

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-316L-01 | WRIA: 20.0316A (P) |
| River Mile Location: 0.8 mi. | RB/LB: LB |
| Local Name: Unnamed | Trib. to: 20.0316 |
| Legal Description: SW ¼ Sec 13 T30N R13W | County: Clallam |
| Habitat Type: Lower Valley Wall Trib. | |

Landowner: Federal State County Other Government Private

- Department of Natural Resources
- Possibly Rayonier Timber Operations Company
- Possibly Merrill and Ring Tree Farm

Directions to site:

Go 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. Just past the 9089, stream 20.0316 crosses under the 9000. The next three cross drains flow into S-316L-01.

Site Overview:

This valley wall tributary drains about 100 acres of commercial forest. Most of the forest has been harvested. It sources in a small wetland located in a saddle on the divide between the Hoko drainage and Lake Creek. The channel flows through a V-notch valley to 20.0316 at a gradient of up to 12%. There is a satisfactory RMZ composed of predominantly ~ 30 years old, deciduous trees changing to a conifer forest at the slope break. The inner gorges are unstable and show signs of past slope failures which continue to creep downslope.

Habitat Information:

Water sources: Springs from side slope wetland and lower valley wall tributaries

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

Estimated flows (cfs): Lower end: 0.2 - 0.7 Upper end: 0.03 - 0.05

Water temperatures: Lower end: 5.0°C Upper end: 5.5°C

Adjacent stream temperature (20.0316): 5.0°C

Other water observations: Clearwater

Site area measurements: Indirect Direct Combination

Widths: Channels - 1.0 - 3.0 m

Ponds - NA

Wetlands - 30 m

Depths: Channels - 5 - 25 cm

Pond - NA

Wetlands - 5 - 10 cm

Total length estimated (includes ponds and wetlands): 500 m

Total existing habitat area 1,300 m²

Spawning area: 50 m²

Tributaries: 70 m²

Total: 120 m²

Impounded area: 0 m²

Tributaries: 0 m²

Total: 0 m²

Other rearing area: 950 m²

Tributaries: 260 m²

Total: 1200 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Limited to outlets of pools by boulders and rubble.
- Gradient is 10 - 12%
- Spawning conditions favor 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.
- The riparian is made up of alders with several open areas that have dense salmonberry.
- Fair amount of woody debris and boulders in the channel.
- Overhanging brush provides some cover along the banks.

Describe unaccessible habitats: NA

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- This was a forested side slope wetland that has been logged. It now is open. Alder and conifer are reforesting the area.
- There are several seeps and small shallow channels in the wetland.

Flooding potential: Low Medium High

- This valley wall tributary is susceptible to flashy flows.

Fish Information:

Site entry condition to 20.0316: Poor Fair Good

- Egresses into a pool formed by woody debris and boulders.
- Open and accessible.

Coho access and use:

Juvenile - Unknown None Poor Fair Good

Adult - Unknown None Poor Fair Good

- On 4/13/ - 4/14/99 four minnow traps were set and fished -no coho were captured.

Other species access and use: Chum Pink Sockeye Chinook Trout

- It is assumed that trout use this stream.
- The channel is open and available to all species.
- On 4/13 - 4/14/99 four minnow traps were set and fished. Three cutthroat trout were captured.

Habitat Improvements:

Enhancement opportunities:

Possible project type:
- maintain the integrity of the stream.
Equipment access: No access

Additional Comments: G.P.S. coordinates were taken are as follows: the confluence of S-316L-01 and 20.0316, east 1,068,228, north 1,029,668; the confluence of S-316L-01 and S-316L-02 east 1,068,105, north 1,030,111; the confluence of S-316L-01 and S-316L-03 east 1,067,690, north 1,030,073; the end of survey for S-316L-01 east 1,067,256, north 1,303,781

Attachments Available:

Contact a 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-316L-01
Site Name: Unnamed
WRIA: 20.0316A

