast of the 7600/600 junction.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Comp
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	0.75	
OHW (m)	0.95	
Max Depth (m)	0.25	
CHANNEL DESCRIPTION		

0.60

1.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.93
Rise (m)	0.93
Length (m)	11.92
Slope (%)	12.40
Bed Material	No
Outfall Drop (m)	0.19
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0273

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION GENERAL LOCATION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17

21N

07W

WATERBODY

Township:

Range:

Stream:	unnamed
Tributary To:	Devil's Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	en Diamond Resource Comp
Type:	Private

POSITIONAL DATA

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

Latitude:	47.30523	
Longitude:	-123.59263	
WA state plane south (NAD 27, feet)		
East:	1,233,207	
North:	734,204	

Location / Directions:

Water crossing is approximately 1.55 miles southeast of the 7600/600 junction.

Site Comments:

LWD and debris pile at downstream end of culvert. OHW = 0.65 meters.

EVALUATION LEVEL COMPLETED

	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
~	Coho	Brown Trout
	Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.20	
OHW (m)	1.40	
Max Depth (m)	0.25	

CHANNEL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	1.18

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.77
Rise (m)	0.77
Length (m)	19.14
Slope (%)	6.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0274

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENER	RAL L	OCA	ION

Road Name:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30599	
Longitude:	-123.59584	
WA state plane south (NAD 27, feet)		
East:	1,232,424	

734,512

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Devil's Club Cr 22.0400
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

North:

Water crossing is approximately 1.40 miles southeast of the 7600/600 junction.

Culvert recently replaced. OHW = 1.4 meters.

SPECIES POTENTIAL

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

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.25
• ,	
OHW (m)	1.20
Max Depth (m)	0.25
CHANNEL DESCRIPTION	
Toe Width (m)	1.10
TOE WIGHT (III)	1.10

1.13

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.24
Rise (m)	1.24
Length (m)	14.85
Slope (%)	5.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.11
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Culvert will likely accumulate streambed over time, in which case it would become passable.



Mason Conservation District

Site ID:

PI:

47.30663

-123.59652

127S0275

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:	7600
County:	Grays Harbor
1/4 Section:	SE
Section:	17
Township:	21N

07W

POSITIONAL DATA

WGS 84, decimal degrees Latitude:

Location / Directions:

Site Comments:

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

1,232,263 734,752 North:

Water crossing is approximately 1.35 miles southeast of the 7600/600 junction.

Recently replaced culvert. OHW = 0.8 meters.

SP

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

WATERBODY

Range:

Stream: unnamed Tributary To: Devil's Club Cr 22.0400 WRIA: 22.0000 Fish Use: Yes FUP Criteria: Physical

OWNER

en Diamond Resource Comp Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	11/3/2004
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.25
OHW (m)	3.15
Max Depth (m)	0.42

CHANNEL DESCRIPTION

Toe Width (m)	0.55
Span/Toe Ratio	2.25

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

1.1
RND
CST
1.24
1.24
14.90
5.20
No
0.00
0.34
No
2.50
No

Culvert Comments:

Culvert will likely accumulate streambed material overtime, in which case it would become passable.



Mason Conservation District

Site ID:

PI:

127S0276

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:	1
Township:	17N
Range:	08W

POSITIONAL DATA

Location / Directions:

Site Comments:

WGS 84, decimal degrees		
Latitude:	46.98082	
Longitude:	-123.61357	

WA state plane south (NAD 27, feet)

1,223,349 616,179 North:

Water crossing is approximately 0.10 miles north of the end of pavement on 10th Street.

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
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Schoch, Daniel W.; Willis, P
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.75
OHW (m)	5.15
Max Depth (m)	0.20
CHANNEL DESCRIPTION	

Toe Width (m)	1.05
Span/Toe Ratio	2.38

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

_	
Sequencer:	1.2
Shape	SQSH
Material	CST
Span (m)	1.25
Rise (m)	0.89
Length (m)	18.20
Slope (%)	0.55
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.03
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Culvert 1.2 is on right bank.



Mason Conservation District

Site ID:

127S0276

Fish Use:

Yes

PI: Barrier: No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	SQSH
Material	CST
Span (m)	1.25
Rise (m)	0.90
Length (m)	17.99
Slope (%)	0.31
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Culvert 2.2 is on left bank.



Mason Conservation District

Site ID:

PI:

127S0277

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION McBryde Ave Road Name: Grays Harbor County: SE 1/4 Section: Section: 6 17N Township: 07W Range:

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.98793	
Longitude:	-123.60015	
WA state plane south (NAD 27, feet)		
East:	1,226,798	
North:	618,636	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chehalis R 22.0190
WRIA:	22.0345
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

Water crossing is approximately 1.0 miles northeast of 1st St/McBride Ave junction.

	Sockey	/6
--	--------	----

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

OWNER

Name:	Montesano
Туре:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.86	
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	PCC
Span (m)	0.54
Rise (m)	0.54
Length (m)	20.03
Slope (%)	5.37
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Plastic overflow pipe on left bank. Riffle and riprap at downstream end of culvert.



Mason Conservation District

Site ID:

PI:

127S0278

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION Kamilche East Road Name: Grays Harbor County: 1/4 Section: NE Section: 6 17N Township: 07W

unnamed

Chehalis R 22.0190

22.0345

Mapped

POSITIONAL DATA

WGS 84, decimal degrees

46.98533 Latitude: -123.59551 Longitude: WA state plane south (NAD 27, feet)

1,227,917 617,642 North:

Location / Directions:

Water crossing is approximately 0.10 miles east of Church St/Kamilche Ave junction.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
V	Field Review

Threshold Determination

Expanded Threshold Determination Downstream Check

Physical Survey

ECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout

Range:

Stream:

WRIA:

Fish Use:

OWNER

FUP Criteria:

WATERBODY

Tributary To:

Montesano Name: City Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION

Toe Width (m)	2.73
Span/Toe Ratio	0.23

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.64
Rise (m)	0.64
Length (m)	23.24
Slope (%)	21.05
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:

Culvert substantially filled with rip rap at downstream end. Steel debris gate on upstream end. Additional culvert downstream.



Mason Conservation District

Site ID:

PI:

127S0279

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Kamilche Ave. County: Grays Harbor 1/4 Section: SE Section: 6

Township: 17N
Range: 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Chehalis R 22.0190

 WRIA:
 22.0345

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

OWNER

Name:	Montesano
Type:	City

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.98541

 Longitude:
 -123.59680

 WA state plane south (NAD 27, feet)

East: 1,227,597

North: 617,686

Location / Directions:

Water crossing is approximately 100 meters east of Church St/Kamilche Ave intersection.

Site Comments:

Unable to complete Level A survey. Rip rap on banks of stream on downstream end.

EVALUATION LEVEL COMPLETED

Report Logged	
---------------	--

Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Sockeye	
Diele	

Chum

Chinook

✓ Coho

Steelhead

/	Sea	Run	Cutthroat

Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

___ BIOW

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
May Donth (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	2.73
Span/Toe Ratio	0.28

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.76
0.45
No
0.00
0.15
No
5.00
No

Culvert Comments:

Downstream end flows directly onto rip rap. Upstream end of culvert RND PCC. Unable to obtain accurate slope/ length of culvert due to 45 degree horizontal change within pipe. Level A not applicable..



Mason Conservation District

Site ID:

PI:

127S0280

Fish Use:

No

Barrier:

CIT	re		CC	CR	IDT	101	A
OI I		u	ᆮᇰ	ᅜᅑ	IP I	IUI	N

GENERAL LOCATION		
Road Name:	E McBryde Ave	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	5	
Township:	17N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude: 46.98803		
Longitude:	-123.59410	
WA state plane south (NAD 27, feet)		
East: 1,228,307		
North:	618,614	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0345
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

OHW < 0.60 meters.

Water crossing is approximately 100 meters east of Chehalis St/McBryde Ave intersection.

Stream runs through housing development.

SPECIES POTENTIAL

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

OWNER

Name:	Montesano
Гуре:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

4/19/2004
Haque/Lutz/Schuetzler

PLUNGE POOL DESCRIPTION

Length (m)	1.89	
OHW (m)	1.61	
J,		
Max Depth (m)	0.19	
CHANNEL DESCRIPTION		
OHAMMEE BEGON	11011	
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)	0.48
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.07
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0281

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	E McBryde Ave
County:	Grays Harbor
1/4 Section:	NW
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
46.98807		
-123.59282		
WA state plane south (NAD 27, feet)		
1,228,627		
618,615		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0345
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 75 meters east of McBryde Ave/Devara Ln junction.

Site Comments:

SPECIES POTENTIAL

PECIE	3 FUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004		
Field Crew:	Haque/Lutz/Schuetzler		
Barrier	Yes		
Passability (%)	33		
Method	LA		
Repair Status	UD		
Problem	slope		

PLUNGE POOL DESCRIPTION

Length (m)	9.15	
OHW (m)	1.65	
Max Depth (m)	0.80	
CHANNEL DESCRIPTION		
Toe Width (m)	1.70	

0.54

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.91
0.91
12.31
1.92
No
0.24
0.06
No
1.00
No

Culvert Comments:

Span/Toe Ratio

Downstream end of stream channelized by concrete bank.



Mason Conservation District

Site ID: 127S0282 Fish Use: No PI: Barrier:

SITE DESCRI	PTION					
GENERAL LOCATION POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED			
Road Name:	Private Dr	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	46.99132	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.59077		Threshold Determination	
Section:	5	WA state plane sou	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	17N	East:	1,229,185		Downstream Check	
Range:	07W	North:	619,780		Physical Survey	
WATERBODY		Location / Directio	ns:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is located beneath private drive for residence @ 933 Stephenson Dr			Sockeye Sea Run Cutthroat	
Tributary To:	unnamed 22.0345				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 = 0.46 meters.			Steelhead	
Name:	Ed Zillyett					
Type:	Private					
LEVEL A ANALYSIS						
SUMMARY INFO	SUMMARY INFORMATION PLUNGE POOL DESCRIPTION		SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	4/19/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz/Schuetzler	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnii	ng (sq m)	
Passability (%)		CHANNEL DESCR	IPTION	Rearing	(sa m)	
Method					7 (-7)	
Repair Status		Toe Width (m)				

CULVERT DESCRIPTION

Problem

Sequencer:	1.1		
Shape	RND		
Material	CST		
Span (m)	0.82		
Rise (m)	0.75		
Length (m)			
Slope (%)			
Bed Material			
Outfall Drop (m)	0.00		
WDIC (m)	0.00		
Apron	No		
Fill Depth (m)	5.00		
Tidegate	No		

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID: 127S0283

PI:

Fish Use:

No

Barrier:

SITE	DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged WGS 84, decimal degrees Road Name: Stephenson Dr Grays Harbor 46.98812 Field Review County: Latitude: Threshold Determination -123.59176 NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 5 WA state plane south (NAD 27, feet) Downstream Check 17N Township: 1,228,892 07W Physical Survey Range: 618,624 North: WATERBODY **Location / Directions:** SPECIES POTENTIAL Stream: unnamed Water crossing is located at Stephenson Sockeye Sea Run Cutthroat Tributary To: unnamed 22.0345 Drive/McBryde Ave 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 = 0.30 meters. OWNER Steelhead Montesano Name: City Type: **LEVEL A ANALYSIS SUMMARY INFORMATION POTENTIAL HABITAT GAIN**

CULVERT DESCRIPTION

Review Date:

Field Crew:

Barrier Passability (%)

Method Repair Status Problem

OCEVERY DECORM HOR			
Sequencer:	1.1		
Shape	RND		
Material	CST		
Span (m)	0.84		
Rise (m)	0.88		
Length (m)			
Slope (%)			
Bed Material	Yes		
Outfall Drop (m)	0.00		
WDIC (m)	0.24		
Apron	No		
Fill Depth (m)	0.20		
Tidegate	No		

4/19/2004 Haque/Lutz/Schuetzler

PLUNGE POOL DESCRIPTION

Length (m)	1.10
OHW (m)	1.08
Max Depth (m)	0.24

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

Culvert Comments:

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



Mason Conservation District

Site ID:

127S0284

Fish Use:

Unk

PI: Barrier: Unk

SITE	DESCRIP'	TION
	DEGUINII	11011

GENERAL LOCATION

Blakeley St Road Name: Grays Harbor County:

NW1/4 Section: Section: 5 17N Township: 07W Range:

POSITIONAL DATA

WGS 84, decimal degrees

46.98827 Latitude: -123.59013 Longitude: WA state plane south (NAD 27, feet) 1,229,301

618,661

EVALUATION LEVEL COMPLETED

\square	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream: unnamed Tributary To: unnamed 22.0345 WRIA: 22.0000 Fish Use: Unk FUP Criteria: Physical

Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.10 miles north of McBryde Ave/Blakely St junction.

OHW unobtainable due to backwater and

PECIES POTENTIA	NL .
Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
✓ Coho	Brown Trout
Ctoolhood	

OWNER

Montesano Name: City Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

excavated channel downstream.

Length (m)	
OHW (m)	
Max Depth (m)	
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	PCC
Span (m)	0.58
Rise (m)	0.58
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Unable to obtain upstream measurements due to private property boundary.



Mason Conservation District

Site ID: 127S0285		Fish Use:	No
PI:		Barrier:	

SITE DESCR	IPTION						
GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED		
Road Name:	Private Dr	WGS 84, decimal deg	grees	Report Logged			
County:	Grays Harbor	Latitude:	46.98946	✓	Field Review		
1/4 Section:	NW	Longitude:	-123.59059		Threshold Determination		
Section:	5	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination		
Township:	17N	East:	1,229,204		Downstream Check		
Range:	07W	North:	619,101		Physical Survey		
WATERBODY		Location / Directions	s:	SDECIE	ES POTENTIAL		
Stream:	unnamed	Water crossing is loca	ated beneath private drive	3FEGIL	Sockeye Sea Run Cutthroat		
Tributary To:	unnamed 22.0345	for residence @ 819 l			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 = 0.16 meters.			Steelhead		
Name:	Burnham, Ellis P.						
Type:	Private						
LEVEL A AN	ALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN			
Review Date:	4/19/2004	Length (m)		Survey	Туре:		
Field Crew:	Haque/Lutz/Schuetzler	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawnii	ng (sq m)		
Passability (%)		CHANNEL DESCRIP	TION	Rearing			
Method		-	TION .	rtouring	7 (~4)		
Repair Status		Toe Width (m)					
Problem		Span/Toe Ratio					

CULVERT DESCRIPTION

1.1
RND
CAL
0.49
0.49
No
0.00
0.02
No
0.50
No

Culvert Comments:

Additional culvert upstream and downstream of main culvert. Riffle at downstream end of culvert.



Mason Conservation District

Site ID: 12

PI:

127S0286

Fish Use:

No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	Private Dr	WGS 84, decimal	degrees		Report Logged	
County:	Grays Harbor	Latitude:	46.98885	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.59015		Threshold Determination	
Section:	5	WA state plane so	uth (NAD 27, feet)		Expanded Threshold Determination	
Township:	17N	East:	1,229,305		Downstream Check	
Range:	07W	North:	618,872		Physical Survey	
WATERBODY		Location / Direction	ons:	SPECIES POTENTIAL		
Stream:	unnamed	Water crossing is I	ocated beneath private drive		Sockeye Sea Run Cutthroa	
Tributary To:	unnamed 22.0345	for residence @ 91			Pink Resident Trout	
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OWNER		OHW = 0.49 mete	rs.		Coho Brown Trout Steelhead	
Name:	Woodcock, Robert R.					
Type:	Private					

LEVEL A ANALYSIS

SUMMARY INFORMATION

SUMMARY INFO	PLUNGE POOL DE	
Review Date:	4/19/2004	Length (m)
Field Crew:	Haque/Lutz/Schuetzler	OHW (m)
Barrier		Max Depth (m)
Passability (%)		CHANNEL DESCR
Method		OTANNEL DECON
Repair Status		Toe Width (m)
Problem		Span/Toe Ratio

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

CST sleeve at downstream end.



Mason Conservation District

Site ID:

PI:

127S0287

Fish Use:

Unk

Barrier: Unk

SITE	DESC	RIP	TION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION Medcalf St Road Name: Grays Harbor County: 1/4 Section: NW Section: 5 17N Township: 07W Range:

unnamed

unnamed 22.0345

22.0000

Unk

Physical

Montesano City

POSITIONAL DATA

WGS 84, decimal degrees

46.98859 Latitude: -123.58583 Longitude:

WA state plane south (NAD 27, feet) 1,230,377 618,736 North:

Location / Directions:

Water crossing is approximately 50 meters north of McBryde Ave/Medcalf St junction.

Site Comments:

OHW unobtainable due undefined channel.

EVALUATION LEVEL COMPLETE	D
---------------------------	---

L	Report Logged

Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check Physical Survey

SPECIES POTENTIAL

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

Chinook

Brook Trout Brown Trout Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.77
Rise (m)	0.84
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.32
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Sediment trap at upstream end of culvert. Wetland vegetation upstream.



Mason Conservation District

Site ID:

127S0288

Fish Use: Barrier: Unk Unk

PI:

SITE DESCRIPTION GENERAL LOCATION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	5
Township:	17N
Range:	07W

unnamed

unnamed 22.0345

22.0000

Unk

Physical

Simmelink, Russel

Private

POSITIONAL DATA

WGS 84, decimal degrees
Latitude:

 Latitude:
 46.98843

 Longitude:
 -123.58757

 WA state plane south (NAD 27, feet)

East: 1,229,942

North: 618,697

Location / Directions:

Water crossing is located beneath private drive for residence @ 110 E McBryde Ave.

Site Comments:

EVALUATION LEVEL COMPLETED

Report Logged
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
V	Coho	Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

Steelhead

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.46
Rise (m)	
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.50
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Unable to obtain rise due to stream material.



Mason Conservation District

Site ID:

127S0289

Fish Use:

Unk

PI: Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.98835	
Longitude:	-123.58808	
WA state plane south (NAD 27, feet)		
East:	1,229,813	
North:	618,672	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0345
WRIA:	22.0000
Fish Use:	Unk
FUP Criteria:	Physical

Location / Directions:

Water crossing is located beneath private drive for residence @ 1104 E McBryde Ave.

SPECIES POTENTIAL

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

OWNER

Name:	The Badgleys
Гуре:	Private

Site Comments: Canalized stream

Canalized stream runs through private property. Toe width and OHW affected by stream canalization.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	ОТ
Repair Status	
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

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.24
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0290

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	E Simpson
County:	Grays Harbor
	CW

1/4 Section: SW 5 Section: 17N Township: 07W

WATERBODY

Range:

Stream: unnamed Tributary To: unnamed 22.0345 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

OWNER

Montesano Name: City Type:

POSITIONAL DATA

WGS 84, decimal degrees

46.98640 Latitude: -123.59513 Longitude: WA state plane south (NAD 27, feet)

1,228,028 618,028 North:

Location / Directions:

Water crossing is approximately 0.10 miles east of Church St/Simpson Ave intersection.

Site Comments:

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

	Sockeye
\neg	D: 1

Pink Chum

Chinook

Coho

Steelhead

7	Sea	Run	Cutthroat
,	Ou	···	Outtinout

✓ Resident Trout

Dolly/Bull Trout **Brook Trout**

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.08
OHW (m)	3.15
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	1.40
Span/Toe Ratio	0.43

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.60
0.60
16.53
5.73
No
0.14
0.12
No
5.00
No

Culvert Comments:

Upstream end of culvert broken and culvert segments are separated throughout. downsteram end of culvert CST sleeve.



Mason Conservation District

Site ID:

PI:

127S0291

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION Road Name: Academy St County: Grays Harbor 1/4 Section: SW Section: 5 Township: 17N Range: 07W

unnamed

unnamed 22.0345

22.0000

Yes

Mapped

Montesano

City

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.98349

 Longitude:
 -123.59368

 WA state plane south (NAD 27, feet)

East: 1,228,347
North: 616,954

Location / Directions:

Water crossing is approximately 75 meters north of Spruce St/Academy St junction.

Site Comments:

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

Dolly/Bull Trout
Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	11.91
OHW (m)	6.04
Max Depth (m)	1.10

CHANNEL DESCRIPTION

Toe Width (m)	1.59
Span/Toe Ratio	0.60

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.95
0.95
58.47
1.12
No
0.00
0.70
No
5.00
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0292

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION GENERAL LOCATION

Road Name: Academy St County: Grays Harbor 1/4 Section: SW Section: 5

Section: 5 Township: 17N Range: 07W

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0345
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Montesano
Туре:	City

POSITIONAL DATA

WGS 84,	decimal	degree
WGS 84,	decimal	degre

Latitude:	46.98355
Longitude:	-123.59437
WA state plane sout	h (NAD 27, feet)
East:	1,228,176
North:	616,982

Location / Directions:

Water crossing is approximately 75 meters northwest of Spruce St/Academy St intersection.

Site Comments:

OHW = 1.40 meters.

EVALUATION LEVEL COMPLETED

	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
✓ Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.80
Span/Toe Ratio	0.82

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.66
Rise (m)	0.66
Length (m)	16.26
Slope (%)	4.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.36
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No plunge pool, site is backwatered by DS culvert.



Mason Conservation District

Site ID:

PI:

127S0293

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Academy St
County:	Grays Harbor
1/4 Section:	SW
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.98359
Longitude:	-123.59421
WA state plane south (NAD 27, feet)	
East:	1,228,216
North:	616,996

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0345
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:OHW = 1.40 meters.

Water crossing is approximately 75 meters northwest of Spruce St/Academy St intersection.

SPECIES POTENTIAL

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

OWNER

Name:	Montesano
Туре:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.80	
Span/Toe Ratio	1.16	

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

1.1
RND
PCC
0.93
0.93
18.88
3.90
No
0.00
0.34
No
0.50
No

Culvert Comments:

No plunge pool, riffle at downstream end. Upstream end of culvert has concrete wall reinforcing bank.



Mason Conservation District

Site ID:

PI:

127S0294

Fish Use:

Yes

Barrier: Unk

SITE	DESCR	IPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION Road Name: Academy Dr County: Grays Harbor 1/4 Section: SW Section: 5 Township: 17N Range: 07W

unnamed

unnamed 22.00345

22.0000

Physical

Montesano

City

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.98357

 Longitude:
 -123.59436

WA state plane south (NAD 27, feet)

East: 1,228,178

North: 616,992

Location / Directions:

Water crossing is approximately 75 meters northwest of Spruce St/Academy St intersection.

Site Comments:

OHW = 1.40 meters.

EVALUATION LEVEL COMPLETED

Report Logged
Field Povious

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIAL

	.0.0.1	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
V	Coho	Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/19/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

0.82

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.66
0.66
Unk
0.00
0.54
No
0.50
No

Culvert Comments:

Span/Toe Ratio

Unable to located US end of culvert, can not completed level A survey.



Mason Conservation District

Site ID:

PI:

127S0295

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION		
Road Name:	E Elma Ave	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	5	
Township:	17N	
Range:	07W	

unnamed

Chehalis R 22.0190

22.0345

Yes

Mapped

Montesano

City

POSITIONAL DATA

Longitude:

WGS 84, decimal degrees 46.98085 Latitude: -123.59183

WA state plane south (NAD 27, feet)

1,228,770 615,974 North:

Location / Directions:

Water crossing is approximately 50 meters east of E Elma Ave/Satsop St intersection..

Site Comments:

Wetland habitat. Stream flows through housing area..

CCIE	SPUIENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	8/18/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	1.25
Span/Toe Ratio	1.08

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PCC
Span (m)	0.75
Rise (m)	0.75
Length (m)	11.93
Slope (%)	0.36
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.71
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Storm drainage entering at right bank on downstream end of road. Culvert 1.2 is on right bank.

Site ID:

PI:

127S0295

Fish Use:

Barrier:

Yes No

Mason Conservation District

CULVERT DESCRIPTION

2.2 Sequencer: RND Shape PCC Material 0.61 Span (m) Rise (m) 0.61 12.10 Length (m) 0.41 Slope (%) Yes Bed Material 0.00 Outfall Drop (m) 0.61 WDIC (m) Apron No 1.00 Fill Depth (m) No Tidegate

Culvert Comments:

Culvert is completely submerged. Culvert 2.2 is on left bank.

Mason Conservation District

Site ID:

PI:

127S0296

Fish Use:

Yes

Barrier: Unk

SITE	DESC	RIP	TION

GENERAL LOCATION

Township:

WATERBODY

Tributary To:

FUP Criteria:

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

E Pioneer Ave Road Name: Grays Harbor County: $\mathsf{N}\mathsf{W}$ 1/4 Section: Section: 8

17N 07W

unnamed

Chehalis R 22.0190

22.0000

Mapped

Montesano

City

POSITIONAL DATA

WGS 84, decimal degrees

46.97938 Latitude: -123.59230 Longitude: WA state plane south (NAD 27, feet) 1,228,632 615,445 North:

Location / Directions:

Water crossing is approximately 0.10 miles east of Satsop St/Pioneer Ave intersection.

Site Comments:

OHW = 5.10 meters.

