

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:

Region: North Coast	Observer(s): Nettnin
River System: Sol Duc	Date: 3/23/98
Site Identifier: S-0316	WRIA: 20.0316
River Mile Location: 5.6mi.	RB/LB: RB
Local Name: Unnamed	Trib. to: Lake Creek (20.0313)
Legal Description: NE ¼ Sec 24 T30N R13W	County: Clallam
Habitat Type: Upper Valley Wall Trib	
Landowner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private	
- Department of Natural Resources	
- Possibly Rayonier Timber Operations Company	
- Possibly Merrill and Ring Tree Farm	

Directions to site:

North from Forks on highway 101 to MP 200.5. Turn left onto West Lake Pleasant Road, then bear to the right just past the bridge over Lake Creek. Continue for about 2.9 miles (the county road ends at 1.0 mile and the 9000 Line begins) to the 9089, the road to the right at the top of the hill. A key can be obtained at the Rayonier Timber Operations Company Office in Forks. Follow the road to the bottom of the hill. The bridge crosses S-0316 (20.0316).

The upper end of 20.0316 can be accessed by parking at the junction of the 9089/9000 and walk up the 9000 about 0.1 mile to the next stream crossing. This is 20.0316.

Site Overview:

This valley wall tributary drains about 450 - 500 acres of commercial forest. Most of the forest has been harvested. The channel sources at 1600 feet on the southeast flank of Tye Ridge. It flows through a V-notch valley to the main valley floor at an elevation of about 400 feet. The 600-meter reach from Lake Creek to the toe of the ridge has a gradient of less than 5%. This reach has quality gravel and conditions for coho spawning. The next 200 meters has a gradient of 5 - 10%. Upstream of that point, the next 400 meters (up to the 9000 line) are 10 - 15%. The culvert under the 9000 road forms a barrier with a 13-foot plunge. There is a satisfactory RMZ from Lake Creek to the 9000. The RMZ has both young and mature trees, however, there is more deciduous than conifers.

Habitat Information:

Water source: upper and lower valley wall tributaries

Intermittent/year-around: Intermittent

Estimated flows (cfs): Lower end: 2.0 - 4.0 Upper end: 2.0 - 3.0

Water temperatures: Lower end: 7.5°C Upper end: 6.5°C

Adjacent stream temperature (Lake Creek): 8.0°C

Other water observations: Clearwater

Site area measurements: Indirect Direct Combination

Widths: Channel- 3.0 - 5.0 m Pond- NA Wetlands- NA

Depths: Channel- 10 - 60 cm Pond- NA Wetlands- NA

Total length estimated (includes ponds and wetlands): 1400 m

- There is ~ 1100 meters above the 9000 road that was not surveyed.

Total existing habitat area (est.): 5, 220 m²

Spawning area: 3100 m² Tributaries: 120 m² Total: 3220 m²

Impounded area: 0 m² Tributaries: 0 m² Total: 0 m²

Other rearing area: 1200 m² Tributaries: 1200 m² Total: 2000 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Good grade of gravel throughout the stream.
- Gradient is less than 5%
- Where the gradient is greater than 7%, there is good spawning conditions for trout.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The only slack water associated with this channel is in the deeper pools.
- Ninety five percent of the channel is well shaded by conifer and alder.
- Fair amount of woody debris in the channel. Some amount of wood over the channel.
- Overhanging brush provides some cover along the banks.

Describe unaccessible habitat:

- The habitat above the 9000 road has not been surveyed.
- There is an approximate 1100 meters of linear channel upstream of the 9000.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

Flooding potential: Low Medium High

- This valley wall tributary is susceptible to flashy flows.

Fish Information:

Site entry condition to Lake Creek: Poor Fair Good

- Open and accessible.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- 0+ and 1+ coho fry were observed up to the bridge.
- There is a spawner index on this stream.
- Spawner survey data is available from the Quileute tribe and WDFW.

Other species access and use: Chum Pink Sockeye Chinook Trout

- It is assumed that some of the fry observed were trout and possibly sockeye.
- 15 - 20 cm trout was observed below the 9000 road.
- The channel is open and available to all species.

Habitat Improvements:

Enhancement opportunities:

- Possible project type:
- Possible culvert project.
 - Maintain the integrity of the stream.
- Equipment access: Access on the 9000 road.

Additional Comments: G.P.S. coordinates for several features were taken on this stream they are as follows: the confluence of 20.0316 and 20.0313 east 1,070,278, north 1,028,098; the bridge on road 9089 east 1,070,160, north 1,029,186; a point on the hard bend to the west east 1,070,121, north 1,029,500; the confluence of S-316L-01 east 1,068,228, north 1,029,668 and the culvert at the 9000 Road east 1,067,568, north 1,028,951.

