

STATE OF WASHINGTON  
**DEPARTMENT OF FISH & WILDLIFE**  
**LANDS AND RESTORATION SERVICES PROGRAM**  
Salmonid Screening, Habitat Enhancement &  
Restoration Division (SSHEAR)

**OFF-CHANNEL SITE INVENTORY DATA**

**General Information:**

<b>Region:</b> North Coast	<b>Observer(s):</b> Nettnin
<b>River System:</b> Sol Duc	<b>Date:</b> 4/7/98
<b>Site Identifier:</b> S-313L-09	<b>WRIA:</b> 20.0317 A (P)
<b>River Mile Location:</b> 5.7 mi.	<b>RB/LB:</b> LB
<b>Local Name:</b> Lame Duck Slough	<b>Trib. to:</b> Lake Creek (20.0313)
<b>Legal Description:</b> NE ¼ Sec 24 T30N R13W	<b>County:</b> Clallam
<b>Habitat Type:</b> Terrace tributary	
<b>Landowner:</b> <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - Possible Department of Natural Resources - Possible Merrill and Ring Tree Farm	

**Directions to site:**

North from Forks to MP 202, turn left onto East Lake Pleasant Road, then 1.5 mi. to the end of the county road. There will be a gate, the key can be obtained at the Rayonier Timber Operations Company office in Forks. Continue for 0.9 mile, the road ends at stream 20.0317. There are two abandoned crossing on 20.0317. Cross 20.0317 at the lowest of these (end of the road) and follow the skid trail for about 70 meters across the logged area to S-313L-09.

**Site Overview:**

This low gradient channel source is along the toe of the valley wall and then meanders through a forested wetland. It has a sand/silt substrate. It provides excellent off channel habitat, and coho fry, cutthroat trout fry and cottid use this stream. The first 90 meters are a well-defined channel, and the upper 200 meters are more marsh in nature. A partial cut was allowed in the wetland along the channelized reach. The overstory is still old growth conifer with an understory of vine maple, devils club, salmonberry, and sedges. There are other types of aquatic vegetation in the marshy area.

**Habitat Information:**

**Water source:** Springs and surface runoff

**Intermittent/year-around:** Unknown, possibly year-around

**Estimated flows (cfs):** Lower end: 0.2 - 0.5 Upper end: 0.01 - 0.05  
- On 1/26/99 flows were about 0.2 - 0.5

**Water temperatures:** Lower end: 7.5°C Upper end: 6.5°C  
- Temperature on 1/27/99: Lower end - 7.5°C

**Adjacent stream temperature (Lake Creek):** 7.8°C

**Other water observations:** Clear water

**Site area measurements:**  Indirect  Direct  Combination

Widths: Channel- 1.0 - 2.0 m Pond- ~10 - 30 m Wetlands- ~10 - 30 m

Depths: Channel- 10 - 25 cm Pond- 5 - 15 cm Wetlands- 5 - 15 cm

Total length estimated (includes ponds and wetlands): 350 m

**Total existing habitat area (est.):** 1,000 m<sup>2</sup>

Spawning area: 0 m<sup>2</sup>

Impounded area: 600 m<sup>2</sup>

Other rearing area: 400 m<sup>2</sup>

**Spawning Habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe spawning habitat:** NA

**Rearing habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe pond and other rearing habitat:**

- Has a diversity of woody debris, but mostly small wood less than three inch diameter.
- There are sedges, skunk cabbage and other aquatic vegetation providing cover.
- Upper reach is an impounded wetland with good vegetative and woody debris cover.

**Describe unaccessible habitat:** NA

**Describe wetland:**  Bog  Marsh  Scrub-shrub Wetland  Forested Wetland

- The overstory is made up of large old spruce, cedar, hemlock and alder with an understory of vine maple, salmonberry, devils club and false huckleberry.
- The marsh has scattered alder, salmonberry, devils club, slough sedge and other herbaceous growth.

**Flooding potential:**  Low  Medium  High

#### Fish Information:

**Site entry condition to Lake Creek:**  Poor  Fair  Good

- Excellent egress into large back eddy with woody debris.

**Coho access and use:**

Juvenile-  Unknown  None  Poor  Fair  Good

Adult-  Unknown  None  Poor  Fair  Good

- Both 1+ and 0+ coho fry were observed during the initial survey.
- On 1/27/99 fifty-two 0+ coho presmolts were captured in three minnow traps.

**Other species access and use:**  Chum  Pink  Sockeye  Chinook  Trout

- On 1/27/99 two cutthroat trout fry and four cottid were captured.

#### Habitat Improvements:

**Enhancement opportunities:**

Possible project type:

- Plank weir installation to increase depth and size of impounded wetland
- Maintain the integrity of the stream.

Equipment access: No access

**Additional Comments:** This channels WRIA number was assigned under a previous numbering system.

**Attachments Available:**

**Contact respective SSHEAR habitat biologist for the following checked items:**

- |   |  |   |   |
|---|--|---|---|
| <input type="checkbox"/> Aerials          | <input checked="" type="checkbox"/> Sketch | <input checked="" type="checkbox"/> Maps              | <input type="checkbox"/> Culvert Report |
| <input type="checkbox"/> Other references | <input type="checkbox"/> Spawning surveys  | <input checked="" type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

**NORTH COAST OFF CHANNEL SURVEY**  
**SUBSEQUENT SITE EVALUATION FORM**

River System: Sol Duc

Site No.: S-313L-09

Site Name: Lame Duck Slough

WRIA: 20.0313 ?? (P)