EVALUATION LEVEL COMPLETED

n

PECIES PO	IENTIAL	
Sock	keye [Sea Run Cutthroat
Pink	[✓ Resident Trout
Chur	n [Dolly/Bull Trout
Chin	ook [Brook Trout
✓ Coho	o [Brown Trout
Stee	lhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

PTION
PTION

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.51
Rise (m)	1.51
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	1.17
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Unable to determine slope and length due to underground horizontal bends in culvert. Level A not applicable.



Mason Conservation District

Site ID:

PI:

-123.59344

127S0297

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

GENERAL LOCATION Railroad track Road Name: Grays Harbor County: NW1/4 Section: Section: 8 17N Township:

07W

unnamed

Chehalis R 22.0190

22.0000

Mapped

Puget Sound and Pacific RR

Private

POSITIONAL DATA

Longitude:

WGS 84, decimal degrees 46.97900 Latitude:

WA state plane south (NAD 27, feet)

1,228,344 615,317 North:

Location / Directions:

Water crossing is located on railroad grade approximately 75 meters SW of Academy St/Pioneer Ave intersection.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
~	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
~	Coho	Brown Trout
	Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION

Toe Width (m)	1.84
Span/Toe Ratio	0.97

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	ARCH
Material	MSY
Span (m)	1.79
Rise (m)	1.50
Length (m)	9.89
Slope (%)	-3.40
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.58
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

No plunge pool due to wetland habitat



Mason Conservation District

Site ID:

PI:

127S0298

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

WATERBODY

FUP Criteria:

OWNER

Name:

Type:

GENERAL LOCATION Road Name: W McBryde County: Grays Harbor 1/4 Section: NW Section: 6 Township: 17N Range: 07W

POSITIONAL DATA

North:

WGS 84, decimal degrees	
Latitude:	46.98782
Longitude:	-123.60651
WA state plane south (NAD 27, feet)	
East:	1,225,209

Location / Directions:

618,659

Stream:	unnamed	Water crossing is approximately 0.10 miles east
Tributary To:	Sylvia Cr 22.0261	of N 6th St/McBryde Ave junction.
WRIA:	22.0000	
Fish Use:	Yes	
FUD Odtodo	Dhysical	Site Comments:

Physical

Montesano

City

SPECIES POTENTIAL	
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout

Brown Trout

LEVEL	Α	ANAL	YSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.90	
Span/Toe Ratio	0.50	

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	20.17
Slope (%)	4.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

No plunge pool.



Mason Conservation District

Site ID:

PI:

127S0299

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Simpson Ave County: Grays Harbor 1/4 Section: SW Section: 6

 Section:
 6

 Township:
 17N

 Range:
 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Sylvia Cr 22.0261

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: Montesano
Type: City

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.98609

 Longitude:
 -123.60848

 WA state plane south (NAD 27, feet)

 East:
 1,224,694

 North:
 618,047

Location / Directions:

Water crossing is located at north 6th St/W Simpson junction.

Site Comments:

Downstream banks armored with log controls.

EVALUATION LEVEL COMPLETED

	Report Logged
~	Field Review
	Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

LOIL	.51 OILNIIAL	
	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:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.61
Span/Toe Ratio	1.00

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.60
Length (m)	76.90
Slope (%)	3.10
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.09
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Grate at upstream end of culvert.



Mason Conservation District

Site ID:

PI:

127S0300

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:	N 6th St
County:	Grays Harbor
1/4 Section:	SW
Section:	6
Township:	17N
Range:	07W

POSITIONAL DATA

Location / Directions:

Site Comments:

Longitude:

WGS 84, decimal degrees	
Latitude:	46.98661
Longitude:	-123.60815

WA state plane south (NAD 27, feet)

1,224,783 618,235 North:

Water crossing is approximately 40 meters

Stream flows under residence at 612 N 6th St.

north of N 6th St/Simpson Ave junction.

SI

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

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

CHANNEL DESCRI	PTION
Max Depth (m)	
OHW (m)	
. ,	
Length (m)	

Toe Width (m)	0.52
Span/Toe Ratio	1.17

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.60
Length (m)	25.00
Slope (%)	3.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Downstream end of culvert heavily rusted. Upstream end of culvert is precast concrete, possible grade break within culvert.



WRIA 22 Fish Passage Inventory Site ID: 127S0301 Fish Use: No PI: Barrier: **Mason Conservation District** SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Report Logged W Harriet Ave WGS 84, decimal degrees Road Name: Grays Harbor 46.98885 **~** Field Review Latitude: County: Threshold Determination -123.60983 NW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 6 WA state plane south (NAD 27, feet) Downstream Check 17N Township: 1,224,397 07W Physical Survey Range: 619,067 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is located at the west Harriet Sockeye Sea Run Cutthroat Tributary To: Sylvia Cr 22.0261 Ave/N 7th St. 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 = 0.55 meters. OWNER Steelhead Montesano Name: City 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:

127S0302

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

W Harriet Ave Road Name:

Grays Harbor County: NW 1/4 Section: Section: 6 17N Township: 07W

unnamed

Sylvia Cr 22.0261

22.0000

Physical

Montesano

City

POSITIONAL DATA

WGS 84, decimal degrees

46.98867 Latitude: -123.60682 Longitude: WA state plane south (NAD 27, feet) 1,225,145

618,971

Location / Directions:

North:

Water crossing is approximately 10 meters east of W Harriet Ave/N 5th St junction.

Site Comments:

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

Coho

Steelhead

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	0.62
Span/Toe Ratio	0.73

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.45
0.45
39.20
8.00
No
0.12
0.03
No
5.00
No

Culvert Comments:

Culvert spills onto concrete slabs. No plunge pool, riffles directly downstream of outfall drop. The culvert bend horizontally underground. Culvert is round precast cement at the upstream end, possible grade break.



Mason Conservation District

Site ID:

PI:

127S0303

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	W Simpson Ave
County:	Grays Harbor
1/4 Section:	SE
Section:	1
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude: 46.98589			
Longitude:	-123.61488		
WA state plane south (NAD 27, feet)			
East: 1,223,095			
North: 618,038			

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
Sylvia Cr 22.0261
22.0000
Yes
Physical

Location / Directions:

Site Comments:

Water crossing is approximately 100 meters west of the W Simpson Ave/N 10th St junction.

SPECIES POTENTIAL

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

OWNER

Name:	Montesano	
Туре:	City	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Beaver activity upstream of culvert.

Length (m)	1.50
OHW (m)	1.44
Max Depth (m)	0.16
CHANNEL DESCRI	PTION
Toe Width (m)	0.64

1.17

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.75
Length (m)	28.65
Slope (%)	1.60
Bed Material	No
Outfall Drop (m)	0.13
WDIC (m)	0.04
Apron	No
Fill Depth (m)	13.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Metal debris guard at upstream end of culvert.



Mason Conservation District

Site ID:	127S0304	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

SITE DESCR	IPTION				
GENERAL LOCA	ATION	N POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	N Lake Sylvia Rd	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	46.98840	✓	Field Review
1/4 Section:	NE	Longitude:	-123.60410		Threshold Determination
Section:	6	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	17N	East:	1,225,819		Downstream Check
Range:	07W	North:	618,847		Physical Survey
WATERBODY		Location / Direction	s:	CDECIE	CO DOTENTIAL
Stream:	unnamed	Water crossing is an	proximately 50 meters	SPECIE	Sockeve Sea Run Cutthroat
Tributary To:	unnamed 22.0345	north of the N Lake S	Sylvia Rd/W McBryde Ave		
WRIA:	22.0000	intersection.			
Fish Use:	No				
FUP Criteria:	Physical	Site Comments:			
OWNER		Stream bed vegetate perennial plants. OH			Coho Brown Trout Steelhead
Name:	Montesano				
Type:	City				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	4/20/2004	Length (m)		Survey	Туре:
Field Crew:	Haque/Lutz/Schuetzler	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnir	ng (sq m)
Passability (%)		CHANNEL DESCRIPTION Rearing (sq m)		(sa m)	
Method		Г			V-1 /
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

1.1
RND
PCC
0.31
0.31
0.10
No
1.20
No

Culvert Comments:



Mason Conservation District

Site ID: 127S0305 Fish Use: No PI: Barrier:

SITE DESCR	IPTION					
GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED	
Road Name:	N Lake Sylvia Rd	WGS 84, decimal deg	grees		Report Logged	
County:	Grays Harbor	Latitude:	46.99174	✓	Field Review	
1/4 Section:	NE	Longitude:	-123.60101		Threshold Determination	
Section:	6	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination	
Township:	17N	East:	1,226,637		Downstream Check	
Range:	07W	North:	620,032		Physical Survey	
WATERBODY		Location / Directions	s:	SDECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is located at the entrance to Lake Sylvia State Park.			Sockeye Sea Run Cutthroat	
Tributary To:	unnamed 22.0345				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 = 0.55 meters.			Steelhead	
Name:	Washington State Parks					
Туре:	State					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DES	CRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	4/20/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz/Schuetzler	OHW (m)		Length ((m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)				Rearing		
Method		CHANNEL DESCRIP	TION	rtearing	(94 111)	

CULVERT DESCRIPTION

Repair Status

Problem

Sequencer:	1.2
Shape	RND
Material	PCC
Span (m)	0.49
Rise (m)	0.49
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	15.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Large slab of bank clay is covering part of upstream end of culvert on right bank side. Culvert 1.2 is on left bank. Photo taken at upstream end.



Site ID:

PI:

127S0305

Fish Use:

Barrier:

No

Mason Conservation District

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.20
Rise (m)	0.20
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.07
Apron	No
Fill Depth (m)	15.00
Tidegate	No

Culvert Comments:

Culvert 2.2 is on right bank.



Mason Conservation District

Site ID:

127S0306

Fish Use: Barrier: Yes Unk

PI:

SITE	DESCRIPTION

GENERAL LOCATION

 Road Name:
 N Lake Sylvia Rd

 County:
 Grays Harbor

 1/4 Section:
 NE

 Section:
 6

 Township:
 17N

 Range:
 07W

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

Site Comments:

southwest of Lake Sylvia bridge.

 Latitude:
 46.99477

 Longitude:
 -123.59684

 WA state plane south (NAD 27, feet)

East: 1,227,720 North: 621,098

Water crossing is approximately 0.20 miles

Natural point barrier for anadromous species

downstream, at outlet of Lake Sylvia.

SPECIES POTENTIAL

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

Downstream Check

Physical Survey

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Expanded Threshold Determination

Field Review

Chum
Chinook

Coho Steelhead

Brown Trout

Brook Trout

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Sylvia Cr 22.0261

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: Washington State Parks
Type: State

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/20/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LA
Repair Status	NG
Problem	

PLUNGE POOL DESCRIPTION

PTION
PTION

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.30
Rise (m)	0.30
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

High gradient, drains directly into Lake Sylvia.



Mason Conservation District

Site ID:	127S0307	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

SITE DESCR	RIPTION					
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	N Lake Sylvia Rd	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	46.99505	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.59565		Threshold Determination	
Section:	5	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination	
Township:	17N	East:	1,228,020		Downstream Check	
Range:	07W	North:	621,186		Physical Survey	
WATERBODY		Location / Directions	s:	enecie	ES POTENTIAL	
Stream:	unnamed	Water crossing is app	roximately 0.15 miles	3FECIE	Sockeye Sea Run Cutthroat	
Tributary To:	Sylvia Cr 22.0261	southwest of Lake Syl				
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:				
OWNER		Natural point barrier for anadromous species downstream, at outlet of Lake Sylvia. OHW =			Coho Brown Trout Steelhead	
Name:	Washington State Parks	0.55 meters.				
Type:	State					
LEVEL A AN	IALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DES	CRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	5/20/2004	Length (m)		Survey ¹	Туре:	
Field Crew:	Haque/Lutz/Schuetzler	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawnir	ng (sq m)	
Passability (%)		CHANNEL DESCRIP	TION	Rearing		
Method		F	TION	rtoaring	,	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Root wad at upstream end of culvert.



Mason Conservation District

Site ID:	127S0308	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

OILE DEGO	11011					
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	Lake Sylvia State Park Rd	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	46.99597	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.59330		Threshold Determination	
Section:	32	WA state plane south	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	18N	East:	1,228,621		Downstream Check	
Range:	07W	North:	621,499		Physical Survey	
WATERBODY		Location / Direction	is:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 50 meters		Sockeye Sea Run Cutthroat	
Tributary To:	Sylvia Cr 22.0261	southeast of Lake Sy			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		Natural point barrier for anadromous species downstream, at outlet of Lake Sylvia. OHW =		Steelhead		
Name:	Washington State Parks	0.27 meters.				
Type:	State					
LEVEL A AN	IALYSIS					
SUMMARY INFO	DRMATION	PLUNGE POOL DES	SCRIPTION	POTEN	ITIAL HABITAT GAIN	
Review Date:	4/20/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz/Schuetzler	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	PCC
Span (m)	0.31
Rise (m)	0.31
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0309

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION	
Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	8
Township:	17N

07W

unnamed

Unnamed 22.0346

22.0000

Physical

John Vetter

Private

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.97799
Longitude:	-123.58026
WA state plane south (NAD 27, feet)	
East:	1,231,616

614,821

Location / Directions:

North:

Water crossing is approximately 0.25 miles south of residence @ 63 Monte-Elma Rd on private drive.

Site Comments:

Upstream of culvert stream flows adjacent to road for approximately 20 meters, then enters

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

CHANNEL DESCR	IFTION
CHANNEL DESCR	IDTION
Max Depth (m)	
OHW (m)	
Length (m)	

Toe Width (m) 0.70

0.86

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PVC
0.60
0.60
6.29
0.48
Yes
0.00
0.20
No
0.30
No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0310

Fish Use:

e: Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	Private Dr
0	Crove Herbe

 County:
 Grays Harbor

 1/4 Section:
 NE

 Section:
 8

 Township:
 17N

07W

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.97775

 Longitude:
 -123.58005

 WA state plane south (NAD 27, feet)

 East:
 1,231,666

614,729

EVALUATION LEVEL COMPLETED

Report Logged
Field Review
Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

WATERBODY

Range:

 Stream:
 unnamed

 Tributary To:
 Chehalis R 22.0190

 WRIA:
 22.0346

 Fish Use:
 Yes

 FUP Criteria:
 Physical

Location / Directions:

North:

Water crossing is approximately 0.30 miles south of residence @ 63 Monte-Elma Rd on private drive.

SPECIES POTENTIAL

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

OWNER

Name:	John Vetter
Type:	Private

Site Comments:

LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	10/4/2005
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.70	
OHW (m)	2.60	
Max Depth (m)	0.50	
CHANNEL DESCRIPTION		
Toe Width (m)	1.00	

1.86

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PCC
Span (m)	0.93
Rise (m)	0.93
Length (m)	5.56
Slope (%)	0.54
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.25
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Road fill eroding at both ends. Culvert 1.2 is located on LB. $\,$



Mason Conservation District

Site ID:

PI:

127S0310

Fish Use:

Yes

Barrier: No

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.93
Rise (m)	0.93
Length (m)	5.53
Slope (%)	2.11
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.25
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Culvert 2.2 is located on RB.



Mason Conservation District

Site ID:

PI:

127S0311

Fish Use: Barrier:

Yes Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	SE
Section:	8
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.97357	
Longitude:	-123.57872	
WA state plane south (NAD 27, feet)		
East:	1,231,938	
North:	613,195	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

Water crossing is approximately 0.65 miles southeast on private road for residence @ 63 Monte-Elma Rd.

SPECIES POTENTIAL

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

OWNER

Name:	John Vetter
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	9.90	
OHW (m)	5.47	
Max Depth (m)	1.20	
CHANNEL DESCRIPTION		
Toe Width (m)	2.40	

0.26

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.62
0.62
6.43
-0.21
No
0.00
0.63
BE
1.00
No

Culvert Comments:

Span/Toe Ratio

Bank stabilization at both ends. Culvert is recessed 0.4 meters from edge of concrete fill. Level B not applicable due to tidal influence and backwatered slough.



Mason Conservation District

Site ID:

PI:

127S0312

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION **GENERAL LOCATION**

Monte-Elma Rd Road Name: Grays Harbor County: 1/4 Section: SE Section: 5 17N Township: 07W

POSITIONAL DATA

WGS 84, decimal degrees

46.98184 Latitude: -123.57570 Longitude: WA state plane south (NAD 27, feet) 1,232,809

616,178

Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Chehalis R 22.0190
WRIA:	22.0346
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.20 miles west of Monte-Elma Rd/Poplar Rd junction.

Road failing upstream and downstream.

SPECIES POTENTIAL

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

OWNER

Name:	Grays Harbor
Type:	County

Length (m)	3.00
OHW (m)	2.10
Max Depth (m)	0.35

POTENTIAL HABITAT GAIN

Steelhead

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

LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.00
OHW (m)	2.10
Max Depth (m)	0.35
CHANNEL DESCRIPTION	

1.50

0.66

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	CPC
Span (m)	0.99
Rise (m)	0.93
Length (m)	15.94
Slope (%)	0.36
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Cement bank stabilization at downstream end of culvert on both banks. Wooden post across upstream end of culvert.



Mason Conservation District

Site ID:

PI:

127S0313

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	SE
Section:	5
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84,	decimal	degree

Latitude:	46.98164	
Longitude:	-123.57577	
WA state plane south (NAD 27, feet)		
East:	1,232,787	
North:	616,105	
1		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Chehalis R 22.0190
WRIA:	22.0346
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

Water crossing is approximately 0.80 miles east of Glen St/Monte-Elma Rd. Culvert is 50 meters south beneath railroad grade.

FECILS FO	ILIVIIAL	
Soci	кеуе	✓ Sea Run Cutthroa
Pink		✓ Resident Trout
Chu	m	Dolly/Bull Trout
Chin	ook	Brook Trout
✓ Coh	0	Brown Trout
Stee	lhead	

OWNER

Name:	Puget Sound and Pacific RF
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	12.10
OHW (m)	5.60
- ()	
Max Depth (m)	0.80
CHANNEL DESCRI	PTION
Toe Width (m)	1.50

0.70

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.05
Rise (m)	1.10
Length (m)	14.97
Slope (%)	-1.60
Bed Material	No
Outfall Drop (m)	0.14
WDIC (m)	0.06
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Span/Toe Ratio

Culvert Comments: Culvert is sloped inversely.



Mason Conservation District

Site ID:

PI:

127S0314

Fish Use:

Yes Yes

Barrier:

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check Physical Survey

Expanded Threshold Determination

Field Review

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Monte-Elma Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude:	46.98346	
Longitude:	-123.56808	
WA state plane south (NAD 27, feet)		
East:	1,234,732	
North:	616,696	
Location / Directions:		

Water crossing is approximately 0.10 miles west of Beacon Ave/Monte-Elma Rd junction.

approximately 10 meters downstream of culvert.

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

WATERBODY

Type:

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

Site Comments:

City

OWNER Montesano Name:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Stream flows under rail road tracks

Length (m)	3.38	
OHW (m)	1.50	
Max Depth (m)	0.38	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	PCC
Span (m)	0.84
Rise (m)	0.84
Length (m)	12.45
Slope (%)	1.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Concrete beams create the sides and top of the culvert at downstream end where culvert is collapsing. Toe width unavailable.



Mason Conservation District

Site ID:

PI:

127S0315

Fish Use:

Yes

Yes

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Railroad track Road Name: Grays Harbor County: SW 1/4 Section: 4 Section:

17N Township: 07W Range:

WATERBODY

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

OWNER

Name:	Puget Sound and Pacific F
Туре:	Private

POSITIONAL DATA

WGS 84	decimal	degrees
VV CC C7	, accimiai	acgree.

Latitude:	46.98331	
Longitude:	-123.56809	
WA state plane south (NAD 27, feet)		
East:	1,234,726	
North:	616,640	

Location / Directions:

Water crossing is approximately 0.10 miles west of Beacon Ave/Monte-Elma Rd junction, beneath railroad grade.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

LOIL	3 I OILMIIAL	
	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:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION	
Max Depth (m)	0.26
OHW (m)	3.20
Length (m)	5.52

Toe Width (m)	0.60
Span/Toe Ratio	1.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.92
Rise (m)	0.92
Length (m)	9.40
Slope (%)	1.24
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Wooden planks at downstream end of culvert providing bank stabilization.



Mason Conservation District

Site ID:

PI:

127S0316

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:	Monte-Elma Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

Location / Directions:

WGS 84, decimal degrees		
Latitude:	46.98513	
Longitude:	-123.5609	

WA state plane south (NAD 27, feet)

1,236,535 617,233 North:

Water crossing is located immediately west of

the Monte-Brady Rd/Monte-Elma Rd junction.

S

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

WATERBODY

OWNER

Name:

Type:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0349
Fish Use:	Yes
FUP Criteria:	Mapped

Grays Harbor

County

Site Comments:

Stream flows 10 meters to additional culvert under railroad grade. OHW = 3.25 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	2.80
Span/Toe Ratio	0.64

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	CPC
Span (m)	1.80
Rise (m)	1.86
Length (m)	14.69
Slope (%)	0.82
Bed Material	No
Outfall Drop (m)	0.06
WDIC (m)	0.13
Apron	DS
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Level B not obtainable due to second culvert immediately (10 meters) DS of site. Culvert ends are beveled.



Mason Conservation District

Site ID:

PI:

46.98491

127S0317

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal de	grees
Latitude:	

Longituae:	-123.56079	
WA state plane south (NAD 27, feet)		
East:	1,236,569	
NI - utla .	617 154	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0349
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 30 meters southwest of Monte-Elma Rd/Monte-Brady Rd junction.

Site Comments:

SPECIES POTENTIA

PECIES POTENTIA	\L
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
✓ Coho	Brown Trout
Steelhead	

OWNER

Name:	Puget Sound and Pacific RR
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	11.35
OHW (m)	5.94
Max Depth (m)	0.92
CHANNEL DESCRIPTION	

2.80

0.74

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	ARCH
Material	PCC
Span (m)	2.08
Rise (m)	2.01
Length (m)	7.76
Slope (%)	2.57
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.29
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Plunge pool influenced by concrete slabs used for bank stabilization.



Mason Conservation District

Site ID:

PI:

127S0318

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:	Elma Monte Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	4
Township:	17N

07W

Grays Harbor

County

POSITIONAL DATA

Location / Directions:

Site Comments:

North:

WGS 84, decimal degrees		
Latitude:	46.98570	
Longitude:	-123.55724	
WA state plane south (NAD 27, feet)		
Fast:	1 237 466	

617,405

S

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

WATERBODY

Range:

OWNER

Name:

Type:

Stream:	Camp Cr
Tributary To:	unnamed 22.0349
WRIA:	22.0351
Fish Use:	Yes
FUP Criteria:	Mapped

Water crossing is approximately 0.20 miles east of the Monte Elma Rd/Monte Brady Rd junction.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity

PLUNGE POOL DESCRIPTION

Length (m)	12.10
OHW (m)	6.15
Max Depth (m)	1.05
CHANNEL DECORPTION	

CHANNEL DESCRIPTION

Toe Width (m)	2.45
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	CPC
Span (m)	1.22
Rise (m)	0.93
Length (m)	12.71
Slope (%)	0.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Beveled culvert. Stream eroding under downstream end of culvert. Road beginning to fail at upstream end.



Mason Conservation District

Site ID:

PI:

127S0319

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

Field Review

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

Road Name: Private Rd County: Grays Harbor 1/4 Section: NW Section: 3 Township: 17N

07W

unnamed

unnamed 22.0349

22.0000

Yes

Physical

Grays Harbor

County

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 46.98818

Longitude: -123.54477

WA state plane south (NAD 27, feet)

East: 1,240,611

North: 618,188

enr

Enter Vaughn Co Inc parking lot at 364 Monte Elma Rd. Water crossing is approximately 0.1 miles west on paved single lane frontage road.

Site Comments:

Location / Directions:

Ecology blocks place at site above culvert ends.

SPECIES POTENTIAL

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

Expanded Threshold Determination

_

LEVEL A ANALYSIS

SUMMARY INFORMATION

4/21/2004
Haque/Lutz/Schuetzler
Yes
67
LB
UD
depth

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
CHANNEL DESC	RIPTION	
Toe Width (m)	RIPTION	

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.93
Rise (m)	0.93
Length (m)	6.48
Slope (%)	0.62
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:

Riffle at downstream end of culvert, no outfall drop or plunge pool measurements. Excavated channel downstream obscures toe measurement, but $\mathsf{OHW} < 0.6$ meters.



Mason Conservation District

Site ID:

PI:

127S0320

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Railroad track County: Grays Harbor

 County.
 Grays Harbon

 1/4 Section:
 SW

 Section:
 3

 Township:
 17N

 Range:
 07W

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.98833

 Longitude:
 -123.54454

 WA state plane south (NAD 27, feet)

 East:
 1,240,670

 North:
 618,242

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Metcalf SI 22.0348

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

Location / Directions:

Site Comments:

Water crossing is approximately 100 meters southwest of Camp Creek Rd/Monte-Elma Rd junction, beneath railroad grade.