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 checked="" 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-0316
Site Name: Unnamed
WRIA: 20.0316

DATE: 4/13 - 4/14/99

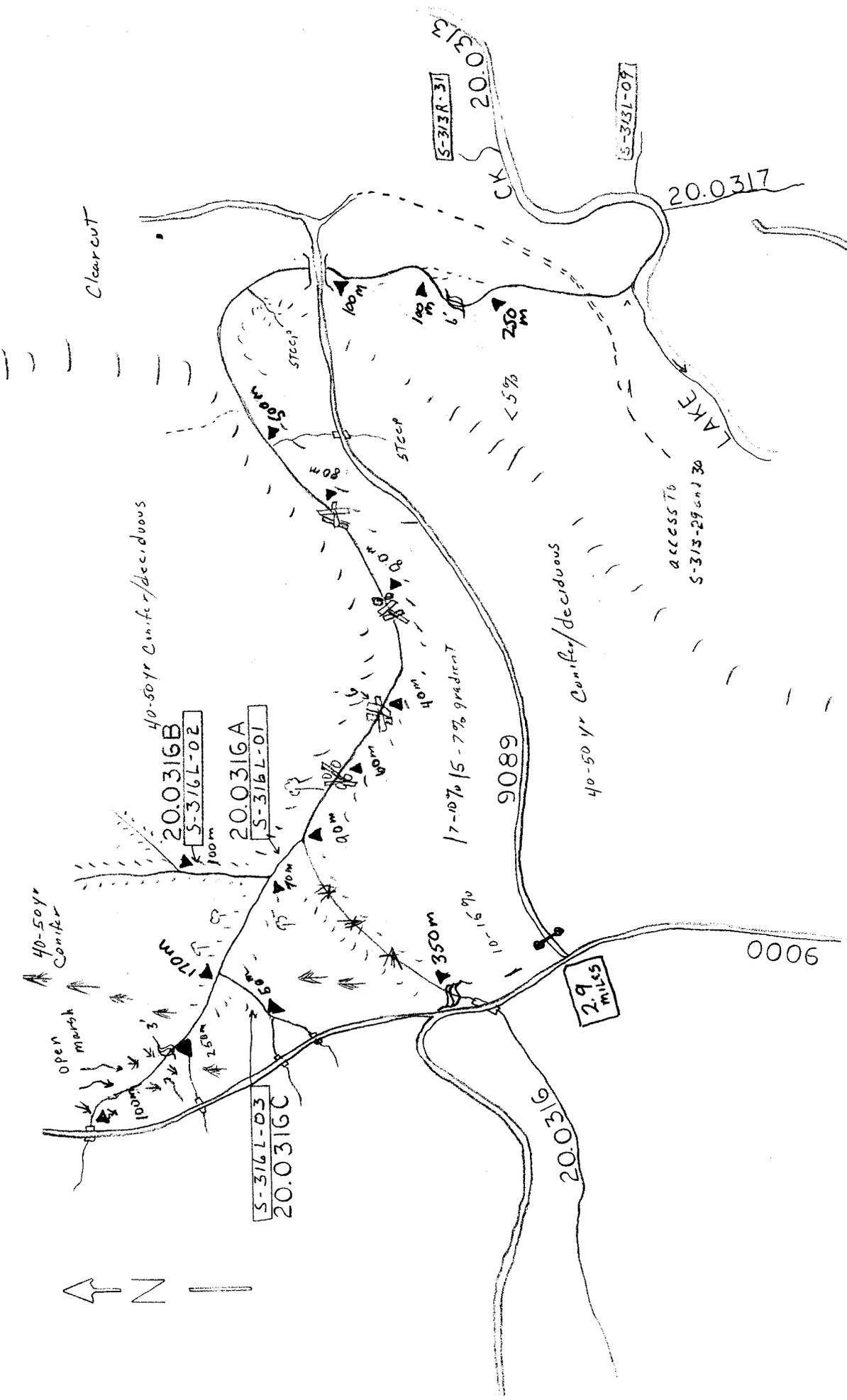
OBSERVER: Darrow, Nettnin

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT		0+	
						RBT	CUTT		
1	4/13	4.5°C	4/14	4.5°C	0	0	3	0	0
2	4/13	4.5°C	4/14	4.5°C	0	0	2	0	0
3	4/13	5.0°C	4/14	4.5°C	0	0	2	0	0
4	4/13	4.5°C	4/14	4.5°C	0	0	1	0	0
TOTALS:					0	0	8	0	0

COMMENTS:

- Trap one was placed in the plunge pool of the culvert under the 9000 Line. Fish ranged from 90 - 135 mm.
- Trap two was placed about 50 m below the 9000 Line. Fish ranged from 85 - 120 mm.
- Trap three was placed about 100 m below the 9000 Line. Fish ranged from 90 - 135 mm.
- Trap four was placed 200 m below the 9000 Line near a large boulder. The fish was about 145 mm.
- All traps were baited with salmon roe.



River: Sol Duc
 TRIB: Lake Creek
 WRIA: 20.0313
 Area: S-313R
 Site: 20.0316
 Name: Unnamed trib to Lake Creek

Access FROM
 E. LK. PLEASANT RD.
 SEE S-313L-07