DATE: 4/13 - 4/14/99

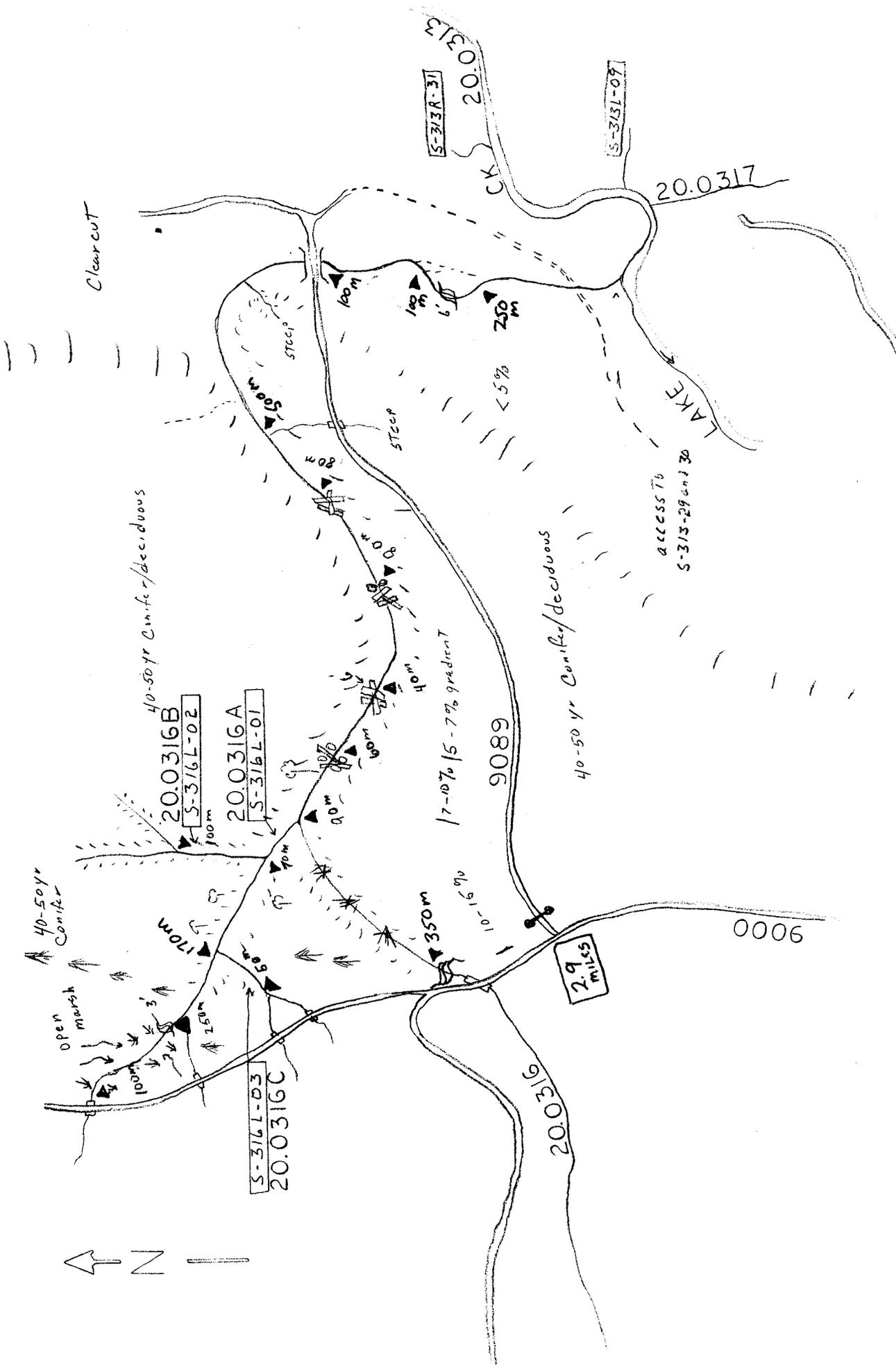
OBSERVER: Darrow, Nettnin

MINNOW TRAPPING REPORT

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

COMMENTS:

- Trap one was placed about 20 meters upstream of the confluence with 20.0316. Fish ranged from 89 - 112mm
- Trap two was placed at the confluence of S-316L-01 and S-316L-02. The fish was about 115 mm
- Trap three was placed just below the wetland at the upper end.
- Trap four was placed in the wetland at the upper end. One N. W. salamander was captured.
- 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
 Elk Pleasant Rd.
 see S-3131-07