SPECIES POTENTIAL

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

OWNER

Name: Puget Sound and Pacific RR

Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/21/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.88
0.88
9.94
2.80
No
0.00
0.28
No
1.00
No

Culvert Comments:

Channel highly modified, no toe measurement available.



Mason Conservation District

Site ID:

PI:

127S0321

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Monte-Elma Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	3

17N

07W

WATERBODY

Township:

Range:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Grays Harbor
Type:	County

POSITIONAL DATA

WGS	84.	decimal	degree
** 00	υ¬,	accimia	ucgi cc.

Latitude:	46.98868
Longitude:	-123.54389
WA state plane sout	h (NAD 27, feet)
East:	1,240,837
North:	618,365

Location / Directions:

Water crossing is approximately 40 meters west of Monte Elma Rd/Camp Cr Rd junction.

Site Comments:

Outflow of culvert is into excavated plunge pool then into ditch running both east and west of pipe.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	5.58
OHW (m)	3.93
Max Depth (m)	0.58

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.46
Rise (m)	0.46
Length (m)	12.63
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.35
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Downstream end of culvert is broken and plunge pool is excavated. Level B not applicable due to excavated plunge pool which then flows both E and W in ditch along Monte Elma Rd.



Mason Conservation District

Site ID:

127S0322

Fish Use:

Yes

PI: Barrier: Unk

EVALUATION LEVEL COMPLETED

Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

SITE	DES	CRI	IPTI	ON

GENERAL LOCATION Road Name: Camp Creek Rd County: Grays Harbor 1/4 Section: NW Section: 3 Township: 17N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

Rd/Monte-Elma Rd junction.

 Latitude:
 46.98897

 Longitude:
 -123.54359

 WA state plane south (NAD 27, feet)

 East:
 1,240,918

 North:
 618,466

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

WATERBODY

OWNER

Name:

Type:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Grays Harbor

County

Site Comments:

Stream runs along side of road in excavated ditch

Water crossing is located at the Camp Creek

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.62
0.62
15.10
-0.70
Yes
0.00
0.09
No
0.50
No

Culvert Comments:

US end of culvert is broken off. Level B not applicable due to lack of downstream control point.



Mason Conservation District

Site ID:

PI:

127S0323

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

Monte-Elma Rd Road Name: Grays Harbor County: NE 1/4 Section: Section: 3 17N Township: 07W

POSITIONAL DATA

WGS 84, decimal degrees

46.98906 Latitude: -123.54260 Longitude: WA state plane south (NAD 27, feet) 1,241,166 618,491 North:

S

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

WATERBODY

Range:

OWNER

Name:

Type:

Stream:	unnamed
Γributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Grays Harbor

County

Location / Directions:

Water crossing is approximately 50 meters east of Monte-Elma Rd/Camp Creek Rd junction.

Site Comments:

Stream channel highly modified.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.10
OHW (m)	3.38
Max Depth (m)	
CHANNEL DESCRIPTION	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

OOLVERT BEOOKII TION	
Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.61
Rise (m)	0.61
Length (m)	13.25
Slope (%)	1.10
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	1.00
Tidegate	No
Length (m) Slope (%) Bed Material Outfall Drop (m) WDIC (m) Apron Fill Depth (m)	13.25 1.10 No 0.00 0.26 No 1.00

Culvert Comments:

Toe Width (m) Span/Toe Ratio

Plunge pool has been excavated. Highly modified channel obscures toe measurement.



Mason Conservation District

Site ID:

PI:

127S0324

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	17N

07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude:	46.98878	
Longitude:	-123.54262	
WA state plane south (NAD 27, feet)		
East:	1,241,155	
North:	618,386	

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey
	Expanded Threshold Determination Downstream Check

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 75 meters east of Monte Elma RD/Camp Cr Rd junction, beneath railroad grade.

Site Comments:

SPECIES POTENTIAI

PECIE	3 FUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Puget Sound And Pacific RF
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.89	

0.47

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.88
Rise (m)	0.88
Length (m)	9.70
Slope (%)	0.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Plunge pool is influenced by additional culvert approximately 4 meters downstream of site. Level B not applicable due to lack of downstream control point.



Mason Conservation District

Site ID:

PI:

127S0325

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NE
Section:	3
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 46.98859

Longitude: -123.54261

WA state plane south (NAD 27, feet)

East: 1,241,156

North: 618,319

EVALUATION LEVEL COMPLETED

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

WATERBODY

unnamed
Metcalf SI 22.0348
22.0000
Yes
Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.10 miles southeast of Camp Cr Rd/Monte Elma Rd junction, south of the railroad grade.

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
✓ Coh	10	Brown Trout
Ste	elhead	

OWNER

Name:	Vaughan Co Inc
Гуре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Wetland influence downstream.

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.89	

0.47

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.89
Rise (m)	0.93
Length (m)	9.50
Slope (%)	0.60
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.28
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

No measurable plunge pool due to wetland influence. Level B not applicable due to lack of downstream control point.



Mason Conservation District

Site ID: 127S0326 Fish Use: PI: Barrier:

Yes

Yes

SITE DESCRIPTION

GENERAL LOCATION POSITIONAL DATA		EVALUATION LEVEL COMPLETED		COMPLETED		
Road Name:	Winkleman Rd	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	46.99166	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.52775		Threshold Det	ermination
Section:	2	WA state plane south (NAD 27, feet)			Expanded Thr	eshold Determination
Township:	17N	East:	1,244,905		Downstream (Check
Range:	07W	North:	619,293		Physical Surve	еу
WATERBODY		Location / Direction	ns:	SPECII	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 50 meters	JFEGII	Sockeye	Sea Run Cutthroat
Tributary To:	unnamed 22.0353	south of Winkleman Rd/Monte-Elma Rd junction.			Pink	
WRIA:	22.0000				Chum	Resident Trout
Fish Use:	Yes					Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
OWNER		Culvert passes unde adjacent to Winklem	er private drive and flows an Rd.		Coho Steelhead	Brown Trout
Name:	Skye, Judith K					
Type:	Private					

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.24	
OHW (m)	1.55	
Max Depth (m)	0.34	
CHANNEL DESCRIPTION		

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.60
Rise (m)	0.60
Length (m)	8.71
Slope (%)	1.90
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Plunge pool has been excavated and stream runs along ditch drainage. No toe width obtainable.



Mason Conservation District

Site ID:

127S0327

Fish Use:

Yes

PI: Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

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

Section: 2 17N Township:

07W Range:

WATERBODY

Stream: unnamed Tributary To: unnamed 22.0353 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

OWNER

Nelson, Kenneth W Name: Private Type:

POSITIONAL DATA

WGS 84, decimal degrees

46.99054 Latitude: -123.52777 Longitude:

WA state plane south (NAD 27, feet) 1,244,883 618,888 North:

Location / Directions:

Water crossing is located at the end of Winkleman Rd S.

Site Comments:

Steam flows adjacent to Winkleman Rd in excavated ditch with an OHW > 0.6 meters.

EVALUATION LEVEL COMPLETED

Report Logged	d
---------------	---

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:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m) Span/Toe Ratio

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.76
Rise (m)	0.74
Length (m)	9.46
Slope (%)	1.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.40
Tidegate	No

Culvert Comments:

Toe measurement unavailable due to excavated ditch delivery upstream and downstream of site. OHW > 0.6 meters with no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0328

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:	Railroad track
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

Location / Directions:

Site Comments:

WGS 84, decimal degrees		
Latitude:	46.99197	
Longitude:	-123.52787	
WA state plane south (NAD 27, feet)		

	,,
East:	1,244,878
North:	619,407

Water crossing is approximately 20 meters southwest of Monte-Elma Rd/Winkleman Rd junction, beneath railroad grade.

Additional culvert 15 meters downstream.

S

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Puget Sound and Pacific RF
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

OHAMMEL DECOM	· · · · · ·
Toe Width (m)	1.50
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.89
Rise (m)	0.89
Length (m)	9.68
Slope (%)	1.30
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	0.60
Tidegate	No

Culvert Comments:

Level B not applicable due to second culvert immediately downstream.



Mason Conservation District

Site ID:

PI:

127S0329

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION	١
GENERAL LOCATION	

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name: Monte-Elma Rd County: Grays Harbor 1/4 Section: NW Section: 2 Township: 17N Range: 07W

unnamed

unnamed 22.0353

22.0000

Physical

Grays Harbor

County

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.99215

 Longitude:
 -123.52790

 WA state plane south (NAD 27, feet)

 East:
 1,244,873

619,474

Location / Directions:

North:

Water crossing is located immediately west of Monte-Elma Rd/Winkleman Rd 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

PECIE	5 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:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
CHANNEL DESCRI	PTION

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.46
0.46
13.76
-0.10
No
0.04
0.03
No
1.00
No

Culvert Comments:

Stream flows in excavated ditch, unable to measure toe width. Level B not applicable due to lack of downstream control point.



Mason Conservation District

Site ID:

PI:

127S0330

EVALUATION LEVEL COMPLETED Report Logged Field Review

Threshold Determination

Downstream Check Physical Survey

Expanded Threshold Determination

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	Barrett Rd W
County:	Grays Harbor
1/4 Section:	SE
Section:	35
Township:	18N

07W

Grays Harbor

County

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99529
Longitude:	-123.51921

WA state plane south (NAD 27, feet)

	,,
East:	1,247,085
North:	620,535

Water crossing is approximately 0.10 miles

west of the Barrett Rd/W Barrett Rd junction.

S

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

WATERBODY

Range:

OWNER

Name:

Type:

unnamed
unnamed 22.0353
22.0000
Yes
Mapped

Site Comments:

Location / Directions:

Bank stabilization downstream of site.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

CHANNEL DESCR	IPTION
Max Depth (m)	
OHW (m)	
Lengur (III)	
Length (m)	

Toe Width (m)	3.11
Span/Toe Ratio	0.29

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.94
Length (m)	6.37
Slope (%)	0.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.16
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:

Level B not applicable due to lack of downstream control point. Stream flows directly into riffle downstream of culvert.



Mason Conservation District

Site ID:

PI:

127S0331

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION **GENERAL LOCATION**

Road Name:	Barrett Rd W
County:	Grays Harbor
1/4 Section:	SE
Section:	35

18N

07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude:	46.99730	
Longitude:	-123.52242	
WA state plane south (NAD 27, feet)		
East:	1,246,312	
North:	621,299	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Township:

Range:

Stream:	unnamed
Tributary To:	unnamed 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

From the Barrett RD/Barrett Rd W junction travel west to the end of Barrett Rd W. Site is located north on private drive @ 42 Barrett Rd

Site Comments:

Concrete bank stabilization downstream.

SPECIES POTENTIAL

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

OWNER

Name:	Larson, Russel
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity; depth

PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
Max Depth (m)	0.61	
OHW (m)	4.31	
Length (m)	7.10	
Length (m)	7.10	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

	Г
Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.92
Rise (m)	0.92
Length (m)	4.34
Slope (%)	0.20
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.52
Apron	No
Fill Depth (m)	
Tidegate	No

Toe Width (m)	1.80
Span/Toe Ratio	0.51

Culvert Comments:

Level B analysis completed 1/25/05.



Mason Conservation District

Site ID:

PI:

127S0332

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION **GENERAL LOCATION**

Road Name:	Monte-Elma Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	2

17N Township: 07W Range:

WATERBODY

unnamed
unnamed 22.0353
22.0000
Yes
Physical

OWNER

Name:	Grays Harbor
Туре:	County

POSITIONAL DATA

WGS 84, decimal degrees

	•
Latitude:	46.99412
Longitude:	-123.51910
WA state plane sout	h (NAD 27, feet)
East:	1,247,097
North:	620,109

Location / Directions:

Water crossing is approximately 0.20 miles west of Barrett Rd/Monte Elma Rd junction.

Site Comments:

Additional culvert 15 meters downstream.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES	POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
I	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
V	Coho	Brown Trout
	Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	2.64

0.48

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	CPC
Span (m)	1.26
Rise (m)	0.98
Length (m)	11.96
Slope (%)	-2.10
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.22
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffle at downstream end of culvert. Culvert is sloped inversely. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID:

PI:

127S0333

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	NE

 Section:
 2

 Township:
 17N

Range: 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 unnamed 22.0353

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

OWNER

Name: Puget Sound and Pacific RR

Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.99387

 Longitude:
 -123.51893

 WA state plane south (NAD 27, feet)

East: 1,247,135 North: 620,014

Location / Directions:

Water crossing is approximately 0.20 miles west of Barrett Rd N/Monte Elma Rd junction, beneath railroad grade.

Site Comments:

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

Field Review
Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

	Sockey	/e
_		

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:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION

Toe Width (m)	3.24
Span/Toe Ratio	0.53

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	PCC
Span (m)	0.89
Rise (m)	0.89
Length (m)	8.98
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.13
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert 1.2 on right bank. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID:

PI:

127S0333

Fish Use:

Yes

Barrier: Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	PCC
Span (m)	0.84
Rise (m)	0.84
Length (m)	8.82
Slope (%)	0.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Culvert 2.2 on left bank. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID:

PI:

127S0334

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad track
County:	Grays Harbor
1/4 Section:	NE
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.99361	
Longitude:	-123.51859	
WA state plane south (NAD 27, feet)		
East:	1,247,216	
North:	619,919	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

downstream end of culvert.

Water crossing is approximately 0.20 miles west of Barrett Rd/Monte-Elma Rd junction, in wooded area south of railroad grade.

Barbed wire fence dividing upstream and

SPECIES POTENTIAL

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

OWNER

Name:	larold Lemay Investment Co
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.63	

1.45

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	1.20
Rise (m)	1.23
Length (m)	13.11
Slope (%)	34.60
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.06
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Stream diverted at a 90 degree angle by concrete wall downstream of culvert. No plunge pool due to concrete wall diversion. Culvert 1.2 on right bank.



Mason Conservation District

Site ID:

PI:

127S0334

Fish Use:

Yes

Barrier: Yes

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	1.17
Rise (m)	1.23
Length (m)	12.34
Slope (%)	37.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Culvert 2.2 on left bank.



Mason Conservation District

Site ID:

PI:

127S0335

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 Evergreen Ln Road Name: Grays Harbor County: 1/4 Section: Section: 34 18N Township:

07W

POSITIONAL DATA

Location / Directions:

junction.

Site Comments:

WGS 84, decimal degrees 47.00114 Latitude: -123.53623 Longitude:

WA state plane south (NAD 27, feet)

1,242,923 622,829 North:

Water crossing is approximately 0.20 miles

west of the Winkleman Rd/Evergreen Ln

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: Metcalf SI 22.0348 WRIA: 22.0353 Fish Use: FUP Criteria: Mapped

OWNER

Bauman Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

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

Toe Width (m)	0.98
Span/Toe Ratio	1.59

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	SST
Span (m)	1.56
Rise (m)	1.05
Length (m)	14.76
Slope (%)	-7.00
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.08
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

No plunge pool, riffle at downstream end.



Mason Conservation District

Site ID:

PI:

127S0336

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Evergreen Ln
County:	Grays Harbor
1/4 Section:	SE
Section:	34
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84,	decimal	degree

Latitude:	47.00038	
Longitude:	-123.53574	
WA state plane south (NAD 27, feet)		
East:	1,243,034	
North:	622,550	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0353
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.35 miles west of Winkleman Rd/Evergreen Ln junction.

Site Comments:

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

OWNER

Name:	. Clinton and Janett Rathbu
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/22/2004
Field Crew:	Haque/Lutz/Schuetzler
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	1.50
Span/Toe Ratio	0.70

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)	1.05
Length (m)	14.64
Slope (%)	2.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.22
Apron	No
Fill Depth (m)	8.50
Tidegate	No

Culvert Comments:

Riffle at downstream end of culvert, no outfall or plunge pool.



Mason Conservation District

Site ID:

PI:

127S0337

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Beacon Ave
County:	Grays Harbor
1/4 Section:	SW
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.98449	
Longitude:	-123.56928	
WA state plane south (NAD 27, feet)		
East:	1,234,448	
North:	617,083	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

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

Location / Directions:

Site Comments:

ditch drainage. .

Water crossing is approximately 0.15 miles southwest of Poplar Rd/Beacon Ave junction.

Downstream of culvert, stream flows through

SPECIES POTENTIAL

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

OWNER

Name:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

PLUNGE POOL DESCRIPTION

Length (m)	3.21	
OHW (m)	2.44	
Max Depth (m)	0.39	
CHANNEL DESCRIPTION		

0.65

0.85

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.55
Rise (m)	0.55
Length (m)	11.41
Slope (%)	0.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0338

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

GENERAL LOCATION		
Road Name:	Beacon Ave	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	4	
Township:	17N	
Range:	07W	

unnamed

Chehalis R 22.0190

22.0346

Yes

Mapped

Montesano City

POSITIONAL DATA

WGS 84, decimal degrees
Latitude: 46.98548

Longitude: -123.57397

WA state plane south (NAD 27, feet)

East: 1,233,290

North: 617,489

Location / Directions:

Water crossing is approximately 0.10 miles east of Beacon Ave/Cherry St junction.

Site Comments:

Wetlands upstream and downstream.

EVALUATION LEVEL COMPLETED

Report Logged
Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIAL

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

Steelhead

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.90
Rise (m)	0.90
Length (m)	19.23
Slope (%)	1.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.79
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Toe Width (m) Span/Toe Ratio

Culvert is partially submerged. Unable to measure toe width or plunge pool due to wetland habitat. RND CST at upstream end.



Mason Conservation District

Site ID:

PI:

127S0339

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION Lake Dr Road Name:

Grays Harbor County: NW1/4 Section: Section: 4 17N Township:

07W

POSITIONAL DATA

WGS 84, decimal degrees

46.99004 Latitude: -123.57305 Longitude: WA state plane south (NAD 27, feet) 1,233,585 619,142

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream: unnamed Tributary To: Chehalis R 22.0190 WRIA: 22.0346 Fish Use: FUP Criteria: Physical

Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.20 miles south of Lake Dr/Camp Creek Rd junction.

SPECIES POTENTIAL

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

OWNER

Grays Harbor Name: County Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/25/2004		
Field Crew:	Haque/Lutz		
Barrier	Yes		
Passability (%)	33		
Method	LA		
Repair Status	UD		
Problem	outfall drop, slope		

PLUNGE POOL DESCRIPTION

Length (m)	4.81
OHW (m)	2.34
Max Depth (m)	0.65
CHANNEL DESCRIPTION	
Toe Width (m)	0.88

0.74

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
CST
0.65
0.65
19.16
2.20
No
0.92
0.02
No
0.50
No

Culvert Comments:

Span/Toe Ratio

Downstream end of culvert heavily rusted.



Mason Conservation District

Site ID: **127S0340**

PI:

Fish Use: No

Barrier:

SITE	DE	SCR	IPTI	ON

GENERAL LOCA	TION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	Camp Creek Rd	WGS 84, decimal of	degrees		Report Logo	ged
County:	Grays Harbor	Latitude:	46.99183	✓	Field Revie	W
1/4 Section:	NE	Longitude:	-123.57830		Threshold D	Determination
Section:	5	WA state plane so	uth (NAD 27, feet)		Expanded 1	hreshold Determination
Township:	17N	East: 1,232,301			Downstrear	n Check
Range:	07W	North:	619,846		Physical Su	rvey
WATERBODY		Location / Direction	ons:	SPECIE	S POTENTIA	ΔΙ
Stream:	unnamed	Water crossing is approximately 0.25 miles			Sockeye	Sea Run Cutth
Tributary To:	unnamed 22.0346	west of Wildwood Ln/Camp Creek Rd junction.			Pink	
WRIA:	22.0000				FIIIK	Resident Trout

FUP Criteria:	
OWNER	

Fish Use:

Name:	Grays Harbor
Гуре:	County

Physical

Site Comments:

OHW < 0.6 meters.

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

LEVEL A ANALYSIS

SUMMARY INFORMATION

SOMMAN I IN O	MIATION
Review Date:	4/25/2004
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:	
_ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.40
Rise (m)	0.43
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.19
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:	127\$0341	Fish Use:	No
PI:		Barrier:	

SITE DESCRI	IPTION				
GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	Camp Creek Rd	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	46.99183	✓	Field Review
1/4 Section:	NE	Longitude:	-123.57786		Threshold Determination
Section:	5	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	17N	East:	1,232,412		Downstream Check
Range:	07W	North:	619,839		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is app	proximately 0.20 miles	3FEGIL	Sockeye Sea Run Cutthroat
Tributary To:	unnamed 22.0346		west of Wildwood Ln/Camp Creek Rd 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		OHW < 0.6 meters.			Steelhead
Name:	Grays Harbor				
Type:	County				
LEVEL A ANA	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DES	SCRIPTION	POTEN	TIAL HABITAT GAIN
Review Date:	4/25/2004	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)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

1.1
RND
PCC
0.33
0.33
No
0.00
0.03
No
No

Culvert Comments:

Photo at upstream end.



Mason Conservation District

Site ID:

PI:

46.99043 -123.57433 127S0342

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:	Brook Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

Longitude:

WGS 84, decima	l degrees
Latitude:	

Location / Directions:

Site Comments:

WA state plane south (NAD 27, feet)

East: 1,233,271 619,297 North:

Water crossing is approximately 0.10 miles south of Camp Creek Rd/Brook Rd junction.

S

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

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0346
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Grays Harbor
Туре:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	1.72
OHW (m)	2.09
Max Depth (m)	0.19
CHANNEL DESCRIPTION	

Toe Width (m)	0.60	
Span/Toe Ratio	1.48	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.89
Rise (m)	0.91
Length (m)	18.70
Slope (%)	1.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0343

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION Road Name: Camp Creek Rd County: Grays Harbor 1/4 Section: NW Section: 4 Township: 17N

07W

unnamed

unnamed 22.0346

22.0000

Physical

Grays Harbor

County

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.99178

 Longitude:
 -123.56820

 WA state plane south (NAD 27, feet)

East: 1,234,820

North: 619,728

Location / Directions:

Water crossing is approximately 0.15 miles west of Roupe Rd/Camp Creek Rd junction.

Site Comments:

Beaver dam 3 meters downstream.

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
Coho	Brown Trout
Staalhaad	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	5.24
OHW (m)	3.04
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

1.1
RND
PCC
0.60
0.60
15.50
4.00
No
0.00
0.16
No
1.50
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0344

Fish Use:

Yes Yes

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	Camp Creek Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	3
Township:	17N
Range:	07W

unnamed

Metcalf SI 22.0348

22.0000

Yes

Mapped

Grays Harbor

County

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.99372

 Longitude:
 -123.54632

 WA state plane south (NAD 27, feet)

East: 1,240,304

North: 620,222

Location / Directions:

Water crossing is approximately 0.35 miles east of the Glen Rd/Camp Creek Rd junction.

Site Comments:

OHW=1.30m.

EVALUATION LEVEL COMPLETED

	Report Logged
~	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check
Physical Survey

SPECIES POTENTIAL

LCIL	SPOILNIAL	
	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:	4/25/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

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

CHANNEL DESCRIPTION		
oe Width (m)	0.75	
Span/Too Patio	0.60	

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.45
Rise (m)	0.45
Length (m)	10.79
Slope (%)	4.20
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No plunge pool measurements due to additional culvert 2 meters downstream.



Mason Conservation District

Site ID:

PI:

127S0345

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Camp Creek Rd
County:	Grays Harbor
1/4 Section:	NE
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees Latitude: 46.99181 -123.56139 Longitude: WA state plane south (NAD 27, feet) 1,236,518

619,674

EVALUATION LEVEL COMPLETED

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

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0349
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.15 miles east of Roupe Rd/Camp Creek Rd junction.

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

OWNER

Name:	Grays Harbor
Гуре:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.83	

0.50

POTENTIAL HABITAT GAIN

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

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	12.45
Slope (%)	1.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.28
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffle at downstream end. Additional culvert 50 meters downstream.



Mason Conservation District

Site ID:

PI:

127S0346

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION Road Name: Private Dr County: Grays Harbor 1/4 Section: NW Section: 3 Township: 17N Range: 07W

unnamed

Metcalf SI 22.0348

22.0000

Mapped

Chase Manhattan Bank

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99364
Longitude:	-123.54638

WA state plane south (NAD 27, feet)

East: 1,240,286

North: 620,195

Location / Directions:

Water crossing is approximately 0.35 of a mile east of the Glen Rd/Camp Cr Rd junction. Culvert is on a private drive @ 354 Camp Cr Rd.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

PECIES PO	IENTIAL	
Sock	keye [Sea Run Cutthroat
Pink	[✓ Resident Trout
Chur	n [Dolly/Bull Trout
Chin	ook [Brook Trout
✓ Coho	o [Brown Trout
Stee	lhead	

Type:

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

FUP Criteria:

LEVEL A ANALYSIS SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

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

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.47
Rise (m)	0.47
Length (m)	8.26
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.14
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

No toe width or plunge pool available due to excavation of channel. Level B not applicable due lack of downstream control.



Mason Conservation District

Site ID:

PI:

46.99084

127S0347

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Private Dr
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal de	gree
Latitude:	

Longitude: -123.53219
WA state plane south (NAD 27, feet)

East: 1,243,787
North: 619,038

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

WATERBODY

Stream:	unnamed
ributary To:	Metcalf SI 22.0353
VRIA:	22.0353
ish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is located on private eastbound road from Fairbairn Rd S. Private drive is immediately south of railroad grade, entrance marked with green gate.