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DATE: 1-27-99

OBSERVER: Darrow/Nettnin

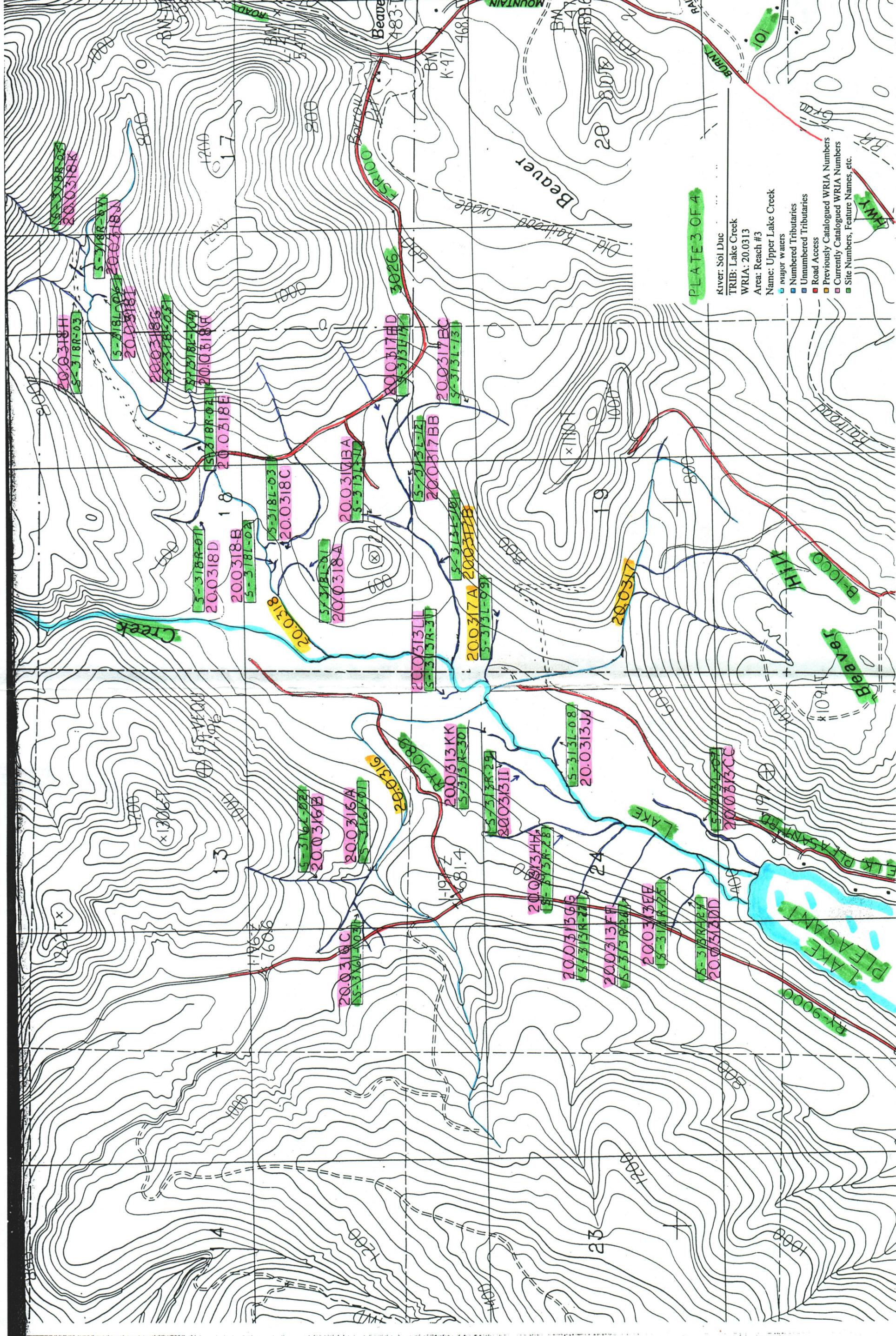
**MINNOW TRAPPING REPORT**

TRAP	DATE		DATE		COHO	CATCH			
	SET	TEMP	PULLED	TEMP		TROUT	COTTID	0+	
						RBT	CUTT		
1	1/26	6.5°C	1/27	7.5°C	4	0	12	0	2
2	1/26	6.5°C	1/27	7.5°C	38	0	7	0	2
3	1/26	6.5°C	1/27	7.5°C	10	0	1	0	0
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<b>TOTALS:</b>					52	0	20	0	4

**COMMENTS:**

- Trap 1 was placed about 50 meters upstream from the mouth in a - 50 cm deep pool with woody debris, bank overhang and sedges for cover.
- Trap 2 was placed about 50 meters above trap number one in 20 - 30 cm deep channel within a wide, wetted, sedge and water parsley covered reach of the channel.
- Trap 3 was placed at the upper end of the channel in a wide, wetted, sedge and water parsley covered wetland.
- All traps were baited with salmon roe.
- Overhead cover is provided by salmonberry, vine maple, stink berry, mature alder, hemlock and spruce.





**PLATE 3 OF 4**

- River: Sol Duc
- TRIB: Lake Creek
- WRIA: 20.0313
- Area: Reach #3
- Name: Upper Lake Creek
- Major waters
- Numbered Tributaries
- Unnumbered Tributaries
- Road Access
- Previously Cataloged WRIA Numbers
- Currently Cataloged WRIA Numbers
- Site Numbers, Feature Names, etc.

101

1000

1000

1000

1000

1000

1000

17

18

13

24

23

23

20.0318H

20.0318D

20.0316C

20.0313G

20.0313F

20.0318K

20.0318G

20.0318B

20.0316A

20.0313E

20.0313D

20.0318J

20.0318F

20.0318E

20.0316B

20.0313F

20.0313C

20.0318I

20.0318A

20.0318C

20.0316A

20.0313H

20.0313A

20.0318L

20.0318A

20.0318C

20.0316A

20.0313H

20.0313A