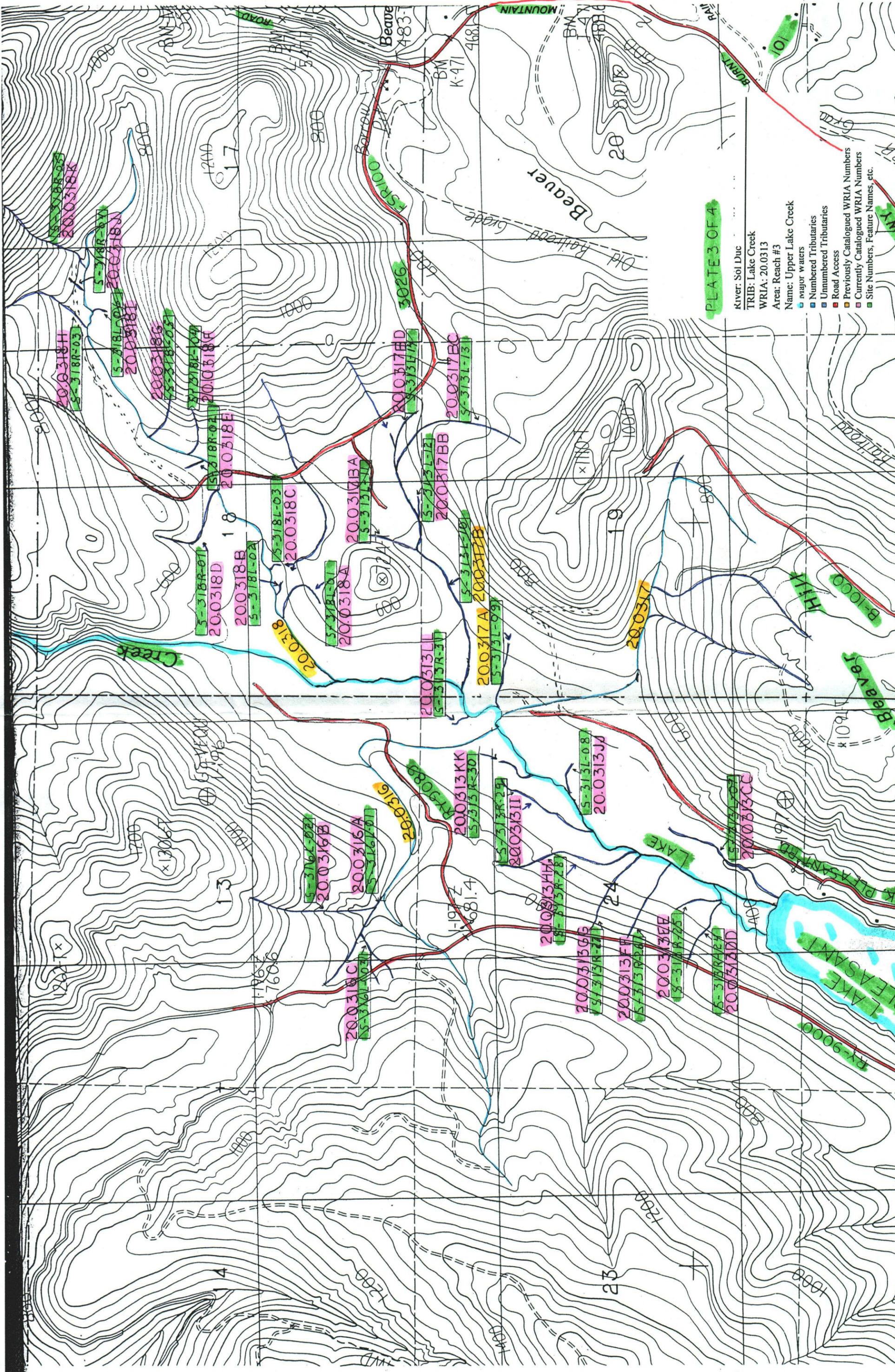


PLATE 3 OF 4

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

20.0318K
S-318R-03
S-318R-04
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