Site Comments:

SPECIES POTENTIAI

PECIE	3 PUTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Sky, Judyth K.
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.52
OHW (m)	2.52
Max Depth (m)	0.23

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	0.61

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.93
Length (m)	6.54
Slope (%)	0.25
Bed Material	No
Outfall Drop (m)	0.13
WDIC (m)	0.13
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Level B completed on 1/24/05.



Mason Conservation District

Site ID:

PI:

127S0348

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Railroad grade
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99095
Longitude:	-123.53229
WA state plane south (NAD 27, feet)	

The second product of the	(= =. , ,
East:	1,243,762
North:	619,078

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0353
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 50 meters southeast of Monte-Elma Rd/Fairbairn Rd junction, beneath railroad grade.

Site Comments:

SPECIES POTENTIAI

OF EGILS FOTEINTIAL		
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Puget Sound and Pacific RF
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	1.50

0.59

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.88
Rise (m)	0.88
Length (m)	9.43
Slope (%)	3.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.21
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Plunge pool obscured by additional downstream



Mason Conservation District

Site ID:

PI:

127S0349

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	Monte-Elma Rd
County:	Grays Harbor
1/4 Section:	NW
Section:	2
Township:	17N

07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 46.99122 -123.53275 Longitude: WA state plane south (NAD 27, feet) 1,243,652 619,181 North:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0353
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 30 meters east of the Monte-Elma Rd/Fairbairn Rd junction.

Site	Comments:

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:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.50	
Span/Toe Ratio	0.63	

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	CPC
Span (m)	0.94
Rise (m)	0.87
Length (m)	12.85
Slope (%)	0.65
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.25
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Level B not applicable due to additional culvert immediately downstream.



Mason Conservation District

Site ID:

PI:

127S0350

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION **GENERAL LOCATION**

Fairbairn Rd Road Name: Grays Harbor County: NE 1/4 Section: Section: 3 17N Township: 07W

unnamed

Metcalf SI 22.0348

22.0353

Mapped

POSITIONAL DATA

WGS 84, decimal degrees

46.99126 Latitude: -123.53300 Longitude: WA state plane south (NAD 27, feet) 1,243,591 619,199 North:

Downstream Check Physical Survey

Location / Directions:

Water crossing is located immediately north of the Monte-Elma Rd/Fairbairn Rd intersection.

Site	Comments:

SPECIES POTENTIAL

LOIL	.51 OILNIIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

Range:

Stream:

WRIA:

Fish Use:

FUP Criteria:

WATERBODY

Tributary To:

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

1.50

1.00

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.75
Rise (m)	0.64
Length (m)	9.51
Slope (%)	-0.10
Bed Material	No
Outfall Drop (m)	0.05
WDIC (m)	0.10
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Pipe 1.2 is on right bank. Level B not applicable due to additional culvert immediately



Site ID: PI: 127S0350

Fish Use:

Barrier:

Yes Unk

Mason Conservation District

CULVERT DESCRIPTION

2.2 Sequencer: RND Shape CST Material 0.75 Span (m) Rise (m) 0.74 9.52 Length (m) -0.80 Slope (%) No Bed Material Outfall Drop (m) 0.13 WDIC (m) 0.10 Apron No 1.00 Fill Depth (m) Tidegate No

Culvert Comments:

Pipe 2.2 is on left bank.



Mason Conservation District

Site ID:

PI:

127S0351

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Fairbairn Rd
County:	Grays Harbor
1/4 Section:	SE
Section:	34
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	46.99536
Longitude:	-123.53297
WA state plane south (NAD 27, feet)	
East:	1,243,655

620,694

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0353
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

North:

Water crossing is approximately 0.30 miles north of the Fairbairn Rd/Monte-Elma Rd intersection.

Site Comments:

SPECIES POTENTIA

FECILS FO	ILIVIIAL	
Soci	кеуе	✓ Sea Run Cutthroa
Pink		✓ Resident Trout
Chu	m	Dolly/Bull Trout
Chin	ook	Brook Trout
✓ Coh	o	Brown Trout
Stee	lhead	

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m) 0.89		
Span/Toe Ratio 0.68		

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
PCC
0.92
0.92
9.98
1.90
No
0.00
0.18
No
0.50
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0352

Fish Use:

Yes

Barrier: Yes

SITE	DE	SCR	IDT	

GENERAL LOCATION		
Road Name:	Private Dr	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	3	
Township:	17N	

07W

POSITIONAL DATA

WGS 84, decimal degrees

O .		
46.99591		
-123.53271		
WA state plane south (NAD 27, feet)		
1,243,728		
620,889		

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 30 meters east of Fairbairn Rd on private drive for residence at 54 Fairbairn Rd.

Site Comments:

SPECIES POTENTIAL

" LCIL	3 I OILMIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
✓	Coho	Brown Trout
	Steelhead	

OWNER

Name:	R Broten
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	velocity

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.98	

0.93

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.91
Rise (m)	0.91
Length (m)	6.91
Slope (%)	0.50
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.40
Apron	DS
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Level B completed on 1/25/05.



Mason Conservation District

Site ID:

PI:

127S0353

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Private Dr Road Name: Grays Harbor County: ΝE 1/4 Section: Section: 3

17N Township: 07W

WATERBODY

Range:

Stream: unnamed Tributary To: Metcalf SI 22.0348 WRIA: 22.0353 Fish Use: FUP Criteria: Mapped

OWNER

livera and Espinoza Pachec Name: Private Type:

POSITIONAL DATA

WGS 84, decimal degrees

46.99271 Latitude: -123.53307 Longitude: WA state plane south (NAD 27, feet) 1,243,593 619,729 North:

Location / Directions:

Water crossing is approximately 200 meters north of Monte-Elma Rd/Fairbairn Rd junction, beneath private drive for residence at 25 Fairbairn Rd.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	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
✓ Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/26/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION		
1.35		

1.13

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.53
Rise (m)	0.94
Length (m)	9.38
Slope (%)	0.50
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.16
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffle at downstream end of culvert, no plunge pool or outfall drop.



Mason Conservation District

Site ID:

PI:

127S0354

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Brady Loop Rd County: Grays Harbor 1/4 Section: NE Section: 2

17N

07W

POSITIONAL DATA
WGS 84, decimal degrees

 Latitude:
 46.99256

 Longitude:
 -123.51570

 WA state plane south (NAD 27, feet)

East: 1,247,923
North: 619,508

EVALUATION LEVEL COMPLETED Report Logged

Report Logged
Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

WATERBODY

Township:

Range:

Stream:	unnamed
Tributary To:	unnamed 22.0353
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.15 miles southwest of Highway 12/Brady Loop Rd junction.

Site Comments:

SPECIES POTENTIAL

LOIL	OICILITIAL	
	Sockeye	✓ Sea Run Cutthroat
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
V	Coho	Brown Trout

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/27/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

1.71

1.07

POTENTIAL HABITAT GAIN

Steelhead

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.2
BOX
CPC
1.83
1.22
14.05
-0.10
Yes
0.00
0.13
No
1.00
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

No plunge pool or outfall drop, riffle at downstream end of culvert. Pipe 1.2 is on right bank.



Mason Conservation District

Site ID:

127S0354

Fish Use:

Yes No

PI:

Barrier:

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	BOX
Material	CPC
Span (m)	1.81
Rise (m)	1.12
Length (m)	13.99
Slope (%)	0.05
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank.



Mason Conservation District

Site ID:

127S0355

Fish Use: Barrier: Yes Unk

PI:

SITE DESCRIPTION

GENERAL LOCATION POSITIONAL DATA

07W

Grays Harbor

County

 Road Name:
 Foster Rd

 County:
 Grays Harbor

 1/4 Section:
 SE

 Section:
 2

 Township:
 17N

WGS 84, decimal degrees

 Latitude:
 46.98453

 Longitude:
 -123.52235

 WA state plane south (NAD 27, feet)

East: 1,246,152

North: 616,645

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

WATERBODY

Range:

OWNER

Name:

Type:

 Stream:
 unnamed

 Tributary To:
 unnamed 22.0353

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

Location / Directions:

Water crossing is approximately 0.35 miles south of the Foster Rd/Brady Loop Rd intersection.

Site Comments:

SPECIES POTENTIAL

Sockeye	✓ Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout

Brown Trout

Coho
Steelhead

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	

2.70

0.46

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	1.24
Rise (m)	1.24
Length (m)	10.89
Slope (%)	-0.40
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.59
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Level B not applicable due to backwater slough and lack of downstream control.



Mason Conservation District

Site ID:

PI:

127S0356

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:	Monte-Brady Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	2
Township:	17N
Range:	07W

POSITIONAL DATA

Location / Directions:

junction.

Site Comments:

WGS 84, decimal de	egrees
Latitude:	46.98715
Longitude:	-123.53148

WA state plane south (NAD 27, feet)

1,243,911 617,685 North:

Water crossing is approximately 0.45 miles

southwest of Foster Rd/Monte-Brady Rd

s

PECIES POTENTIAL			
	Sockeye	✓ Sea Run Cutthroa	
	Pink	Resident Trout	
	Chum	Dolly/Bull Trout	
	Chinook	Brook Trout	
✓	Coho	Brown Trout	
	Steelhead		

WATERBODY

Stream: unnamed Tributary To: Metcalf SI 22.0348 WRIA: 22.0353 Fish Use: FUP Criteria: Mapped

OWNER

Name:	Grays Harbor	
Type:	County	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/27/2004	
Field Crew:	Haque/Lutz	
Barrier	Yes	
Passability (%)	67	
Method	LA	
Repair Status	UD	
Problem	slope	

PLUNGE POOL DESCRIPTION

Length (m)	5.24	
OHW (m)	4.08	
Max Depth (m)	0.48	
CHANNEL DESCRIPTION		

Toe Width (m)	1.45	
Span/Toe Ratio	0.52	

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1	
Shape	RND	
Material	PCC	
Span (m)	0.76	
Rise (m)	0.76	
Length (m)	13.32	
Slope (%)	1.90	
Bed Material	No	
Outfall Drop (m)	0.00	
WDIC (m)	0.15	
Apron	No	
Fill Depth (m)	0.50	
Tidegate	No	

Culvert Comments:

No outfall drop, riffle at downstream end.



Mason Conservation District

Site ID:

PI:

127S0357

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

WATERBODY

Tributary To:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

Road Name:	Monte-Brady Rd	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	3	
Township:	17N	
Range:	07W	

unnamed

unnamed 22.0349

22.0000

Mapped

Grays Harbor

County

POSITIONAL DATA

Longitude:

WGS 84, decimal degrees
Latitude:

46.98460 -123.54161

WA state plane south (NAD 27, feet)

East: 1,241,349
North: 616,855

Location / Directions:

Water crossing is approximately 0.10 miles east of the Monte-Brady Rd/W Brady Loop Rd.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report	Logged
--	--------	--------

✓	Field Review
	Threshold Determination

- Expanded Threshold Determination
- Downstream Check
- Physical Survey

SPECIES POTENTIAL

	Sockeye	
7	Pink	

~	Resident	Trout

✓ Sea Run Cutthroat

Ш	Chum
	Chinook

Dolly/Bull Trout
Brook Trout

Chinook
Coho

Coho	
Steelhead	

	Brown	Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/27/2004	
Field Crew:	Haque/Lutz	
Barrier	Yes	
Passability (%)	67	
Method	LA	
Repair Status	UD	
Problem	slope	

PLUNGE POOL DESCRIPTION

Length (m)	6.10
OHW (m)	7.05
Max Depth (m)	1.13

CHANNEL DESCRIPTION

Toe Width (m)	2.15	
Span/Toe Ratio	0.62	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.2
RND
PCC
0.77
0.77
15.41
4.60
No
0.00
0.63
No
1.00
No

Culvert Comments:

Upstream end of culvert has round corrugated steel sleeve attached. Pipe 1.2 is on right bank.



Mason Conservation District

Site ID:

127S0357

Fish Use:

Yes

PI:

Barrier: Yes

CULVERT DESCRIPTION

2.2
RND
CST
0.56
0.75
15.32
0.70
No
0.00
0.54
No
1.00
No

Culvert Comments:

Pipe 2.2 is on left bank.



Mason Conservation District

Site ID:

PI:

127S0358

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION Road Name: W Brady Loop Rd County: Grays Harbor 1/4 Section: SE Section: 3 Township: 17N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.98317	
Longitude:	-123.54348	
WA state plane south (NAD 27, feet)		
East:	1,240,863	
North:	616,351	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0349
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.10 miles south of the W Brady Loop Rd/Monte-Brady Rd intersection.

Site Comments:	

SPECIES POTENTIAL

. 20120 1 0 1 2 1 1 1 1 1 1			
Sockeye	Sea Run Cutthroa		
Pink	Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
✓ Coho	Brown Trout		
Steelhead			

OWNER

Name:	Grays Harbor	
Type:	County	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/27/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.54	
Span/Toe Ratio	0.60	

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	12.18
Slope (%)	-0.70
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.30
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No outfall or plunge pool taken due to backwatering. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID:

PI:

127S0359

EVALUATION LEVEL COMPLETED Report Logged

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Field Review

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION W Brady Loop Rd Road Name: Grays Harbor County: NE 1/4 Section: Section: 10 17N Township: 07W Range:

POSITIONAL DATA

North:

intersection.

Site Comments:

WGS 84, decimal degrees

Location / Directions:

46.98065 Latitude: -123.54333 Longitude: WA state plane south (NAD 27, feet) 1,240,864

Water crossing is approximately 0.30 miles south of the W Brady Loop Rd/Monte-Brady Rd

615,433

s

PECIES POTENTIAL				
	Sockeye	~	Sea Run Cutthroat	
	Pink	~	Resident Trout	
	Chum		Dolly/Bull Trout	
	Chinook		Brook Trout	
✓	Coho		Brown Trout	
	Staalhaad			

WATERBODY

Stream:	unnamed
ributary To:	Metcalf SI 22.0348
VRIA:	22.0353
ish Use:	Yes
FUP Criteria:	Mapped

OWNER

Name:	Grays Harbor
Гуре:	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

PTION
PTION

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
CST
2.26
2.53
8.29
1.50
Yes
0.00
0.48
No
0.00
No

Culvert Comments:

No toe or plunge pool measurements due to backwatered slough. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID:

PI:

127S0360

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: Simmons Rd Grays Harbor County: SW 1/4 Section: Section: 4 17N Township: 07W Range:

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

46.98219 Latitude: -123.56755 Longitude: WA state plane south (NAD 27, feet)

1,234,846 616,228 North:

Water crossing is approximately 0.15 miles

west of Simmons Rd/Schafer Boom Rd junction.

SP

ECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout

Stream:

WATERBODY

unnamed Tributary To: unnamed 22.0349 WRIA: 22.0000 Fish Use: Yes FUP Criteria: Physical

Site Comments:

OWNER

Name:	Grays Harbor
Туре:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/27/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	4.46
OHW (m)	2.55
Max Depth (m)	0.46

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Steelhead

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.97
Rise (m)	0.85
Length (m)	21.12
Slope (%)	-1.30
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.56
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert is beveled. Unable to obtain toe width due to wetland influence. Concrete fish weir upstream of culvert.



Mason Conservation District

Site ID:

PI:

127S0361

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Schafer Boom Rd
County:	Grays Harbor
1/4 Section:	SW
Section:	4
Township:	17N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	: 46.98121	
Longitude:	-123.56489	
WA state plane south (NAD 27, feet)		
East:	1,235,496	
North:	615,844	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0349
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Site Comments:

Water crossing is approximately 0.10 miles south of Schafer Boom Rd/Simmons Rd junction.

Poorly defined channel downstream of culvert.

SPECIES POTENTIAL

FLUIL	SPOILNIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
✓	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Sally Thiessen
Гуре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/27/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LB
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	17.50	
OHW (m)	11.15	
Max Depth (m)	1.20	
CHANNEL DESCRIPTION		

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.03
Rise (m)	1.87
Length (m)	11.01
Slope (%)	0.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.26
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Toe Width (m)	2.63
Span/Toe Ratio	0.77

Culvert Comments:

No outfall drop due to riffle at downstream end of culvert.



Mason Conservation District

Site ID:

PI:

127S0362

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name: Schafer Boom Rd County: Grays Harbor 1/4 Section: NE

 Section:
 9

 Township:
 17N

 Range:
 07W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Metcalf SI 22.0348

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Mapped

OWNER

Name: Grays Harbor
Type: County

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.98010

 Longitude:
 -123.56473

 WA state plane south (NAD 27, feet)

 East:
 1,235,520

615,436

Location / Directions:

North:

Water crossing is approximately 0.15 miles south of Schafer Boom Rd/Simmons Rd intersection.

Site Comments:

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:	4/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	19.71
OHW (m)	6.95
Max Depth (m)	1.15

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.00
Rise (m)	1.98
Length (m)	9.69
Slope (%)	1.90
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.36
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Beaver activity in stream.



Mason Conservation District

Site ID:

PI:

127S0363

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	Private Dr	
County:	Grays Harbor	
1/4 Section:	NE	
Section:	9	
Township:	17N	

07W

POSITIONAL DATA

WGS 84, decimal degrees

•		
46.97635		
-123.56130		
WA state plane south (NAD 27, feet)		
1,236,321		
614,037		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0349
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.4 miles south of the Schafer Boom Rd/Simmons Rd intersection, travel east on private road for approximately 0.2 miles to culvert.

SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Greenhead Farms LLC
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/28/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	13.40
OHW (m)	7.10
Max Depth (m)	0.86
CHANNEL DESCRIPTION	

2.52

1.03

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	2.45
Rise (m)	2.62
Length (m)	10.69
Slope (%)	1.25
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.36
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Plunge pool influenced by woody debris.



Mason Conservation District

Site ID: PI:

127S0364

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 Ave W
County:	Grays Harbor
1/4 Section:	NW
Section:	7
Township:	17N
Range:	07W

POSITIONAL DATA

Location / Directions:

intersection.

Site Comments: OHW = 0.90 meters.

WGS 84, decimal degrees	
Latitude:	46.97692
Longitude:	-123.61268
MA state plane south (NAD 27 feet)	

East: 1,223,515 614,746 North:

Water crossing is approximately 25 meters east of the Wynoochee Ave W/South 10th St

s

PECIE	S POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
✓	Coho	Brown Trout
	Staalhaad	

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Review Date:

Passability (%) Method

Repair Status Problem

Field Crew:

Barrier

Name:	Montesano
Туре:	City

4/28/2004 Haque/Lutz

> Yes 67

LA UD

slope

Length (m)	2.90
OHW (m)	1.70
Max Depth (m)	0.40
CHANNEL DESCRIPTION	

PLUNGE POOL DESCRIPTION

Toe Width (m)	0.65
Span/Toe Ratio	0.95

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

LEVEL A ANALYSIS

SUMMARY INFORMATION

1.1
RND
PVC
0.62
0.62
15.88
2.02
No
0.00
0.07
No
1.50
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0365

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION Road Name: Private Dr County: Grays Harbor 1/4 Section: NW Section: 7 Township: 17N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.97745	
Longitude:	-123.61225	
WA state plane south (NAD 27, feet)		
East:	1,223,628	
North:	614,935	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 50 meters southeast of 10th St/Pioneer Ave intersection.

oximately 50 meters Sockeye

SPECIES POTE	NTIAL	
Socke	ye 🗸	Sea Run Cutthroa
Pink	✓	Resident Trout
Chum		Dolly/Bull Trout
Chinoc	ok	Brook Trout
✓ Coho		Brown Trout
Steelh	ead	

OWNER

Name:	Richard L Embry
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/28/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.50	
Span/Toe Ratio	1.26	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.63
Rise (m)	0.49
Length (m)	24.55
Slope (%)	0.40
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.28
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No outfall drop or plunge pool due to backwatered stream.



Mason Conservation District

Site ID:

PI:

127S0366

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION	
Road Name:	CC-line
County:	Grays Harbor
1/4 Section:	SW
Section:	34
Township:	18N

07W

POSITIONAL DATA

WGS 84, decimal de	egrees	
Latitude:	46.99650	
Longitude:	-123.54494	
WA state plane south (NAD 27, feet)		
Fact:	1 240 687	

621,225

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

site (4205, #3792, 0.284).

North:

Water crossing is approximately 0.25 miles north of the CC-Line/Camp Creek Rd junction.

Tributary goes in and out of subsurface flow 15

meters downstream of site. Survey stake at

SPECIES POTENTIAL

PECIES POTENTIA	\L
Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
✓ Coho	Brown Trout
Steelhead	

OWNER

Name:	ayonier Timberlands Oprtg (
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LB
Repair Status	UD
Problem	depth

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.71	
Span/Toe Ratio	1.04	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
CST
0.74
0.74
18.82
0.73
No
0.00
0.08
No
2.00
No

Culvert Comments:

No plunge pool, riffles at downstream end of culvert.



Mason Conservation District

Site ID:

PI:

127S0367

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION Road Name: CC-line County: Grays Harbor 1/4 Section: SW Section: 34 Township: 18N

07W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 46.99716

Longitude: -123.54633

WA state plane south (NAD 27, feet)

East: 1,240,349

North: 621,477

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Metcalf SI 22.0348
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.25 miles north of the CC-Line/Camp Creek Rd junction.

Survey stake at site (4025, #3793, 0.372)

SPECIES POTENTIAL

PECIE	3 PUTENTIAL	
	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:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

0.70

0.86

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	13.33
Slope (%)	0.95
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

No plunge pool as stream riffles at downstream end of culvert.



Mason Conservation District

Site ID:

PI:

628,015

127S0368

Fish Use: Barrier:

se: Yes

No

SITE DESCRIPTION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

GENERAL LOCATION	
Road Name:	CC-1000
County:	Grays Harbor
1/4 Section:	SW
Section:	27
Township:	18N
Range:	07W

Camp Cr

Unnamed 22.0349

22.0351

Mapped

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal de	egrees
Latitude:	47.01499
Longitude:	-123.55046

WA state plane south (NAD 27, feet)
East: 1,239,570

Location / Directions:

North:

Water crossing is approximately 0.60 miles west of the CC-Line/CC-1000 junction.

Site Comments:

Beaver ponds upstream and downstream, site backwatered.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check
Physical Survey

__

ECIE	5 POTENTIAL	
	Sockeye	✓ Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
\checkmark	Coho	Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.25
Span/Toe Ratio	1.09

POTENTIAL HABITAT GAIN

Steelhead

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	SQSH
Material	CST
Span (m)	1.37
Rise (m)	0.96
Length (m)	11.84
Slope (%)	2.10
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.87
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Culvert is beveled on the upstream end. Toe width and OHW taken approximately 60 meters upstream of site due to wetland influence.



Mason Conservation District

Site ID:

PI:

127S0369

Fish Use:

Yes Unk

Barrier:

EVALUATION LEVEL COMPLETED

Threshold Determination

Downstream Check

Physical Survey

Expanded Threshold Determination

Report Logged

Field Review

SITE DESCRIPTION

GENERAL LOCATION CC-1000 Road Name: Grays Harbor County: SW 1/4 Section: Section: 27 18N Township: 07W

POSITIONAL DATA

WGS 84, decimal degrees

Location / Directions:

Site Comments:

47.01501 Latitude: -123.55087 Longitude: WA state plane south (NAD 27, feet) 1,239,469 628,025 North:

Water crossing is approximately 0.60 miles west of the CC-1000/CC-Line junction.

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:	Camp Cr 22.0351		
WRIA:	22.0000		
Fish Use:	Yes		
FUP Criteria:	Mapped		

OWNER

Name:	en Diamond Resource Comp
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL 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)	0.53
Rise (m)	0.61
Length (m)	24.78
Slope (%)	2.50
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Beaver pond downstream has backwatered site, no plunge pool or toe measurements available. Not able to complete level A.



Mason Conservation District

Site ID: 127S0370 Fish Use: No PI: Barrier:

Spawning (sq m)

Rearing (sq m)

SITE DESCRI	PTION						
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	Carter Express	WGS 84, decimal de	WGS 84, decimal degrees		Report Logge	ed	
County:	Grays Harbor	Latitude:	47.02143	✓	Field Review		
1/4 Section:	NE	Longitude:	-123.55647		Threshold De	etermination	
Section:	28	WA state plane south	n (NAD 27, feet)		Expanded Th	reshold Determination	
Township:	18N	East:	1,238,164		Downstream	Check	
Range:	07W	North:	630,421		Physical Surv	/ey	
WATERBODY		Location / Direction	s:	SPECII	ES POTENTIAI		
Stream:	unnamed	Water crossing is approximately 0.40 miles north of the Carter Express/CC-1000 junction.		Sockeye		Sea Run Cutthroat	
Tributary To:	Unnamed 22.0349				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 = 0.25 meters.			Coho Steelhead	Brown Frout	
Name:	Montesano						
Type:	City						
LEVEL A ANA	NI VSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITA	T GAIN	
Review Date:	6/10/2004	Length (m)		Survey	Type:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		May Denth (m)		Snawni	na (sa m)		

CULVERT DESCRIPTION

Passability (%)

Repair Status

Method

Problem

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

CHANNEL DESCRIPTION

Max Depth (m)

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:	127S0371	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

OITE DEGCK	11014						
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	Carter Express	WGS 84, decimal degrees		Report Logged			
County:	Grays Harbor	Latitude:	47.02597	✓	Field Review		
1/4 Section:	SE	Longitude:	-123.55600		Threshold Determination		
Section:	21	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination		
Township:	18N	East:	1,238,345		Downstream Check		
Range:	07W	North:	632,071		Physical Survey		
WATERBODY		Location / Direction	s:	encor	ES POTENTIAL		
Stream:	unnamed	Water crossing is an	proximately 0.75 miles	SPECIE	Sockeye Sea Run Cutthroat		
Tributary To:	Metcalf SI 22.0348		xpress/CC-1000 junction.		· <u>-</u>		
WRIA:	22.0349						
Fish Use:	No						
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout		
OWNER		OHW = 0.5 meters.			Coho Brown Trout Steelhead		
Name:	Montesano	1			0.000000		
Туре:	City						
LEVEL A AN	ALYSIS						
SUMMARY INFORMATION		PLUNGE POOL DES	SCRIPTION	POTEN	ITIAL HABITAT GAIN		
Review Date:	6/10/2004	Length (m)		Survey	Type:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawnii	ng (sq m)		
Passability (%)] ' ' '	RTION	Rearing			
Method		CHANNEL DESCRI	FIION	Realing	J (34 III)		
Repair Status		Toe Width (m)					
Problem		Span/Toe Ratio					

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

PVC chute attached to downstream end of



Mason Conservation District

Site ID:

PI:

127S0372

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	D-line
County:	Grays Harbor
1/4 Section:	NE
Section:	29
Township:	18N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.01821	
Longitude:	-123.57659	
WA state plane south (NAD 27, feet)		
East:	1,233,103	
North:	629,442	

EVALUATION LEVEL COMPLETED

n

WATERBODY

Stream:	EF Sylvia Cr
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0264
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

outlet of Lake Sylvia.

Water crossing is approximately 0.3 miles north of the C-line/D-line junction.

Natural point barrier for anadromous species at

SPECIES POTENTIAL

JI LOIL	.SI OILNIIAL	
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

OWNER

Name:	Montesano
Туре:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	4.49	
OHW (m)	5.23	
Max Depth (m)	0.90	
wax Depth (III)	0.90	
CHANNEL DESCRIPTION		
Toe Width (m)	3.01	

0.70

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1	
RND	
CST	
2.11	
2.10	
43.55	
2.40	
No	
0.53	
0.09	
No	
9.00	
No	

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0373

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:	D-line
County:	Grays Harbor
1/4 Section:	SE
Section:	29
Township:	18N
Range:	07W

POSITIONAL DATA

Location / Directions:

Site Comments:

outlet of Lake Sylvia.

North:

WGS 84, decimal degrees	
Latitude:	47.01578
Longitude:	-123.57882
WA state plane south (NAD 27, feet)	
East:	1,232,513

Water crossing is approximately 0.10 miles

Natural point barrier for anadromous species at

north of the C-line/D-line junction.

628,578

SPECIES POTENTIAL			
Sockeye	Sea Run Cutthroat		
Pink	✓ Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
Coho	Brown Trout		
Steelhead			

WATERBODY

Stream:	unnamed
Tributary To:	EF Sylvia Cr 22.0264
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Montesano
Туре:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.62	

1.44

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.89
Rise (m)	0.91
Length (m)	23.94
Slope (%)	1.78
Bed Material	No
Outfall Drop (m)	3.30
WDIC (m)	0.03
Apron	No
Fill Depth (m)	5.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Outfall drop onto cement blocks, no plunge pool.



Mason Conservation District

Site ID: **127S0374**

PI:

Fish Use:

No

Barrier:

SITE	DESCRIPTION	ON

GENERAL LOCATION		
Road Name:	D-line	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	29	
Township:	18N	
Range:	07W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.01485	
Longitude:	-123.57946	
WA state plane south (NAD 27, feet)		
East:	1,232,340	
North:	628,244	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	EF Sylvia Cr 22.0264
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 80 meters north of the C-line/D-line junction.

OHW=0.55 meters. Subsurface flows

downstream of plunge pool.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Montesano
Type:	City

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.60	
OHW (m)	0.60	
Max Depth (m)	0.25	
CHANNEL DESCRIPTION		

0.50

1.00

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

OOLVERT DECORM TION			
Sequencer:	1.1		
Shape	RND		
Material	CST		
Span (m)	0.38		
Rise (m)	0.38		
Length (m)			
Slope (%)			
Bed Material	No		
Outfall Drop (m)			
WDIC (m)	0.01		
Apron	No		
Fill Depth (m)	2.50		
Tidegate	No		

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID: 127\$0375 Fish Use: No PI: Barrier:

SITE DESCRIPTION

OITE DEGCK						
GENERAL LOCATION		POSITIONAL DATA	POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	D-line	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.01419	✓	Field Review	
1/4 Section:	SE	Longitude:	-123.57983		Threshold Determination	
Section:	29	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	18N	East:	1,232,239		Downstream Check	
Range:	07W	North:	628,007		Physical Survey	
WATERBODY		Location / Direction	ns:	SDECI	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 30 meters	SPECIE	Sockeye Sea Run Cutthroat	
Tributary To:	RF Sylvia Cr 22.0264	south of the C-line/D			Pink Resident Trout	
WRIA:	22.0000					
Fish Use:	No				,	
FUP Criteria:	Physical	Site Comments:				
OWNER		OHW=0.5 meters. S downstream of culve			Coho Brown Trout Steelhead	
Name:	Montesano					
Type:	City					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN	
Review Date:	6/10/2004	Length (m)		Survey	Type:	
Field Crew:	Haque/Lutz	OHW (m)	OHW (m)		(m):	
Barrier		Max Depth (m)	` '		ng (sq m)	
Passability (%)		CHANNEL DESCRI	DTION			
Method		CHANNEL DESCRI	FIION	Rearing (sq m)		

CULVERT DESCRIPTION

Repair Status

Problem

1.1
RND
CAL
0.91
0.92
0.03
No
1.50
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Plastic sleeve attached at DS end of culvert.

0.35

2.60



Mason Conservation District

Site ID: 127S0376 Fish Use: No PI: Barrier:

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	D-line	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	47.01364	✓	Field Review	
1/4 Section:	SE	Longitude:	-123.58054		Threshold Determination	
Section:	29	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	18N	East:	1,232,054		Downstream Check	
Range:	07W	North:	627,816		Physical Survey	
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 100 meters	3FECIE	Sockeye Sea Run Cutthroat	
Tributary To:	EF Sylvia Cr 22.0264	south of the C-line/D			Pink Resident Trout	
WRIA:	22.0000				Chum Dolly/Bull Trout	
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:				
OWNER		OHW = 0.3 meters.			Coho Brown Trout Steelhead	
Name:	Montesano					
Type:	City					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	6/10/2004	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		
Method			_	7	(04 111)	
Popair Status		Toe Width (m)	0.25			

CULVERT DESCRIPTION

Repair Status

Problem

•	1.1
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.41
Rise (m)	0.41
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Plastic sleeve attached at DS end of culvert.

1.64



Mason Conservation District

Site ID: 127S0377 Fish Use: No PI: Barrier:

SITE DESCRIPTION **POSITIONAL DATA GENERAL LOCATION**

D-line WGS 84, decimal degrees Road Name: Grays Harbor Latitude: 47.01244 County: -123.58131 Longitude: 1/4 Section: 29 Section: 18N Township: 07W Range:

WA state plane south (NAD 27, feet)		
East:	1,231,844	
North:	627,384	
Location / Directions:		

WATERBODY	
Stream:	unnamed
Tributary To:	EF Sylvia Cr 22.0264
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical
OWNER	

ed	
22.0264	
00	
al	

O TOTAL CONTRACT OF THE PARTY O	
Name:	Montesano
Type:	City

Water crossing is approximately 0.15 miles south of the C-line/D-line junction.

Site Comments:

OHW = 0.55 meters. Gradient barrier at outfall.

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/10/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL 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)	0.87
Rise (m)	0.93
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID: 127S0378

Rearing (sq m)

PI:

Fish Use:

No

Barrier:

			1OI	

GENERAL LOCA	TION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	D-line	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude: 47.01187		✓	Field Review	
1/4 Section:	SE	Longitude:	-123.58177		Threshold Determination	
Section:	29	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	18N	East:	1,231,722		Downstream Check	
Range:	07W	North: 627,181			Physical Survey	
WATERBODY		Location / Direction	is:	SPECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 0.20 miles		Sockeye Sea Run Cutthroat	
Tributary To:	EF Sylvia Cr 22.0264	south of the C-line/D	-line junction.		Pink Resident Trout	
WRIA:	22.0000				Chum Dolly/Bull Trout	
Fish Use:	No	011 0			Chinook Brook Trout	
FUP Criteria:	Physical	Site Comments:				
OWNER		OHW = 0.40 meters.			Coho Brown Trout Steelhead	
Name:	Montesano					
Type:	City					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN	
Review Date:	6/10/2004	Length (m)		Survey	Type:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRIPTION			r (sq m)	

CULVERT DESCRIPTION

Method

Problem

Repair Status

1.1
RND
CST
0.90
0.91
No
0.03
No
1.00
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Mason Conservation District

Site ID: 127S0379 Fish Use: No PI: Barrier:

Spawning (sq m)

Rearing (sq m)

SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** D-line Report Logged WGS 84, decimal degrees Road Name: Grays Harbor 47.01156 Field Review County: Latitude: -123.58183 Threshold Determination Longitude: 1/4 Section: SE **Expanded Threshold Determination** Section: 29 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,231,702 07W Physical Survey Range: 627,068 North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 0.25 miles Sockeye Sea Run Cutthroat Tributary To: EF Sylvia Cr 22.0264 south of the C-line/D-line 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 = 0.4 meters. OWNER Steelhead Montesano Name: City Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 6/10/2004 Length (m) Survey Type: Haque/Lutz Field Crew: Length (m): OHW (m)

CULVERT DESCRIPTION

Barrier

Method

Problem

Passability (%)

Repair Status

1.1
RND
CST
0.40
0.41
No
0.05
No
0.30
No

Culvert Comments:

Max Depth (m)

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Mason Conservation District

Site ID: 127S0380

Rearing (sq m)

PI:

Fish Use: No

Barrier:

SITE	DESCRIPTION

GENERAL LOCA	ATION	POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	Sylvia A-line	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	46.99168	✓	Field Review
1/4 Section:	NW	Longitude:	-123.62630		Threshold Determination
Section:	1	WA state plane sout	h (NAD 27, feet)		Expanded Threshold Determination
Township:	17N	East:	1,220,331		Downstream Check
Range:	W80	North:	620,262		Physical Survey
WATERBODY		Location / Direction	is:	epecii	ES DOTENTIAL
Stream:	unnamed	Water crossing is an	proximately 100 meters	SPECIE	ES POTENTIAL
Tributary To:	Sylvia Cr 22.0261	north of the A-line/A-			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		OHW = 0.3 meters.		Coho Brown Trout Steelhead	
Name:	Weyerhaeuser Company				Steelileau
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT GAIN
Review Date:	6/17/2004	Length (m)		Survey	Type:
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawni	ng (sq m)
Passability (%)		CHANNEL DECOR	DTION		r (sq m)

CULVERT DESCRIPTION

Method

Problem

Repair Status

1.1
RND
CST
0.61
0.61
No
0.02
No
2.50
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION

Angled extension attached to downstream end.

0.25

2.40



Mason Conservation District

Site ID: 127S0381 Fish Use: No PI: Barrier:

 •••••	· acioii	-:-::

SITE	DESCRIPTION	V

GENERAL LOCATION

 Road Name:
 Sylvia A-line

 County:
 Grays Harbor

 1/4 Section:
 NW

 Section:
 1

 Township:
 17N

 Range:
 08W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Sylvia Cr 22.0261

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

OWNER

Name: Weyerhaeuser Company
Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 46.99345

 Longitude:
 -123.62567

 WA state plane south (NAD 27, feet)

 East:
 1,220,512

 North:
 620,899

Location / Directions:

Water crossing is approximately 0.20 miles north of the A-line/A-500 junction.

Site Comments:

OHW = 0.55 meters.

EVALUATION LEVEL COMPLETED

\square	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
CHANNEL DESCR	RIPTION	
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)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.65
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID: 127S0382 Fish Use: No PI: Barrier:

CITE	DE	IDT	

SITE DESCR	RIPTION				
GENERAL LOCATION		POSITIONAL DATA		EVALU	ATION LEVEL COMPLETED
Road Name:	Sylvia A-line	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	46.99394	✓	Field Review
1/4 Section:	NW	Longitude:	-123.62548		Threshold Determination
Section:	1	WA state plane south (NAD 27, feet)			Expanded Threshold Determination
Township:	17N	East:	1,220,568		Downstream Check
Range:	W80	North:	621,077		Physical Survey
WATERBODY		Location / Direction	s:	SDECIE	ES POTENTIAL
Stream:	unnamed	Water crossing is app	proximately 0.25 miles		Sockeye Sea Run Cutthroat
Tributary To:	Sylvia Cr 22.0261	north of the A-line/A-			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 = 0.5 meters.			Steelhead
Name:	Weyerhaeuser Company				
Type:	Private				
LEVEL A AN	ALYSIS				
SUMMARY INFORMATION		PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT GAIN
Review Date:	6/17/2004	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	
Method			11014	rtouring	7 (~4)
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

1.1
RND
PVC
0.46
0.46
No
0.00
No
0.50
No

Culvert Comments:

Plastic sleeve attached to downstream end of



Mason Conservation District

Site ID:

PI:

127S0383

Fish Use:

Use: No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Sylvia A-line
County:	Grays Harbor
1/4 Section:	SW
Section:	1
Township:	17N
Range:	08W

POSITIONAL DATA

WGS 84, decimal degrees		
46.99549		
-123.62494		
WA state plane south (NAD 27, feet)		
1,220,724		
621,634		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:OHW = 0.55 meters.

Water crossing is approximately 0.35 miles north of the A-line/A-500 junction.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.10	
OHW (m)	0.60	
Max Depth (m)	0.15	
CHANNEL DESCRIPTION		

0.55

1.10

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.61
Rise (m)	0.59
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.21
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0384

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	Sylvia A-line
County:	Grays Harbor

SW 1/4 Section: 36 Section: 18N Township: 08W

POSITIONAL DATA

WGS 84, decimal degrees

46.99598 Latitude: -123.62480 Longitude: WA state plane south (NAD 27, feet)

1,220,767 621,811 North:

Report Logged

EVALUATION LEVEL COMPLETED

Field Review Threshold Determination

Expanded Threshold Determination Downstream Check

Physical Survey

WATERBODY

Range:

OWNER

Name:

Type:

Stream: unnamed Tributary To: Sylvia Cr 22.0261 WRIA: 22.0000 Fish Use: FUP Criteria: Mapped

Weyerhaeuser Company

Private

Location / Directions:

Water crossing is approximately 0.40 miles north of the A-line/A-500 junction.

Site Comments:

OHW = 3.30 meters.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout

Brown Trout

Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	Yes
Passability (%)	67
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	7.77
OHW (m)	4.76
Max Depth (m)	0.68

CHANNEL DESCRIPTION

Toe Width (m)	2.30
Span/Toe Ratio	0.82

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
SQSH
CST
1.88
1.35
19.13
1.50
No
0.00
0.09
No
3.00
No

Culvert Comments:

Culvert is beveled downstream.



Mason Conservation District

Site ID:

PI:

127S0385

Fish Use: Barrier:

No

SITE DESCRIPTION **GENERAL LOCATION**

Sylvia A-line Road Name: Grays Harbor County: SW 1/4 Section: Section: 36

18N Township: 08W Range:

WATERBODY

Stream: unnamed Tributary To: Sylvia Cr 22.0261 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

OWNER

Weyerhaeuser Company Name: Private Type:

POSITIONAL DATA

WGS 84, decimal degrees

46.99644 Latitude: -123.62453 Longitude: WA state plane south (NAD 27, feet)

1,220,841 621,978 North:

Location / Directions:

Water crossing is approximately 0.45 miles north of the A-line/A-500 junction.

Site Comments:

OHW = 0.35 meters.

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

	Sockeye	Sea Run Cutthroat
	Pink	Resident Trout
П	Chum	Dolly/Bull Trout

Chum Chinook

Brook Trout Brown Trout

Coho Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.60
OHW (m)	0.80
Max Depth (m)	0.25

CHANNEL DESCRIPTION

Toe Width (m)	0.35
Span/Toe Ratio	1.50

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
PVC
0.47
0.47
No
1.05
0.01
No
0.50
No

Culvert Comments:



Mason Conservation District

Site ID:	127S0386	Fish Use:	No
PI:		Barrier:	

SITE DESCR	RIPTION					
GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	Sylvia Lake Rd - Decom.	WGS 84, decimal de	egrees		Report Logge	ed
County:	Grays Harbor	Latitude:	47.00560	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.58859		Threshold De	termination
Section:	32	WA state plane sout	h (NAD 27, feet)		Expanded Th	reshold Determination
Township:	18N	East:	1,229,933		Downstream	Check
Range:	07W	North:	624,964		Physical Surv	rey
WATERBODY		Location / Direction	ns:	SPECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 1.6 miles north	□ D	Sockeye	Sea Run Cutthroat
Tributary To:	Sylvia Cr 22.0261		d/Nevills Ln junction, on		Pink	Resident Trout
WRIA:	22.0000	boat launch.	ad grade near Lake Sylvia		Chum	Dolly/Bull Trout
Fish Use:	No	0.4.			Chinook	Brook Trout
FUP Criteria:	Physical	Site Comments:			Coho	Brown Trout
OWNER		OHW = 0.55 meters.			Steelhead	Blown Hout
Name:	Washington State Parks					
Type:	State					
LEVEL A AN	IALYSIS					
SUMMARY INFO	DRMATION	PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT	GAIN
Review Date:	6/17/2004	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					, (== /	
Repair Status		Toe Width (m)				
Problem		Span/Toe Ratio				

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	0.25
Rise (m)	0.25
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.15
Apron	No
Fill Depth (m)	0.30
Tidegate	No

Culvert Comments:

Natural point barrier at US end of culvert.



Mason Conservation District

Site ID: 127S0387 Fish Use: No

0.10	.2.000.		
PI:		Barrier:	

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	Sylvia Lake Rd - Decom.	
County:	Grays Harbor	
1/4 Section:	NW	
Section:	32	
Township:	18N	
Range:	07W	

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Cr 22.0261
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	Washington State Parks
Type:	State

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.00414	
Longitude:	-123.58932	
WA state plane south (NAD 27, feet)		
East: 1,229,729		
North:	624,438	

Location / Directions:

Water crossing is approximately 1.5 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch

Site Comments:

OHW = 0.40 meters. Direct tributary to Lake

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	0.40
Span/Toe Ratio	0.50

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
SST
0.20
0.20
No
0.12
No
0.20
No

Culvert Comments:



Mason Conservation District

Site ID: 127S0388 Fish Use: PI:

Barrier:

No

CITE	DES	CDI	DTI	

SITE DESCR	IPTION				
GENERAL LOCA	ATION	POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
Road Name:	Sylvia Lake Rd - Decom.	WGS 84, decimal degrees			Report Logged
County:	Grays Harbor	Latitude:	47.00284	✓	Field Review
1/4 Section:	NW	Longitude:	-123.58970		Threshold Determination
Section:	32	WA state plane south	n (NAD 27, feet)		Expanded Threshold Determination
Township:	18N	East:	1,229,616		Downstream Check
Range:	07W	North:	623,968		Physical Survey
WATERBODY		Location / Direction	s:	SPECIE	S POTENTIAL
Stream:	unnamed	Water crossing is ap	proximately 1.4 miles north		Sockeye Sea Run Cutthroat
Tributary To:	Sylvia Cr 22.0261		/Nevills Ln junction, on		Pink Resident Trout
WRIA:	22.0000	decommissioned road grade near Lake Sylvia boat launch Site Comments:			Chum Dolly/Bull Trout
Fish Use:	No				Chinook Brook Trout
FUP Criteria:	Physical				Coho Brown Trout
OWNER		OHW = 0.3 meters.			Steelhead
Name:	Washington State Parks				
Type:	State				
LEVEL A AN	ALYSIS				
SUMMARY INFO	RMATION	PLUNGE POOL DE	SCRIPTION	POTEN'	TIAL HABITAT GAIN
Review Date:	6/17/2004	Length (m)		Survey 7	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				3	
Repair Status		Toe Width (m)			
Problem		Span/Toe Ratio			

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	SST
Span (m)	0.27
Rise (m)	0.26
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Additional non functioning pipe at site on LB, both pipes feed into DS channel.



Mason Conservation District

Site ID:	127S0389	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** Sylvia Lake Rd - Decom. WGS 84, decimal degrees Report Logged Road Name: Grays Harbor 47.00228 **~** Field Review Latitude: County: Threshold Determination -123.59000 SW 1/4 Section: Longitude: **Expanded Threshold Determination** Section: 32 WA state plane south (NAD 27, feet) Downstream Check 18N Township: 1,229,534 07W Physical Survey 623,768 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 1.45 miles Sockeye Sea Run Cutthroat Sylvia Cr 22.0261 Tributary To: north of the Sylvia Lake Rd/Nevills Ln junction, Pink Resident Trout on decommissioned road grade near Lake WRIA: 22.0000 Sylvia boat launch Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.5 meters. Site is backwatered by **OWNER** Lake Sylvia. Steelhead Washington State Parks Name: State Type: **LEVEL A ANALYSIS SUMMARY INFORMATION** PLUNGE POOL DESCRIPTION **POTENTIAL HABITAT GAIN** Review Date: 6/17/2004 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	SST
Span (m)	0.20
Rise (m)	0.20
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Fine sediment building up at DS end of culvert.



Mason Conservation District

Site ID: 127S0390 Fish Use: PI:

Barrier:

No

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	Sylvia Lake Rd - Decom.	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	32	
Township:	18N	
Range:	07W	

WATERBODY

unnamed
Sylvia Cr 22.0261
22.0000
No
Physical

OWNER

Name:	Washington State Parks
Type:	State

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.00125	
Longitude:	-123.58992	
WA state plane south (NAD 27, feet)		
East:	1,229,538	
North:	623,390	

Location / Directions:

Water crossing is approximately 1.30 miles north of the Sylvia Lake Rd/Nevills Ln junction, on decommissioned road grade near Lake Sylvia boat launch

Site Comments:

OHW < 0.6 meters.

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.75			
OHW (m)	0.50			
Max Depth (m)	0.20			
CHANNEL DESCRIPTION				

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.30
Rise (m)	0.30
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.20
Tidegate	No

Culvert Comments:

DS end of culvert is recessed into road grade. Point barrier immediately US of culvert.



Mason Conservation District

Site ID:	127S0391	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

SITE DESCR	RIPTION					
GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	Lake Sylvia Rd - Decom	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude:	46.99983	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.59037		Threshold Determination	
Section:	32	WA state plane south (N	NAD 27, feet)		Expanded Threshold Determination	
Township:	18N	East:	1,229,407		Downstream Check	
Range:	07W	North:	622,878		Physical Survey	
WATERBODY		Location / Directions:		SPECIE	ES POTENTIAL	
Stream:	unnamed	Water crossing is appro	ximately 1.2 miles north		Sockeye Sea Run Cutthroat	
Tributary To:	Sylvia Cr 22.0261	of the Sylvia Lake Rd/N			Pink Resident Trout	
WRIA:	22.0000	decommissioned road g boat launch	rade near Lake Sylvia		Chum Dolly/Bull Trout	
Fish Use:	No	014 0			Chinook Brook Trout	
FUP Criteria:	Physical	Site Comments:			Coho Brown Trout	
OWNER		OHW = 0.55 meters.		Steelhead		
Name:	Washington State Parks					
Type:	State					
LEVEL A AN	IALYSIS					
SUMMARY INFO	ORMATION	PLUNGE POOL DESC	RIPTION	POTEN	ITIAL HABITAT GAIN	
Review Date:	6/17/2004	Length (m)		Survey	Type:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	
Barrier		Max Depth (m)		Spawni	ng (sq m)	
Passability (%)		CHANNEL DESCRIPTI	ON	Rearing		
Method			UN	Nearing	(((((((((((((((((((
Panair Status		Toe Width (m)				

CULVERT DESCRIPTION

Problem

1.1
RND
CST
0.29
0.29
No
0.80
0.02
No
0.20
No

Culvert Comments:

Span/Toe Ratio

Outfall is into Lake Sylvia.



Mason Conservation District

Site ID: 127

PI:

127S0392

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION Road Name: Sylvia B-line County: Grays Harbor 1/4 Section: SW Section: 32 Township: 18N

07W

EF Sylvia Cr

Sylvia Cr 22.0261

22.0264

Physical

Montesano

City

POSITIONAL DATA

WGS 84, decimal degrees				
Latitude:	47.00741			
Longitude:	-123.58662			

WA state plane south (NAD 27, feet)

East: 1,230,449

North: 625,604

Location / Directions:

Water crossing is approximately 80 meters north of the Sylvia B-Line/ Lake Sylvia Rd junction.

Site Comments:

Natural point barrier for anadromous species located downstream at the outlet of Lake Sylvia.

EVALUATION LEVEL COMPLETED

L	Report Logged
V	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

LOIL	31 OILWIIAL	
	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:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	8.30
OHW (m)	5.82
Max Depth (m)	0.66

CHANNEL DESCRIPTION

Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.2
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.81
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.17
WDIC (m)	0.15
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Pipe1.2 is on right bank. Level A not completed due to lack of anadromous fish use.



Mason Conservation District

Site ID:

PI:

127S0392

Fish Use:

Yes

Barrier: Unk

CULVERT DESCRIPTION

Sequencer:	2.2
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Pipe 2.2 is on left bank. Level A not completed due to lack of anadromous fish use.



Mason Conservation District

Site ID: 127S0393 Fish Use: No PI: Barrier:

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	D-line	WGS 84, decimal degrees			Report Logged	
County:	Grays Harbor	Latitude: 47.00824		✓	Field Review	
1/4 Section:	NE	Longitude:	-123.58338		Threshold Determination	
Section:	32	WA state plane soutl	h (NAD 27, feet)		Expanded Threshold Determination	
Township:	18N	East:	1,231,269		Downstream Check	
Range:	17W	North:	625,873		Physical Survey	
WATERBODY		Location / Direction	Location / Directions:		S POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.5 miles south	SPECIE	Sockeye Sea Run Cutthroat	
Tributary To:	EF Sylvia Cr 22.0264	of the C-line/D-line ju			, <u></u>	
WRIA:	22.0000					
Fish Use:	No					
FUP Criteria:	Physical	Site Comments:			Chinook Brook Trout	
OWNER		OHW = 0.45 meters.			Coho Brown Trout Steelhead	
Name:	Montesano					
Type:	City					
LEVEL A AN	ALYSIS					
SUMMARY INFO	RMATION	PLUNGE POOL DESCRIPTION		POTEN	TIAL HABITAT GAIN	
Review Date:	6/17/2004	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	rtcailig	(04)	
Repair Status		Toe Width (m)				

CULVERT DESCRIPTION

Problem

1.1
RND
CST
0.41
0.41
No
0.02
No
No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0394

Fish Use:

Yes

Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION Road Name: X-line County: Grays Harbor 1/4 Section: NW Section: 16 Township: 18N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude:	47.04305		
Longitude:	-123.56403		
WA state plane south (NAD 27, feet)			
East:	1,236,585		
North:	638,373		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	Sylvia Cr
Tributary To:	Wynoochee R 22.0311
WRIA:	22.0261
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.65 miles west of the X-line/C-line junction.

Natural point barrier for anadromous species

located downstream at the outlet of Lake Sylvia.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Montesano		
Гуре:	City		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/17/2004
Field Crew:	Haque/Lutz
Barrier	Unk
Passability (%)	
Method	ОТ
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)				
OHW (m)				
Max Depth (m)				
CHANNEL DESCRIPTION				
Toe Width (m)	0.71			

1.77

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.26
Rise (m)	1.22
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.04
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Span/Toe Ratio

No plunge pool, stream riffles at outlet. OHW = 0.95 meters. Level A not completed due to lack of anadromous use.



Mason Conservation District

Site ID: 127S0395 Fish Use: No PI: Barrier:

SITE DESCRI	IPTION						
GENERAL LOCA	TION	POSITIONAL DATA		EVALU	JATION LEVEL (COMPLETED	
Road Name:	C-500	WGS 84, decimal degr	WGS 84, decimal degrees		Report Logged		
County:	Grays Harbor	Latitude:	47.02063	✓	Field Review		
1/4 Section:	NW	Longitude:	-123.59050		Threshold Determination		
Section:	29	WA state plane south (NAD 27, feet)		Expanded Threshold Determination		
Township:	18N	East:	1,229,671		Downstream C	Check	
Range:	07W	North:			Physical Survey		
WATERBODY		Location / Directions:		eneci.	ES POTENTIAL		
Stream:	unnamed	Water crossing is appre	oximately 0.15 miles	SPECI		Sea Run Cutthroat	
Tributary To:	Sylvia Cr. 22.0261	north of the C-500/A-25			Sockeye Pink		
WRIA:	22.0000				Chum	Resident Trout	
Fish Use:	No					Dolly/Bull Trout Brook Trout	
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Frout Brown Trout	
OWNER		OHW = 0.25 meters.			Coho Steelhead	Brown Frout	
Name:	Montesano						
Type:	City						
LEVEL A ANA	ALYSIS						
SUMMARY INFO	RMATION	PLUNGE POOL DESC	CRIPTION	POTEN	NTIAL HABITAT	GAIN	
Review Date:	6/17/2004	Length (m)		Survey	Type:		
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):		
Barrier		Max Depth (m)		Spawn	ing (sq m)		
Passability (%)		CHANNEL DESCRIPT	ION	•	g (sq m)		
Method			1014	7	a (~4)		
Panair Status		Toe Width (m)		J			

CULVERT DESCRIPTION

Repair Status

Problem

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.46
Rise (m)	0.46
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Blue plastic sleeve attached to downstream end. Photo taken at upstream end.



Mason Conservation District

Site ID:	127S0396	Fish Use:	No
PI:		Barrier:	

SITE DESCRIPTION

OITE DEGGIN							
GENERAL LOCA	TION	POSITIONAL DATA		EVALU	ATION LEVEL	COMPLETED	
Road Name:	C-500	WGS 84, decimal degr	WGS 84, decimal degrees		Report Logged		
County:	Grays Harbor	Latitude:	47.01964	✓	Field Review		
1/4 Section:	NW	Longitude:	-123.59120		Threshold D	etermination	
Section:	29	WA state plane south (NAD 27, feet)		Expanded Threshold Determination		
Township:	18N	East:	1,229,483		Downstream	Check	
Range:	07W	North:	630,106		Physical Sur	vey	
WATERBODY		Location / Directions:	Location / Directions:		SPECIES POTENTIAL		
Stream:	unnamed	Water crossing is appro	Water crossing is approximately 100 meters		Sockeye	Sea Run Cutthroat	
Tributary To:	Sylvia Cr 22.0261	north of the C-500/A-25	500 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		OHW = 0.35 meters.		Steelhead			
Name:	Montesano						
Type:	City						
LEVEL A ANA	ALYSIS						
SUMMARY INFOR	RMATION	PLUNGE POOL DESC	PLUNGE POOL DESCRIPTION		POTENTIAL HABITAT GAIN		
Review Date:	6/17/2004	Length (m)		Survey ⁻	Туре:		
Field Crew:	Haque/Lutz	OHW (m)		Length ((m):		
Barrier		Max Depth (m)		Spawnir	ng (sq m)		
Passability (%)		CHANNEL DESCRIPT	TON	Rearing	• ,		
Method			ION	1 Coaring	(34 111)		
Panair Status		Toe Width (m)]			

CULVERT DESCRIPTION

Problem

1.1
RND
CST
0.41
0.39
No
0.00
No
1.50
No

Culvert Comments:

Span/Toe Ratio

Photo taken at upstream end.



Mason Conservation District

Site ID: 127\$0397 Fish Use: No PI: Barrier:

Spawning (sq m)

Rearing (sq m)

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALU	EVALUATION LEVEL COMPLETED	
Road Name:	C-500	WGS 84, decimal de	egrees		Report Logged	
County:	Grays Harbor	Latitude:	47.01865	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.59197		Threshold Determination	
Section:	29	WA state plane sout	th (NAD 27, feet)		Expanded Threshold Determination	
Township:	18N	East:	1,229,275		Downstream Check	
Range:	07W	North:	629,752		Physical Survey	
WATERBODY		Location / Direction	ns:	SPECIE	S POTENTIAL	
Stream:	unnamed	Water crossing is ap	proximately 15 meters	□ □	Sockeye Sea Run Cutthroat	
Tributary To:	Sylvia Cr 22.0261	north of the C-500/A	-2500 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		OHW = 0.5 meters.			Steelhead	
Name:	Montesano					
Type:	City					
LEVEL A ANA	ALYSIS					
SUMMARY INFORMATION		PLUNGE POOL DE	SCRIPTION	POTEN	TIAL HABITAT GAIN	
Review Date:	6/17/2004	Length (m)		Survey	Туре:	
Field Crew:	Haque/Lutz	OHW (m)		Length	(m):	

CULVERT DESCRIPTION

Barrier

Method

Problem

Passability (%)

Repair Status

1.1
RND
CST
0.47
0.47
No
0.01
No
1.50
No

Culvert Comments:

Max Depth (m)

Toe Width (m)

Span/Toe Ratio

Photo taken at upstream end.

CHANNEL DESCRIPTION



Mason Conservation District

Site ID:

PI:

127S0398

Fish Use:

No

Barrier:

SITE DESCRIPTION

POSITIONAL DATA **EVALUATION LEVEL COMPLETED GENERAL LOCATION** Report Logged WGS 84, decimal degrees Road Name: Private Dr Grays Harbor 46.97866 Field Review Latitude: County: Threshold Determination -123.61079 NW1/4 Section: Longitude: **Expanded Threshold Determination** 7 WA state plane south (NAD 27, feet) Section: Downstream Check 17N Township: 1,224,011 07W Physical Survey 615,364 Range: North: WATERBODY **Location / Directions: SPECIES POTENTIAL** Stream: unnamed Water crossing is approximately 60 meters east Sockeye Sea Run Cutthroat of the W Marcy Ave/S 9th St intersection, beneath private drive for residence @ 820 West Tributary To: Sylvia Cr 22.0261 Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.5 meters. OWNER Steelhead Montesano Name: City Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.38	

2.05

POTENTIAL HABITAT GAIN

Survey Type:	
_ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

	г
Sequencer:	1.1
Shape	RND
Material	PVC
Span (m)	0.78
Rise (m)	0.78
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffle at downstream end, no plunge pool. Unable to locate upstream end, possible storm water drain.



Mason Conservation District

Site ID:	127S0399	Fish Use
PI:		Barrier:

No

SITE DESCRIPTION

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	W Marcy Ave.	WGS 84, decimal de	egrees		Report Logge	ed
County:	Grays Harbor	Latitude:	46.97846	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.61108		Threshold De	etermination
Section:	7	WA state plane sou	th (NAD 27, feet)		Expanded Th	reshold Determination
Township:	17N	East:	1,223,934		Downstream	Check
Range:	07W	North:	615,291		Physical Surv	vey
WATERBODY		Location / Direction	ns:	SDECIE	ES POTENTIA	1
Stream:	unnamed	Water crossing is an	oproximately 40 meters east	31 LOIL	Sockeye	Sea Run Cutthroat
Tributary To:	Sylvia Cr. 22.0261	of W Marcy Ave./S			•	
WRIA:	22.0000				Pink	Resident Trout
Fish Use:	No				Chum	Dolly/Bull Trout
FUP Criteria:	Physical	Site Comments:			Chinook	Brook Trout
		OHW = 0.5 meters.			Coho	Brown Trout

LEVEL A ANALYSIS

OWNER

Name: Type:

SUMMARY INFORMATION

Review Date:	12/15/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

Montesano

City

PLUNGE POOL DESCRIPTION

Length (m)	2.50		
OHW (m)	4.25		
Max Depth (m)	1.00		
CHANNEL DESCRIPTION			

OHANNEL DEGONII HON		
Toe Width (m)	0.38	
Span/Toe Ratio	1.61	

POTENTIAL HABITAT GAIN

Steelhead

Survey Type:	
_ength (m):	
Spawning (sq m)	
Rearing (sg m)	

CULVERT DESCRIPTION

1.1
RND
PCC
0.61
0.61
No
0.00
0.05
No
5.00
No

Culvert Comments:



Mason Conservation District

Site ID: **127S0400** Fish Use: PI: Barrier:

No

SITE	DESCR	IPTION

GENERAL LOCATION		
Road Name:	E Kennaston Ave	
County:	Grays Harbor	
1/4 Section:	SW	
Section:	5	
Township:	17N	
Range:	07W	

WATERBODY

Stream:	unnamed
Tributary To:	Unnamed 22.0345
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	Montesano
Type:	City

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.98713	
Longitude:	-123.59504	
WA state plane south (NAD 27, feet)		
East:	1,228,059	
North:	618,295	

Location / Directions:

Water crossing is approximately 0.10 miles east of the E Kennaston Ave/N Church St intersection.

Site Comments:

OHW = 0.45 meters.

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2004
Field Crew:	Blatt/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.28	

1.32

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	PCC
Span (m)	0.37
Rise (m)	0.37
Length (m)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.01
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffle at downstream end, no plunge pool.



Mason Conservation District

Site ID: **127S0401**

Fish Use: Yes

PI: Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION Road Name: E Brady Loop Rd County: Grays Harbor 1/4 Section: NE Section: 11 Township: 17N

07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.97397	
Longitude:	-123.51463	
WA state plane south (NAD 27, feet)		
East:	1,247,929	

612,722

EVALUATION LEVEL COMPLETED

	Report Logged
✓	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:	Physical

Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.40 miles east of the E Brady Loop Rd/Foster Rd junction.

Wetland/slough downstream. OHW > 0.6

SPECIES POTENTIAL

, LCILO I	OILMIIAL	
So	ockeye	✓ Sea Run Cutthroa
Pi	nk	✓ Resident Trout
CI	hum	Dolly/Bull Trout
CI	hinook	Brook Trout
✓ C	oho	Brown Trout
St	eelhead	

OWNER

Name:	Grays Harbor
Type:	County

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2004
Field Crew:	Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	
Span/Toe Ratio	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.02
Rise (m)	2.02
Length (m)	18.19
Slope (%)	0.20
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	1.56
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

No plunge pool or toe measurements due to backwatered slough. Level B not applicable due to lack of downstream control.



Mason Conservation District

Site ID:

PI:

127S0402

Fish Use:

Yes

Barrier: Unk

SITE	DESCE	RIPTION

GENERAL LOCATION

Foster Rd Road Name: Grays Harbor County: 1/4 Section: NE

Section: 11 17N Township: 07W

WATERBODY

Range:

Stream: unnamed unnamed 22.0353 Tributary To: WRIA: 22.0000 Fish Use: FUP Criteria: Physical

OWNER

Grays Harbor Name: County Type:

POSITIONAL DATA

WGS 84, decimal degrees

46.98080 Latitude: -123.52232 Longitude: WA state plane south (NAD 27, feet)

1,246,106 615,286 North:

Location / Directions:

Water crossing is approximately 0.60 miles south of the Foster Rd/E Brady Loop Rd junction.

Site Comments:

Beaver pond/slough downstream. OHW > 0.6

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 Cu	utthroat
------------	----------

✓ Resident Trout

Dolly/Bull Trout **Brook Trout**

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	12/15/2004
Field Crew:	Blatt/Lutz
Barrier	Unk
Passability (%)	
Method	LBNA
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m) Span/Toe Ratio

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	BOX
Material	TMB
Span (m)	2.30
Rise (m)	2.10
Length (m)	9.28
Slope (%)	3.70
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	1.40
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

No plunge pool, toe or OHW measurements due to backwater slough upstream and downstream.



Mason Conservation District

Site ID: **127S0403**

PI:

Fish Use:

No

Barrier:

SITE	DESCRIPTION
O: : E	DECOMMINION

GENERAL LOCATION		
A-700		
Grays Harbor		
NE		
1		
17N		
W80		

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.99422	
Longitude:	-123.62104	
WA state plane south (NAD 27, feet)		
East:	1,221,678	
North:	621,135	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Creek 22.0261
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:OHW = 0.5 meters.

Water crossing is approximately 0.30 miles southeast of Sylvia A-line/A-700 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:	1/11/2005
Field Crew:	Hamel/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.45	

1.33

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.35
WDIC (m)	0.02
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0404

Fish Use:

No

Barrier:

3 1		DΕ	5 C	KIP	HOI	١
GE	NEI	RAL	LO	CATIO	NC	

A-700 Road Name: Grays Harbor County: ΝE 1/4 Section: Section: 1 17N Township:

08W

WATERBODY

Range:

Stream:	unnamed
Γributary To:	Sylvia Creek 22.0261
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	Weyerhaeuser Company
Type:	Private

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude: 46.99419			
Longitude:	-123.61867		

WA state plane south (NAD 27, feet)

1,222,268 621,100 North:

Location / Directions:

Water crossing is approximately 0.45 miles southeast of the Sylvia A-line/A-700 junction.

Site Comments:

Poorly defined channel, OHW = 0.45 meters.

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/11/2005
Field Crew:	Hamel/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

Toe Width (m)	0.40
Span/Toe Ratio	1.23

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.49
Rise (m)	0.62
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Photo taken at upstream end of culvert.



Mason Conservation District

Site ID:	127S0405	Fish L
PI:		Barrie

Jse: No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION		
Road Name:	A-720	
County:	Grays Harbor	
1/4 Section:	SE	
Section:	36	
Township:	18N	
Range:	W80	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	46.99650	
Longitude:	-123.61800	
WA state plane south (NAD 27, feet)		
East:	1,222,470	
North:	621,935	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Sylvia Creek 22.0261
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments: OHW = 0.55 meters.

Water crossing is approximately 0.20 miles north of A-700/A-720 junction. $\label{eq:constraint} % \begin{array}{ll} \text{To support the proximately 0.20 miles} \\ \text{To$

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Weyerhaeuser Company
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	1/11/2005
Field Crew:	Hamel/Lutz
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.85		
OHW (m)	0.52		
Max Depth (m)	0.33		
CHANNEL DESCRIPTION			
Toe Width (m)	0.42		

1.07

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.45
Rise (m)	0.45
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.05
WDIC (m)	0.02
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0406

Fish Use:

No

Barrier:

SIT			

GENERAL LOCATION		
Road Name:	GDRC 500	
County:	Mason	
1/4 Section:	SW	
Section:	18	
Township:	21N	
Range:	06W	

POSITIONAL DATA

WGS 84, decimal degrees			
47.30217			
-123.50351			
WA state plane south (NAD 27, feet)			
1,255,255			
732,243			

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.3 miles NE of the GDRC 500/600 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

Site Comments:

Natural point barrier downstream at confluence with Canyon River. Mouth of culvert heavily rusted. OHW = 0.55 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.60	
OHW (m)	0.47	
Max Depth (m)	0.08	
CHANNEL DESCRIPTION		

0.40

1.53

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	5.36
WDIC (m)	0.15
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0407

Fish Use:

No

Barrier:

SITE DESCRIPTION	١
GENERAL LOCATION	

Road Name:	GDRC 500
County:	Mason
1/4 Section:	SW
Section:	18
Township:	21N

06W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.30201
Longitude:	-123.50311
WA state plane south (NAD 27, feet)	
East:	1,255,353

732,181

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

North:

Water crossing is approximately 0.35 miles NE of the GDRC 500/600 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

Site Comments: Spring influence u

Spring influence upstream with no discernable channel, OHW = 0.30 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.50
OHW (m)	0.60
Max Depth (m)	0.25
CHANNEL DESCRIPTION	

0.80

0.60

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.48
Rise (m)	0.48
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.60
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.25
Tidegate	No

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0408

Fish Use:

Yes

Barrier: No

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	GDRC 500
County:	Mason
1/4 Section:	SW
Section:	18
Township:	21N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude:	47.30259		
Longitude:	-123.50224		
WA state plane south (NAD 27, feet)			
East: 1,255,576			
North:	732,383		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
Canyon River 22.0377
22.0000
Yes
Physical

Location / Directions:

Water crossing is approximately 0.50 miles NE of the GDRC 500/600 junction.

SPECIES POTENTIAL

LCIL	SPOILNIAL	
	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

Site Comments:

Likely natural point barrier downstream at confluence with Canyon River. OHW = 1.0 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	No
Passability (%)	100
Method	LA
Repair Status	OK
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.60	
OHW (m)	1.30	
Max Depth (m)	0.15	
CHANNEL DESCRIPTION		

0.75

0.80

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.60
Rise (m)	0.60
Length (m)	16.43
Slope (%)	0.00
Bed Material	Yes
Outfall Drop (m)	0.00
WDIC (m)	0.12
Apron	No
Fill Depth (m)	1.00
Tidegate	No

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0409

Fish Use:

No

Barrier:

SITE			

GENER	RALL	OCA	ION

Road Name:	GDRC 500
County:	Mason
1/4 Section:	SW
Section:	18
Township:	21N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude: 47.30520			
Longitude:	-123.49956		
WA state plane south (NAD 27, feet)			
East: 1,256,277			
North:	733,308		

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.66 miles NE of the GDRC 500/600 junction.

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

Site Comments:

Gradient barrier downstream, very small channel upstream. OHW = 0.7 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.70		
OHW (m)	1.40		
Max Depth (m)	0.18		
CHANNEL DESCRIPTION			

0.90

0.52

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.10
WDIC (m)	0.02
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID: **127S0410**

PI:

Fish Use:

No

Barrier:

CITE	DESCRIPTION	ON.
SIIL	DESCIVIL III	

GENERAL LOCATION		POSITIONAL DATA		EVALUATION LEVEL COMPLETED		
Road Name:	GDRC 500	WGS 84, decimal degrees			Report Logge	ed
County:	Mason	Latitude:	47.30608	✓	Field Review	
1/4 Section:	SW	Longitude:	-123.49833		Threshold De	etermination
Section:	18	WA state plane sout	h (NAD 27, feet)		Expanded Th	reshold Determination
Township:	21N	East:	1,256,594		Downstream	Check
Range:	06W	North:	733,619		Physical Surv	rey
WATERBODY		Location / Direction	ns:	encor.	ES POTENTIAL	
Stream:	unnamed	Water crossing is an	proximately 0.75 miles NE	SPECIE		Sea Run Cutthroat
Tributary To:	Canyon River 22.0377	of the GDRC 500/600 junction.			Sockeye	
WRIA:	22.0000				Pink	Resident Trout
Fish Use:	No	Site Comments:			Chum	Dolly/Bull Trout
FUP Criteria:	Physical				Chinook	Brook Trout
OWNER		Natural point barrier (4.5 meters) downstream of culvert, upstream channel steep and narrow.			Coho Steelhead	Brown Trout
Name:	en Diamond Resource Comp	OHW = 0.6 meters.			0100111044	
Туре:	Private					
LEVEL A AN	NALYSIS					
SUMMARY INF	ORMATION	PLUNGE POOL DE	SCRIPTION	POTEN	ITIAL HABITAT	T GAIN
Review Date:	4/13/2006	Length (m)		Survey	Type:	

Method Repair Status

Field Crew: Barrier Passability (%)

Problem

CULVERT DESCRIPTION		
Sequencer:	1.1	
Shape	RND	
Material	PCC	
Span (m)	0.48	
Rise (m)	0.48	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	1.50	
WDIC (m)	0.02	
Apron	No	
Fill Depth (m)	2.00	
Tidegate	No	

Glore/Blatt

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)		
Span/Toe Ratio		

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

Culvert Comments:



Mason Conservation District

Site ID:

127S0411

Fish Use:

Yes

PI: Barrier: Unk

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	GDRC 500
County:	Mason
1/4 Section:	SW
Section:	18
Township:	21N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30682	
Longitude:	-123.49728	
WA state plane south (NAD 27, feet)		
East:	1,256,862	
North:	733,879	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.8 miles NE of the GDRC 500/600 junction.

SPECIES POTENTIAL

	Sockeye	✓ 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

Site Comments:

Culvert plugged on upstream end, impounding water. Unable to locate mouth for slope shots - unable to complete leve A evaluation. OHW = 1.0 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRI	PTION
Toe Width (m)	0.75

0.81

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.61
Rise (m)	0.61
Length (m)	27.00
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Upstream end buried, unable to complete level A evaluation. Water flowing through road fill, not using pipe.



Mason Conservation District

Site ID:

PI:

127S0412

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Road Name:	GDRC 500
County:	Mason
1/4 Section:	SW
Section:	18
Townshin:	21N

06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30737	
Longitude:	-123.49610	
WA state plane south (NAD 27, feet)		
East:	1,257,164	
North:	734,066	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

unnamed
Canyon River 22.0377
22.0000
No
Physical

Location / Directions:

Water crossing is approximately 0.9 miles NE of the GDRC 500/600 junction.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	en Diamond Resource Com
Type:	Private

Site Comments: Confluence with la

Confluence with larger stream 50 meters downstream. 6 meter natural point barrier at downstream end of pipe. Small, steep channel upstream. OHW = 1.10 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	1.10	

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)	0.65
Rise (m)	0.65
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Culvert heavily rusted on downstream end.



Mason Conservation District

Site ID:

PI:

127S0413

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

GENERAL LOCATION	
Road Name:	GDRC 500
County:	Mason
1/4 Section:	SW
Section:	18
Township:	21N
Range:	06W

unnamed

Canyon River 22.0377

22.0000

Physical

en Diamond Resource Comp

Private

POSITIONAL DATA

WGS 84, decimal de	grees
Latitude:	47.30787

-123.49477 Longitude:

WA state plane south (NAD 27, feet) 1,257,500 734,239 North:

Location / Directions:

Water crossing is located immediately S of the GDRC 500/700 junction.

Site Comments:

Road is actively failing. Upstream channel very confined. OHW = 2.10 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

PECIES PO	IENIIAL		
Sock	кеуе	√ S	Sea Run Cutthroat
Pink		√ R	Resident Trout
Chui	m		Oolly/Bull Trout
Chin	ook	B	Brook Trout
✓ Coh)	B	Brown Trout
✓ Stee	lhead		

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	Outfall drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	2.60
OHW (m)	1.90
Max Depth (m)	0.35

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	0.97

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CAL
Span (m)	1.45
Rise (m)	1.45
Length (m)	33.25
Slope (%)	14.00
Bed Material	No
Outfall Drop (m)	1.90
WDIC (m)	0.04
Apron	No
Fill Depth (m)	5.50
Tidegate	No

Culvert Comments:

Upstream end of culvert is Corrugated aluminium, 0.9 x 0.9 meters.



Mason Conservation District

Site ID: 127S0414 Fish Use: No PI:

SITE DESCRIPTION

POSITIONAL DATA **GENERAL LOCATION EVALUATION LEVEL COMPLETED** GDRC 500 Report Logged WGS 84, decimal degrees Road Name: Mason 47.30309 Field Review Latitude: County: Threshold Determination -123.49496 SW Longitude: 1/4 Section: **Expanded Threshold Determination** Section: 18 WA state plane south (NAD 27, feet) Downstream Check 21N Township: 1,257,456 06W Physical Survey Range: 734,321 North: WATERBODY Location / Directions: **SPECIES POTENTIAL** Stream: unnamed Water crossing is immediately NW of the Sockeye Sea Run Cutthroat GDRC 500/700 junction. Tributary To: Canyon River 22.0377 Pink Resident Trout WRIA: 22.0000 Chum Dolly/Bull Trout Fish Use: **Brook Trout** Chinook Site Comments: FUP Criteria: Physical Brown Trout Coho OHW = 0.3 meters. OWNER Steelhead en Diamond Resource Comp Name: Private Type:

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.30	
Span/Toe Ratio	3.13	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.02
Apron	No
Fill Depth (m)	10.00
Tidegate	No

Culvert Comments:

Photo of uptstream end of culvert, downstream end covered by fill/sidecast.



Mason Conservation District

Site ID:

PI:

127S0415

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	GDRC 700
County:	Mason
1/4 Section:	NE
Continu	21

 Township:
 18N

 Range:
 06W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Canyon River 22.0377

 WRIA:
 22.0000

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: en Diamond Resource Comp Type: Private

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.30882

 Longitude:
 -123.49274

 WA state plane south (NAD 27, feet)

East: 1,258,019
North: 734,562

Location / Directions:

Water crossing is approximately 0.1 miles NE of the GDRC 500/700 junction.

Site Comments:

Upstream channel small with some ditch influence. OHW = 0.8 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
V	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

╛	Sockeye	
\neg	Pink	

Chum

Chinook

✓ Coho

Resident Trout

Dolly/Bull Trout

Brook Trout

Brown Trout

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Slope

PLUNGE POOL DESCRIPTION

Length (m)	0.80
OHW (m)	0.50
Max Depth (m)	0.15

CHANNEL DESCRIPTION

Toe Width (m)	1.10
Span/Toe Ratio	0.44

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1	
RND	
PCC	
0.48	
0.48	
9.33	
12.00	
No	
0.20	
0.01	
No	
1.50	
No	

Culvert Comments:



Mason Conservation District

Site ID: 127S0416 Fish Use: No PI: Barrier:

SITE DESCRIPTION GENERAL LOCATION POSITIO

Road Name:	GDRC 700
County:	Mason
1/4 Section:	NE
Section:	18
Township:	21N
D	OEW

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30876	
Longitude:	-123.49030	
WA state plane south (NAD 27, feet)		
East:	1,258,621	
North:	734,519	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
Canyon River 22.0377
22.0000
No
Physical

Location / Directions:

Site Comments: OHW = 0.5 meters.

Water crossing is approximately 0.25 miles NE of the GDRC 500/700 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:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)			
OHW (m)			
Max Depth (m)			
CHANNEL DESCRIPTION			
Toe Width (m)	0.50		

1.60

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)	0.80
Rise (m)	0.80
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.10
Apron	No
Fill Depth (m)	8.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0417

Fish Use:

No

Barrier:

SITE	DE:	SCR	IPTI	ON
GENE	RAL	LOCA	TION	ı

Road Name:	GDRC 700
County:	Mason
1/4 Section:	NE
Section:	18
Township:	21N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees			
Latitude:	47.30919		
Longitude:	-123.48774		
WA state plane south (NAD 27, feet)			
East:	1,259,262		

734,652

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

North:

Water crossing is approximately 0.35 miles NE of the GDRC 500/700 junction.

Poorly defined channel upstream, some ditch

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:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

delivery. OHW = 0.4 meters.

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.60	

1.00

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1		
RND		
PVC		
0.61		
0.61		
No		
0.10		
0.02		
No		
0.75		
No		

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0418

Fish Use:

e: No

Barrier:

	TE					
o.	1 =	$\boldsymbol{\omega}$	 -	IP 1	10	ıv

GENERAL LOCATION		
Road Name:	GDRC 700	
County:	Mason	
1/4 Section:	NE	
Section:	18	
Township:	21N	
D	06///	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.30903	
Longitude:	-123.48684	
WA state plane south (NAD 27, feet)		
East:	1,259,484	
North:	734,585	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.4 miles NE of the GDRC 500/700 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

Site Comments: Poorly defined ch

Poorly defined channel upstream. OHW = 0.5 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	4/13/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.66	
OHW (m)	1.20	
Max Depth (m)	0.40	
CHANNEL DESCRIPTION		

0.50

0.94

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1	
Shape	RND	
Material	PVC	
Span (m)	0.47	
Rise (m)	0.47	
Length (m)		
Slope (%)		
Bed Material	No	
Outfall Drop (m)	0.00	
WDIC (m)	0.15	
Apron	No	
Fill Depth (m)	0.50	
Tidegate	No	

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0419

Fish Use:

e: No

Barrier:

GI.	TE	DES	CD	IDT	ION
J.		ᄓᆫᇰ	CIV	16 1	

GENERAL LOCATION Road Name: GDRC 701 County: Mason 1/4 Section: NE Section: 18 Township: 21N Range: 06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.31125	
Longitude:	-123.48915	
WA state plane south (NAD 27, feet)		
East: 1,258,941		
North:	735,416	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
ributary To:	Canyon River 22.0377
VRIA:	22.0000
ish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:OHW = 0.45 meters.

Water crossing is approximately 0.3 miles NE of the GDRC 700/701 junction.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	en Diamond Resource Com
Type:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	0.70	
OHW (m)	0.65	
Max Depth (m)	0.20	
CHANNEL DESCRIPTION		
Toe Width (m)	0.45	

1.00

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.47
Rise (m)	0.47
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.02
Apron	No
Fill Depth (m)	7.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Series of cascades immediately downstream.



Mason Conservation District

Site ID:

PI:

127S0420

Fish Use:

No

Barrier:

SITE			

GENERAL LOCATION

Road Name:	GDRC 701
County	Mason

 County:
 Mason

 1/4 Section:
 NE

 Section:
 18

 Township:
 21N

 Range:
 06W

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.30952

 Longitude:
 -123.48974

 WA state plane south (NAD 27, feet)

 East:
 1,258,771

734,790

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Canyon River 22.0377

 WRIA:
 22.0000

 Fish Use:
 No

 FUP Criteria:
 Physical

Location / Directions:

North:

Water crossing is approximately 0.1 miles NE of the 700/701 junction, on an abandoned spur on the E side of the road.

on the L side of the roa

Site Comments:

OHW = 0.55 meters.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name: en Diamond Resource Comp Type: Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.50
OHW (m)	0.70
Max Depth (m)	0.08

CHANNEL DESCRIPTION

Toe Width (m)	0.50
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)	0.49
Rise (m)	0.49
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.22
WDIC (m)	0.01
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0421

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:	GDRC 500
County:	Mason
1/4 Section:	NW
Section:	18
Township:	20N
Range:	06W

POSITIONAL DATA

Location / Directions:

Site Comments: OHW = 2.10 meters.

the GDRC 500/700 junction.

WGS 84, decimal degrees				
Latitude:	47.30889			
Longitude:	-123.49774			

WA state plane south (NAD 27, feet)

1,256,779 734,636 North:

Water crossing is approximately 0.2 miles W of

SI

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroat
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
~	Coho	Brown Trout
~	Steelhead	

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

OWNER

Name:	en Diamond Resource Com
Туре:	Private

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	3.40
OHW (m)	3.10
Max Depth (m)	0.45

CHANNEL DESCRIPTION

Toe Width (m)	1.35
Span/Toe Ratio	0.66

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	73.29
Slope (%)	6.20
Bed Material	No
Outfall Drop (m)	0.78
WDIC (m)	0.05
Apron	No
Fill Depth (m)	14.00
Tidegate	No

Culvert Comments:

Heavily rusted downstream, length and slope my be inaccurate due to horizontal bend in pipe



Mason Conservation District

Site ID:

PI:

127S0422

Fish Use:

No

Barrier:

ITF			

GENERAL LOCATION

USFS 2368 Road Name: Mason County: SW 1/4 Section:

7 Section: Township: 21N 06W

WATERBODY

Range:

Stream: unnamed Tributary To: Canyon River 22.0377 WRIA: 22.0000 Fish Use: FUP Criteria: Physical

OWNER

Olympic National Forest Name: Federal Type:

POSITIONAL DATA

WGS 84, decimal degrees

47.31768 Latitude: -123.49546 Longitude: WA state plane south (NAD 27, feet)

1,257,466 737,820 North:

Location / Directions:

Water crossing is approximately 0.9 miles N of the 2368/2365 junction.

Site Comments:

Seasonal stream - dry at time of sample. > 10 meter natural point barrier at outlet of pipe, high gradient to Canyon River confluence. OHW = 1.95 meters.

EVALUATION LEVEL COMPLETED

Report Logge	d
--------------	---

Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check

Physical Survey

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Ob	

Chum Dolly/Bull Trout **Brook Trout** Chinook

Brown Trout Coho

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	1.00
Span/Toe Ratio	0.91

POTENTIAL HABITAT GAIN

Steelhead

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.91
Rise (m)	0.91
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Photo of upstream end of pipe, and natural point barrier at outlet.



Mason Conservation District

Site ID:

PI:

127S0423

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Road Name:	USFS 2368
County:	Mason
1/4 Section:	SW
Section:	7
Township:	21N

06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.31947	
Longitude:	-123.49443	
WA state plane south (NAD 27, feet)		
East:	1,257,745	

738,461

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

unnamed
Canyon River 22.0377
22.0000
No
Physical

Location / Directions:

North:

Water crossing is approximately 1.0 miles N of the 2368/2365 junction.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Tyne:	Federal

Site Comments:

> 10 meter natural point barrier immediately downstream, high gradient stream. OHW = 0.55 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	1.05	
OHW (m)	1.00	
Max Depth (m)	0.25	
CHANNEL DESCRIPTION		

0.50

1.62

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1			
RND			
CST			
0.81			
0.81			
No			
3.18			
0.03			
No			
3.50			
No			

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0424

Fish Use:

No

Barrier:

SIT			

GENERAL LOCATION			
Road Name:	USFS 2368		
County:	Mason		
1/4 Section:	NE		
Section:	7		
Township:	21N		
D	OCM		

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude: 47.32377		
Longitude:	-123.49286	
WA state plane south (NAD 27, feet)		
East: 1,258,195		
North:	740,014	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.35 miles N of the 2368/2365 junction.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

Site Comments:

10 meter natural point barrier immediately downstreeam, 4 meter natural point barrier upstream. OHW = 1.6 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.55	

1.65

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1		
RND		
CST		
0.91		
0.91		
No		
1.50		
0.03		
No		
3.00		
No		

Culvert Comments:



Mason Conservation District

Site ID: 127S0425

PI:

Fish Use: No

Barrier:

GENERAL LOCA	TION	POSITIONAL DAT	'A	EVALUA	TION LEVEL	COMPLETED
Road Name:	USFS 2368	WGS 84, decimal	degrees		Report Logged	d
County:	Mason	Latitude:	47.32975	✓	Field Review	
1/4 Section:	NW	Longitude:	-123.49443		Threshold Det	termination
Section:	7	WA state plane so	uth (NAD 27, feet)		Expanded Thr	reshold Determination
Township:	21N	East:	1,257,887		Downstream (Check
Range:	06W	North:	742,207		Physical Surve	ey
WATERBODY		Location / Direction	ons:	SPECIES	S POTENTIAL	
Stream:	unnamed	Water crossing is a	approximately 0.1 miles N of		Sockeye	Sea Run Cutth
Tributary To:	Canyon River 22.0377	the 2368/2368.1 ju			Pink	Resident Trout
WRIA:	22.0000				Chum	
Fish Use:	No				Ciluiii	Dolly/Bull Trout

FUP Criteria: OWNER

Name:	Olympic National Forest
Type:	Federal

Physical

Site Comments:

Natural point barrier at confluence with Canyon River, approx. 100 meters downstream. OHW = 1.0 meters.

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Stoolhood	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		

Toe Width (m)	0.75
Span/Toe Ratio	1.20

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.92
Rise (m)	0.92
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.75
WDIC (m)	0.03
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Series of cascades downstream. Additional pipe (overflow) on right bank, 0.81 x 0.81 meters, Round, CST, no stream bed, angled extension on downstream end, natural point barrier at confluence with Canyon River.



Mason Conservation District

Site ID:

PI:

127S0426

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2368
County:	Mason
1/4 Section:	SW
Section:	6
Township:	21N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees	
Latitude:	47.33091
Longitude:	-123.49510
WA state plane south (NAD 27, feet)	
East:	1,257,739
North:	742,638

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Mapped

Location / Directions:

Water crossing is approximately 0.2 miles N of the 2368/2368.1 junction.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

Site Comments:

Recently replaced culvert, 5.4 meter natural point barrier downstream. Series of near natural point barriers upstream, high gradient stream. OHW = 5.0 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	4.20
OHW (m)	4.80
Max Depth (m)	0.47
CHANNEL DESCRIPTION	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.15
Rise (m)	1.71
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.30
WDIC (m)	0.05
Apron	No
Fill Depth (m)	3.00
Tidegate	No

Length (m)	4.20
OHW (m)	4.80
Max Depth (m)	0.47

Toe Width (m)	2.50
Span/Toe Ratio	0.86

Culvert Comments:

Pipe bevelled downstream. No anadromous fish use, level A not completed.



Mason Conservation District

Site ID:	127S0427	Fish Use:	No
PI:		Barrier:	

SITE DESCR	RIPTION				
GENERAL LOCATION POSITIONAL DATA			EVALU	ATION LEVEL COMPLETED	
Road Name:	USFS 2368	WGS 84, decimal deg	grees		Report Logged
County:	Mason	Latitude:	47.33720	✓	Field Review
1/4 Section:	NW	Longitude:	-123.49991		Threshold Determination
Section:	6	WA state plane south	(NAD 27, feet)		Expanded Threshold Determination
Township:	21N	East:	1,256,635		Downstream Check
Range:	06W	North:	744,975		Physical Survey
WATERBODY		Location / Directions	s:	encor.	ES POTENTIAL
Stream:	unnamed	Water crossing is ann	Water crossing is approximately 0.1 miles N of		
Tributary To:	Canyon River 22.0377	the 2368/2368.2 junction.			Sockeye Sea Run Cutthroat
WRIA:	22.0000				Pink Resident Trout Chum Dolly/Bull Trout
Fish Use:	No				
FUP Criteria:	Physical				
			seasonal flows - dry at time of sample. Gradient barrier upstream and downstream,		Coho Brown Trout Steelhead
Name:	Olympic National Forest	confluence with Canyon River 50 meters downstream. OHW = 1.10 meters.			
Type:	Federal	downstream. Onw =	1.10 meters.		
LEVEL A AN	NALYSIS				
SUMMARY INFO	ORMATION	PLUNGE POOL DES	CRIPTION	POTEN	ITIAL HABITAT GAIN
Review Date:	5/12/2006	Length (m)		Survey	Type:
Field Crew:	Glore/Blatt	OHW (m)		Length	(m):
Barrier		Max Depth (m)		Spawnii	ng (sq m)
Passability (%)		CHANNEL DESCRIPTION		Rearing	
Method		CHANNEL DESCRIP		Realing	J (34 III)
Repair Status		Toe Width (m)	1.00		
Problem		Span/Toe Ratio	0.81		

CULVERT DESCRIPTION

Problem

_	
Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.81
Rise (m)	0.81
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.00
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

Angled extension on downstream end.



Mason Conservation District

Site ID:

PI:

127S0428

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:	USFS 2368
County:	Mason
1/4 Section:	NW
Section:	6
Township:	21N
Range:	06W

POSITIONAL DATA

Location / Directions:

the 2368/2368.2 junction.

WGS 84, decimal degrees		
Latitude:	47.33882	
_ongitude: -123.50037		
WA state plane south (NAD 27, feet)		

East:	1,256,543
North:	745,571

Water crossing is approximately 0.25 miles N of

S

PECIE	S POTENTIAL	
	Sockeye	Sea Run Cutthroa
	Pink	✓ Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout
	Steelhead	

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Olympic National Forest
Tyne:	Federal

Site Comments:

Natural point barrier immediately upstream, natural point barrier at Canyon River confluence. OHW = 2.05 meters.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	Unk
Passability (%)	
Method	OT
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.05
OHW (m)	1.70
Max Depth (m)	0.55
CHANNEL DESCRI	PTION

Toe Width (m)	1.00
Span/Toe Ratio	1.35

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
CST
1.35
1.35
No
0.04
No
1.00
No

Culvert Comments:

No anadromous fish use, level A not completed.



Mason Conservation District

Site ID:

PI:

127S0429

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION **GENERAL LOCATION**

USFS 2368 Road Name: Mason County: NW 1/4 Section: Section: 6

Township: 21N 06W Range:

WATERBODY

Stream: unnamed Tributary To: Canyon River 22.0377 WRIA: 22.0382 Fish Use: Yes FUP Criteria: Mapped

OWNER

Name: Type:

Olympic National Forest

Federal

POSITIONAL DATA

WGS 84, decimal degrees

47.34339 Latitude: -123.49945 Longitude: WA state plane south (NAD 27, feet)

1,256,833 747,227 North:

Location / Directions:

Water crossing is approximately 0.35 miles N of the 2368/2368.2 junction.

Site Comments:

Natural point barrier 20 meters downstream, outfall is natural point falls. OHW = 3.05 meters.

EVALUATION LEVEL COMPLETED

Report Logged	
---------------	--

Field Review Threshold Determination

Expanded Threshold Determination

Downstream Check Physical Survey

SPECIES POTENTIAL

Pink Chum

Chinook

Coho

Steelhead

Sea Run Cutthroat	
-------------------	--

Resident Trout Dolly/Bull Trout

Brook Trout

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

CHANNEL DESCRIPTION	
Max Depth (m)	
OHW (m)	
Lengur (III)	
Length (m)	

Toe Width (m)	1.10
Span/Toe Ratio	1.40

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.55
Rise (m)	1.72
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	5.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	6.00
Tidegate	No

Culvert Comments:

No anadromous fish use, level A not completed.



Mason Conservation District

Site ID:

PI:

127S0430

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2368
County:	Mason

 1/4 Section:
 SW

 Section:
 31

 Township:
 22N

Range: 06W

WATERBODY

 Stream:
 unnamed

 Tributary To:
 Canyon River 22.0377

 WRIA:
 22.0383

 Fish Use:
 Yes

 FUP Criteria:
 Physical

OWNER

Name: Olympic National Forest

Type: Federal

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.34736 Longitude: -123.49512

WA state plane south (NAD 27, feet)

East: 1,257,961

North: 748,635

Location / Directions:

Water crossing is approximately 0.7 miles N of the 2368/2368.1 junction.

Site Comments:

High gradient stream, confluence with Canyon River 20 meters downstream. OHW = 3.7 meters.

EVALUATION LEVEL COMPLETED

	Report	Logged
--	--------	--------

Field Review
Threshold Determination

____ 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:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	Outfall drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	4.85
OHW (m)	3.95
Max Depth (m)	0.90

CHANNEL DESCRIPTION

Toe Width (m)	1.90
Span/Toe Ratio	1.10

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	2.10
Rise (m)	1.75
Length (m)	27.18
Slope (%)	18.00
Bed Material	No
Outfall Drop (m)	2.75
WDIC (m)	0.05
Apron	No
Fill Depth (m)	17.00
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0431

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

Road Name: USFS 2368 County: Mason 1/4 Section: NE Section: 31 Township: 22N

06W

unnamed

Canyon River 22.0377

22.0000

Physical

Olympic National Forest

Federal

POSITIONAL DATA

 WGS 84, decimal degrees

 Latitude:
 47.35260

 Longitude:
 -123.49143

WA state plane south (NAD 27, feet)

East: 1,258,947

North: 750,509

Location / Directions:

Water crossing is approximately 1.05 miles N of the 2368/2368.2 junction.

Site Comments:

High gradient, seasonal stream. Gradient barrier upstream. OHW = 2.35 meters.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	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

Review Date:	5/12/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	

2.35

0.34

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0432

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2368
County:	Mason
1/4 Section:	NE
Section:	31
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.35477

Longitude: -123.49073

WA state plane south (NAD 27, feet)

East: 1,259,151

North: 751,295

EVALUATION LEVEL COMPLETED Report Logged

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0384
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 1.6 miles N of the 2368/2368.2 junction.

Site	Comments:

SPECIES POTENTIAL

 O I O I LIVITAL	
Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall Drop; Slope

PLUNGE POOL DESCRIPTION

Length (m)	7.00	
OHW (m)	8.50	
Max Depth (m)	1.10	
CHANNEL DESCRIPTION		

2.75

0.67

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
CST
1.86
1.86
15.46
9.00
No
1.70
0.05
No
3.00
No

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0433

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION Road Name: USFS 2368

 County:
 Mason

 1/4 Section:
 NE

 Section:
 31

 Township:
 22N

06W

unnamed

Canyon River 22.0377

22.0000

Physical

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.35574

 Longitude:
 -123.49014

 WA state plane south (NAD 27, feet)

East: 1,259,309

North: 751,643

Location / Directions:

Water crossing is approximately 1.7 miles N of the USFS 2368/2368.2 junction.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
~	Field Review

Threshold Determination

Expanded Threshold Determination

Downstream CheckPhysical Survey

SPECIES POTENTIAL

Sockeye

Pink
Chum

Resident Trout

Dolly/Bull Trout

Sea Run Cutthroat

Chinook

Brook Trout
Brown Trout

Coho
Steelhead

OWNER

Range:

Stream:

WRIA:

Fish Use:

WATERBODY

Tributary To:

FUP Criteria:

Name: Olympic National Forest

Type: Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	4.80
OHW (m)	4.60
Max Depth (m)	0.75

CHANNEL DESCRIPTION

Toe Width (m)	1.60
Span/Toe Ratio	0.97

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.55
Rise (m)	1.55
Length (m)	27.43
Slope (%)	23.00
Bed Material	No
Outfall Drop (m)	1.30
WDIC (m)	0.03
Apron	No
Fill Depth (m)	6.50
Tidegate	No

Culvert Comments:

Vertical intake pipe on upstream end of culvert, downstream end is beveled.



Mason Conservation District

Site ID:

PI:

127S0434

Fish Use:

Yes

Barrier: Yes

Sea Run Cutthroat

✓ Resident Trout

Brook Trout

Dolly/Bull Trout

SITE DESCRIPTION

GENERAL LOCATION

USFS 2368 Road Name: Mason County:

1/4 Section: SE 30 Section: 22N Township: 06W

WATERBODY

Range:

Stream: unnamed Tributary To: Canyon River 22.0377 WRIA: 22.0000 Fish Use: Yes FUP Criteria: Physical

OWNER

Olympic National Forest Name: Federal Type:

POSITIONAL DATA

WGS 84, decimal degrees

47.36292 Latitude: -123.48872 Longitude:

WA state plane south (NAD 27, feet) 1,259,762 754,243 North:

Location / Directions:

Water crossing is approximately 0.35 miles S of the 2368/2300 junction.

Site Comments:

Natural point barrier at outlet.

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

Brown Trout

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	3.50
OHW (m)	3.00
Max Depth (m)	1.50

CHANNEL DESCRIPTION

Toe Width (m)	1.30
Span/Toe Ratio	1.17

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sg m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.52
Rise (m)	1.52
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	4.20
WDIC (m)	0.04
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Abandoned culvert on downstream end (only on downstream end), not passing water. Debris rack on upstream end. No anadromous fish use, level A not completed.



Mason Conservation District

Site ID:

PI:

127S0435

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

Road Name:	USFS 2368
County:	Mason
1/4 Section:	SE
Section:	30
Township:	22N
Range:	06W

unnamed

Canyon River 22.0377

22.0000

Yes

Physical

Olympic National Forest

Federal

POSITIONAL DATA

WGS 84, decimal degrees Latitude:

47.36672 -123.48801 Longitude:

WA state plane south (NAD 27, feet) 1,259,988

Location / Directions:

North:

Water crossing is approximately 0.10 miles S of the 2300/2368 junction.

755,621

Site Comments:

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
Coho	Brown Trout

Coho

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Ourfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	2.00
OHW (m)	0.70
Max Depth (m)	0.20

CHANNEL DESCRIPTION

Toe Width (m)	1.80
Span/Toe Ratio	0.82

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.48
Rise (m)	1.48
Length (m)	17.06
Slope (%)	24.00
Bed Material	No
Outfall Drop (m)	3.10
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0436

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:	USFS 2300
County:	Mason
1/4 Section:	NE
Section:	30
Township:	22N
Range:	06W

POSITIONAL DATA

Location / Directions:

of the 2300/2368 junction.

Site Comments:

WGS 84, decimal degrees			
Latitude: 47.37272			
Longitude: -123.48399			
WA state plane south (NAD 27 feet)			

•	, ,
East:	1,261,069
North:	757,774

Water crossing is approximately 0.45 miles NE

Probable gradient barrier upstream. Canyon

River confluence immediately downstream.

S

PECIES POTENTIAL			
Soc	keye		Sea Run Cutthroat
Pink		~	Resident Trout
Chu	m		Dolly/Bull Trout
Chir	nook		Brook Trout
Coh	0		Brown Trout
C Stor	lhood		

WATERBODY

unnamed	
Canyon River 22.0377	
22.0000	
Yes	
Physical	

OWNER

Name:	Olympic National Forest	
Type:	Federal	

LEVEL A ANALYSIS

SUMMARY INFORMATION

5/22/2006		
Glore/Blatt		
Yes		
33		
LA		
UD		
Slope		

PLUNGE POOL DESCRIPTION

Length (m)	2.60	
OHW (m)	3.10	
Max Depth (m)	0.35	
CHANNEL DESCRIPTION		

Toe Width (m)	1.50	
Span/Toe Ratio	1.13	

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
CST
1.70
1.70
15.44
9.40
No
0.15
0.05
No
0.50
No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0437

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GEN	IEDAI	LOCA	TION

Road Name:	USFS 2300
County:	Mason
1/4 Section:	SE
Section:	19
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.37529	
Longitude:	-123.48348	
WA state plane south (NAD 27, feet)		
East:	1,261,228	
North:	758.706	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.6 miles N of the 2300/2368 junction.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

Site Comments:

Large waterfall upstream limits upstream habitat gain. Series of small cascades to Canyon River confluence.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	1.60	
OHW (m)	1.80	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

1.75

0.61

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.07
Rise (m)	1.07
Length (m)	11.21
Slope (%)	15.00
Bed Material	No
Outfall Drop (m)	2.50
WDIC (m)	0.03
Apron	No
Fill Depth (m)	0.50
Tidegate	No

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0438

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2300
County:	Mason
1/4 Section:	SE
Section:	19
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.37607	
Longitude:	-123.48367	
WA state plane south (NAD 27, feet)		
East:	1,261,192	
North:	758,992	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

oulet of culvert.

Water crossing is approximately 0.65 miles N of the 2300/2368 junction.

Road failing on downstream end, no access to

SPECIES POTENTIAL

PECIES PUTENTIAL			
Sockeye	Sea Run Cutthroa		
Pink	Resident Trout		
Chum	Dolly/Bull Trout		
Chinook	Brook Trout		
Coho	Brown Trout		
Steelhead			

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop

PLUNGE POOL DESCRIPTION

Length (m)	1.30	
OHW (m)	1.10	
Max Depth (m)	0.15	
CHANNEL DESCRIPTION		

0.78

1.20

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.94
Rise (m)	0.94
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	2.90
WDIC (m)	0.03
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Span/Toe Ratio

Culvert Comments:

Toe Width (m)

Road failing on downstream side. No anadromous fish use, level A not completed.



Mason Conservation District

Site ID:

PI:

127S0439

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

WATERBODY

Tributary To:

FUP Criteria:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

GENERAL LOCATION Road Name: USFS 2367 County: Mason 1/4 Section: NE Section: 19 Township: 22N Range: 06W

Canyon River

WF Satsop 22.0364

22.0377

Physical

Olympic National Forest

Federal

POSITIONAL DATA

WGS 84, decimal degrees

 Latitude:
 47.38468

 Longitude:
 -123.48328

 WA state plane south (NAD 27, feet)

East: 1,261,410

North: 762,123

Location / Directions:

Water crossing is approximately 0.4 miles NW of the 2300/2367 junction.

Site Comments:

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	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	

Expanded Threshold Determination

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	15.20	
OHW (m)	14.50	
Max Depth (m)	2.50	

CHANNEL DESCRIPTION

Toe Width (m)	8.60
Span/Toe Ratio	0.59

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	5.05
Rise (m)	5.05
Length (m)	23.38
Slope (%)	2.00
Bed Material	No
Outfall Drop (m)	0.65
WDIC (m)	0.20
Apron	No
Fill Depth (m)	8.50
Tidegate	No

Culvert Comments:

Large log has washed into upstream end severely deforming inlet, and diverting flow into fill. Upstream side of road beginning to fail.



Mason Conservation District

Site ID:

PI:

127S0440

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

WATERBODY

Tributary To:

FUP Criteria:

Road Name:	USFS 2367
County:	Mason
1/4 Section:	NE
Section:	19
Townshin:	22N

06W

unnamed

unnamed 22.0388

22.0000

Physical

Olympic National Forest

Federal

POSITIONAL DATA

 WGS 84, decimal degrees

 Latitude:
 47.38555

 Longitude:
 -123.49309

 WA state plane south (NAD 27, feet)

East: 1,258,993

North: 762,536

Location / Directions:

Water crossing is approximately 1.0 miles NW of the 2300/2367 junction.

Site Comments:

Slide/cascade at outlet, with several pools between steps.

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

SPECIES POTENTIAL

FEGIES FOTENTIAL			
	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:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		

Toe Width (m)	1.75
Span/Toe Ratio	0.63

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.10
Rise (m)	1.10
Length (m)	15.34
Slope (%)	5.90
Bed Material	No
Outfall Drop (m)	3.20
WDIC (m)	0.02
Apron	No
Fill Depth (m)	0.75
Tidegate	No

Culvert Comments:

Cascade at outlet, no plunge pool.



Mason Conservation District

Site ID:

PI:

127S0441

Fish Use:

Yes Yes

Barrier:

SITE DESCRIPTION

GENERAL LOCATION USFS 2367 Road Name:

Mason County: NW1/4 Section: 19 Section: 22N Township:

06W

Olympic National Forest

Federal

Latitude: Longitude:

North:

WA state plane south (NAD 27, feet) 1,258,379 762,673

47.38586

-123.49559

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: unnamed 22.0387 WRIA: 22.0388 Fish Use: FUP Criteria: Physical

Location / Directions:

POSITIONAL DATA

WGS 84, decimal degrees

Water crossing is approximately 1.1 miles NW of the 2300/2367 junction.

Site Comments:

SPECIES POTENTIAL

	Sockeye	
	Pink	
\exists	Chum	

Resident Trout

Dolly/Bull Trout **Brook Trout**

Brown Trout

Sea Run Cutthroat

Coho

Chinook

Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	6.80	
OHW (m)	5.90	
Max Depth (m)	0.80	

CHANNEL DESCRIPTION

Toe Width (m)	1.80
Span/Toe Ratio	0.61

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.10
Rise (m)	1.10
Length (m)	18.78
Slope (%)	6.30
Bed Material	No
Outfall Drop (m)	0.35
WDIC (m)	0.04
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



Mason Conservation District

Site ID:

PI:

127S0442

Fish Use: Barrier: Yes

Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2300
County:	Mason
1/4 Section:	SE
Section:	19
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.38010	
Longitude:	-123.48259	
WA state plane south (NAD 27, feet)		
East:	1,261,517	
North:	760,451	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.1 miles NE of the 2300/2367 junction. $\label{eq:proximately} % \begin{subarray}{ll} \end{subarray} % \begin{s$

High gradient seasonal stream, dry at time of

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	4.85	
OHW (m)	3.20	
Max Depth (m)	0.50	
CHANNEL DESCRIPTION		

1.10

1.00

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.09
Rise (m)	1.09
Length (m)	17.76
Slope (%)	21.00
Bed Material	No
Outfall Drop (m)	0.85
WDIC (m)	0.00
Apron	No
Fill Depth (m)	3.70
Tidegate	No

Culvert Comments:

Toe Width (m)



Mason Conservation District

Site ID:

PI:

127S0443

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2300
County:	Mason
1/4 Section:	NW
Section:	20

Township: 22N
Range: 06W

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

OWNER

Name:	Olympic National Forest
Type:	Federal

POSITIONAL DATA

WGS 84	decimal	degree

Latitude:	47.38226	
Longitude:	-123.47195	
WA state plane south (NAD 27, feet)		
East:	1,262,399	

761,206

Location / Directions:

North:

Site Comments:

High gradient stream upstream, series of cascades downstream. Large elevation change from inlet to outlet.

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	slope

PLUNGE POOL DESCRIPTION

Length (m)	6.50	
OHW (m)	4.90	
Max Depth (m)	0.65	
CHANNEL DESCRIPTION		

CHANNEL DESCRIPTION

Toe Width (m)	1.50
Span/Toe Ratio	1.05

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.58
Rise (m)	1.58
Length (m)	42.93
Slope (%)	18.00
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.02
Apron	No
Fill Depth (m)	
Tidegate	No

Culvert Comments:

Downstream end deformed by log that has fallen over outlet.



Mason Conservation District

Site ID: **127S0444**

PI:

Fish Use:

No

Barrier:

SITE	DESCRIP	TION
	DEGUINII	11011

GENERAL LOCATION		
Road Name:	USFS 2300	
County:	Mason	
1/4 Section:	SE	
Section:	17	
Township:	22N	
Range:	06W	

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.38982	
Longitude:	-123.47080	
WA state plane south (NAD 27, feet)		
East:	1,264,567	
North:	763,884	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

(gradient > 20%).

Water crossing is approximately 1.25 miles NE of the 2300/2367 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
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.90	

1.21

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.09
Rise (m)	1.09
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.05
Apron	No
Fill Depth (m)	8.50
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffle at outlet, no plunge pool.



Mason Conservation District

Site ID: **127S0445**

PI:

Fish Use:

: No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION Road Name: USFS 2300 County: Mason 1/4 Section: SE Section: 17 Township: 22N

06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.39314	
Longitude:	-123.46528	
WA state plane south (NAD 27, feet)		
East:	1,265,982	
North:	765,043	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Γributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 1.65 miles NE of the 2300/2367 junction.

Seasonal stream is dry at time of sample. High

gradient downstream, poorly defined channel upstream - OHW < 0.6 meters.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/22/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	0.50

2.18

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.09
Rise (m)	1.09
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.00
WDIC (m)	0.00
Apron	No
Fill Depth (m)	8.00
Tidegate	No

Culvert Comments:

Span/Toe Ratio

Riffle at outlet, no plunge pool



Mason Conservation District

Site ID: 127S0446

PI:

Fish Use:

No

Barrier:

SITE DESCRIPTION

GENERAL LOCATION

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

WATERBODY

Tributary To:

USFS 2367 Road Name: Mason County:

NE 1/4 Section: Section: 19 22N Township: 06W

unnamed

Canyon River 22.0377

22.0390

Physical

Olympic National Forest

Federal

WGS 84, decimal degrees 47.38263 Latitude: -123.48328 Longitude:

WA state plane south (NAD 27, feet)

1,261,379 761,376 North:

Location / Directions:

POSITIONAL DATA

Water crossing is approximately 0.25 miles N of the 2367/2300 junction.

Site Comments:

Series of cascades at outlet, 2nd cascade measures 4 vertical meters = natural point barrier.

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

Brook Trout Chinook

Brown Trout Coho Steelhead

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	

CHANNEL DESCRIPTION

Toe Width (m)	3.20
Span/Toe Ratio	0.48

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.55
Rise (m)	1.55
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	
WDIC (m)	0.03
Apron	No
Fill Depth (m)	10.00
Tidegate	No

Culvert Comments:

Large pile of LWD obscures plunge pool



Mason Conservation District

Site ID:

PI:

127S0447

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENE	KAL	LOCA	IION

Road Name:	USFS 2367
County:	Mason
1/4 Section:	NE
Section:	19
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees

Latitude: 47.38033

Longitude: -123.48397

WA state plane south (NAD 27, feet)

East: 1,261,179

760,548

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Γributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

North:

Water crossing is approximately 30 meters N of the 2300/2367 junction.

Seasonal stream dry at time of sample.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	✓ Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	5/25/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall Drop, Slope

PLUNGE POOL DESCRIPTION

Length (m)	1.90	
OHW (m)	1.70	
Max Depth (m)	0.30	
CHANNEL DESCRIPTION		

2.15

0.51

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
CST
1.10
1.10
30.14
17.00
No
0.40
0.00
No
11.70
No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio



Mason Conservation District

Site ID:

PI:

127S0448

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	GDRC 6875
County:	Grays Harbor
1/4 Section:	SE
Section:	25
Township:	21N
Range:	07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.27952	
Longitude:	-123.50993	
WA state plane south (NAD 27, feet)		
East:	1,253,347	
No wth.	724 048	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

unnamed
Canyon River 22.0377
22.0000
Yes
Physical

Location / Directions:

Site Comments:

downstream of culvert.

Water crossing is approximately 0.60 miles NE of the GDRC 6875/500 junction.

Intermittent sub surface flows upstream and

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/6/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	Outfall, Slope

PLUNGE POOL DESCRIPTION

Length (m)	3.40	
OHW (m)	2.05	
Max Depth (m)	0.40	
CHANNEL DESCRIPTION		

0.65

1.22

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.79
Rise (m)	0.79
Length (m)	18.53
Slope (%)	6.30
Bed Material	No
Outfall Drop (m)	0.97
WDIC (m)	0.03
Apron	No
Fill Depth (m)	3.50
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Stream OHW=0.95m.



Mason Conservation District

Site ID:

PI:

127S0449

Fish Use:

Yes

Barrier: Yes

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2300.44
County:	Mason
1/4 Section:	NE
Section:	30
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.36887	
Longitude:	-123.48489	
WA state plane south (NAD 27, feet)		
East:	1,260,793	
North:	756,379	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 0.10 miles SE of the 2300/2300.44 junction.

Limited gain upstream of culvert due to natural

point barrier falls. Stream enters confluence of Canyon River approximately 80 meters downstream of culvert.

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	0
Method	LA
Repair Status	UD
Problem	Outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCRIPTION	
Toe Width (m)	1.80

0.58

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

1.1
RND
CST
1.04
1.04
19.51
23.78
No
4.00
0.06
No
3.50
No

Culvert Comments:

Span/Toe Ratio

Outfall is onto pile of slash with LWD pieces present.



Mason Conservation District

Site ID:

PI:

47.36628

-123.48309

127S0450

Fish Use:

Yes Yes

Barrier:

EVALUATION LEVEL COMPLETED

Report Logged

SITE DESCRIPTION

GENERAL LOCATION

Road Name:	USFS 2300.44
County:	Mason
1/4 Section:	SE
Section:	30
Township:	22N
Range:	06W

POSITIONAL DATA

Longitude:

WGS 84, decima	l degrees
Latitude:	

WA state plane south (NAD 27, feet)

East: 1,261,203

North: 755,418

✓ Field Review☐ Threshold Determination☐ Expanded Threshold Determination

Downstream Check
Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	Yes
FUP Criteria:	Physical

Location / Directions:

Water crossing is approximately 0.33 miles SE of the 2300/2300.44 junction.

SPECIES POTENTIAL

LOILO I OTLIVIL		
	Sockeye	Sea Run Cutthroa
	Pink	Resident Trout
	Chum	Dolly/Bull Trout
	Chinook	Brook Trout
	Coho	Brown Trout

OWNER

Name:	Olympic National Forest
Type:	Federal

Site Comments: High gradient cha

High gradient channel with sub surface flows directly after plunge pool.

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2006
Field Crew:	Glore/Blatt
Barrier	Yes
Passability (%)	33
Method	LA
Repair Status	UD
Problem	outfall drop, slope

PLUNGE POOL DESCRIPTION

Length (m)	1.90
OHW (m)	2.60
Max Depth (m)	0.40

CHANNEL DESCRIPTION

Toe Width (m)	0.90
Span/Toe Ratio	1.39

POTENTIAL HABITAT GAIN

Steelhead

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.25
Rise (m)	1.25
Length (m)	18.96
Slope (%)	10.75
Bed Material	No
Outfall Drop (m)	0.80
WDIC (m)	0.03
Apron	No
Fill Depth (m)	1.50
Tidegate	No

Culvert Comments:



USFS 2300.44

Mason

SE

30

22N

06W

unnamed

Canyon River 22.0377

22.0000

Yes

Physical

Olympic National Forest

Federal

Mason Conservation District

SITE DESCRIPTION

GENERAL LOCATION

Road Name: County:

1/4 Section:

Section:

Range:

Stream:

WRIA:

Fish Use:

OWNER

Name:

Type:

FUP Criteria:

Review Date:

Passability (%)

Repair Status

Field Crew:

Barrier

Method

Problem

Township:

WATERBODY

Tributary To:

Inventory	Site ID:	127S0451	Fish Use: Barrier:	Yes
POSITIONAL DATA WGS 84, decimal de Latitude: Longitude: WA state plane sout East: North:	47.36956 -123.48318	EVALUATION LEVEL CO Report Logged Field Review Threshold Deter Expanded Thres Downstream Ch Physical Survey	mination hold Determination	
North: 755,299 Location / Directions: Water crossing is approximately 0.35 miles SE of the 2300/2300.44 junction. Site Comments: Stream has bypassed culvert and site is a wet crossing on decommissioned road. Culvert is located on left bank and is no longer in stream channel.		SPECIES POTENTIAL Sockeye Pink Chum Chinook Coho Steelhead	Sea Run Cutthroat Resident Trout Dolly/Bull Trout Brook Trout Brown Trout	
PLUNGE POOL DE Length (m) OHW (m) Max Depth (m)	SCRIPTION	POTENTIAL HABITAT G Survey Type: Length (m): Spawning (sq m)	AIN	

Rearing (sq m)

CULVERT DESCRIPTION

LEVEL A ANALYSIS SUMMARY INFORMATION

Sequencer:	0
Shape	
Material	
Span (m)	
Rise (m)	
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

CHANNEL DESCRIPTION



Mason Conservation District

Site ID: 127S0452

PI:

Fish Use:

No

Barrier:

SITE DESCRIPTION **GENERAL LOCATION**

Road Name:	USFS 2300.44
County:	Mason
1/4 Section:	SE
Section:	29
Township:	22N
Range:	06W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.36192	
Longitude:	-123.47857	
WA state plane south (NAD 27, feet)		
East:	1,262,262	
North:	753,783	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Range:

Stream:	unnamed
Tributary To:	Canyon River 22.0377
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

Water crossing is approximately 1.0 mile SE of the 2300/2300.44 junction.

Stream dry at time of survey. Gradient of

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

stream channel is barrier to fish.

Length (m)		
OHW (m)		
Max Depth (m)		
CHANNEL DESCRIPTION		
Toe Width (m)	0.90	
Span/Toe Ratio	0.54	

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)	
Slope (%)	
Bed Material	Yes
Outfall Drop (m)	0.90
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.00
Tidegate	No

Culvert Comments:

Sink hole in center of road directly above culvert. Grade break in culvert.



Mason Conservation District

Site ID:

PI:

127S0453

Fish Use:

No

Barrier:

SIT	ΓF	D	FS	CR	IPT	IO	N
J	_	\boldsymbol{L}	ᆫ	\mathbf{c}	16 1	10	ıv

GENERAL LOCATION Road Name: USFS 2367.2 County: Grays Harbor 1/4 Section: NE Section: 22 Township: 22N Range: 07W

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude: 47.38111		
Longitude:	-123.50927	
WA state plane south (NAD 27, feet)		
East:	1,254,926	
North:	761,070	

EVALUATION LEVEL COMPLETED

	Report Logged
✓	Field Review
	Threshold Determination
	Expanded Threshold Determination
	Downstream Check
	Physical Survey

WATERBODY

Stream:	unnamed
Tributary To:	unnamed 22.0387
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

Location / Directions:

Site Comments:

downstream of culvert.

Water crossing is approximately 0.9 miles SW of the 2367.2/2367 junction.

High gradient stream approximately 30% slope

SPECIES POTENTIAL

Sockeye	Sea Run Cutthroat
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

OWNER

Name:	Olympic National Forest
Type:	Federal

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	3.30	
OHW (m)	2.30	
Max Depth (m)	0.45	
CHANNEL DESCRIPTION		

1.70

0.63

POTENTIAL HABITAT GAIN

Survey Type:	
Length (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	1.06
Rise (m)	1.06
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	1.10
WDIC (m)	0.04
Apron	No
Fill Depth (m)	4.00
Tidegate	No

Culvert Comments:

Toe Width (m)

Span/Toe Ratio

Downstream end of culvert is partially blocked with debris and is deformed.



Mason Conservation District

Site ID:

PI:

127S0454

Fish Use:

No

Barrier:

SITE DESCRIPTION
GENERAL LOCATION

USFS 2367.2 Road Name: Grays Harbor County: ΝE 1/4 Section: 24 Section: 22N Township: 07W

WATERBODY

Range:

Stream:	unnamed
Tributary To:	unnamed 22.0387
WRIA:	22.0000
Fish Use:	No
FUP Criteria:	Physical

OWNER

Name:	Olympic National Forest
Type:	Federal

POSITIONAL DATA

WGS 84, decimal degrees		
Latitude:	47.38174	
Longitude:	-123.50949	
WA state plane south (NAD 27, feet)		
Fact:	1 254 880	

761,302

Location / Directions:

North:

Water crossing is approximately 0.80 miles SW of the 2367/2367.2 junction.

Site Comments:

Small seasonal stream, dry at time of survey. OHW=0.50 meters...

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
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION

Review Date:	6/7/2006
Field Crew:	Glore/Blatt
Barrier	
Passability (%)	
Method	
Repair Status	
Problem	

PLUNGE POOL DESCRIPTION

Length (m)	2.20
OHW (m)	1.70
Max Depth (m)	0.50

CHANNEL DESCRIPTION

Toe Width (m)	0.50
Span/Toe Ratio	1.58

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	1.1
Shape	RND
Material	CST
Span (m)	0.79
Rise (m)	0.79
Length (m)	
Slope (%)	
Bed Material	No
Outfall Drop (m)	0.60
WDIC (m)	0.00
Apron	No
Fill Depth (m)	2.50
Tidegate	No

Culvert Comments:



USFS 2300.44

Mason

SW

29

22N

06W

Mason Conservation District

SITE DESCRIPTION

GENERAL LOCATION

Inventory	Site ID: PI:	127S0455 Fish Barri	
POSITIONAL DATA		EVALUATION LEVEL COMPLETED	
WGS 84, decimal de	grees	Report Logged	
Latitude:	47.36012	✓ Field Review	
Longitude:	-123.47554	Threshold Determination	
WA state plane sout	h (NAD 27, feet)	Expanded Threshold Determine	nation
East:	1,262,988	Downstream Check	
North:	753,099	Physical Survey	
Location / Direction	is:	SPECIES POTENTIAL	

Range:
WATERBODY

Road Name:

1/4 Section:

County:

Section:

Township:

Stream: unnamed Tributary To: Canyon River 22.0377 WRIA: 22.0385 Fish Use: FUP Criteria: Physical

OWNER

Olympic National Forest Name: Federal Type:

Location / Directions:

Water crossing is approximately 2.0 miles S of the 2300/2300.44 junction.

Site Comments:

Road crossing has completely washed away. No man maid barriers in place.

Sockeye	Sea Run Cutthroa
Pink	Resident Trout
Chum	Dolly/Bull Trout
Chinook	Brook Trout
Coho	Brown Trout
Steelhead	

LEVEL A ANALYSIS

SUMMARY INFORMATION	PLUNGE

Review Date:	
Field Crew:	
Barrier	
Passability (%)	
Method	
Repair Status	
Droblom	

PLUNGE POOL DESCRIPTION

Length (m)	
OHW (m)	
Max Depth (m)	
CHANNEL DESCR	RIPTION
CHANNEL DESCR	RIPTION

POTENTIAL HABITAT GAIN

Survey Type:	
ength (m):	
Spawning (sq m)	
Rearing (sq m)	

CULVERT DESCRIPTION

Sequencer:	0
Shape	
Material	
Span (m)	
Rise (m)	
Length (m)	
Slope (%)	
Bed Material	
Outfall Drop (m)	
WDIC (m)	
Apron	
Fill Depth (m)	
Tidegate	

Culvert Comments:

