

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> Nettin
<b>River System:</b> Sol Duc	<b>Date:</b> 2/24/99
<b>Site Identifier:</b> S-313R-26	<b>WRIA:</b> 20.0313FF (P)
<b>River Mile Location:</b> 5.1	<b>RB/LB:</b> RB
<b>Local Name:</b> Unnamed	<b>Trib. to:</b> Lake Creek (20.0313)
<b>Legal Description:</b> SE¼ Sec24 T30N R13W	<b>County:</b> Clallam
<b>Habitat Type:</b> Valley Wall Tributary	
<b>Landowner:</b> <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - Possibly Rayonier Timber Operations Company	

**Directions to site:**

North from Forks (Hwy 101) 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 0.1 miles, there is a trail off to the left (marked with flagging). Follow the trail to the valley floor past the large spruce trees. Cross S-313L-07 and continue to follow the pink flagging to Lake Creek. Cross Lake Creek and continue up the right bank until a right bank braid of Lake Creek is encountered (120 meters from the lake). Cross the braid and continue upstream on the right bank for about 250 meters (above the beginning of the braid) to S-313R-26.

**Site Overview:**

This is a short, steep valley wall tributary. The channel has an excellent egress and the lower 70 meter reach is low gradient which is partially back watered. The next 70 meter reach is an alluvial fan with an associated small pool. The upper reach flows through a narrow V-notch valley. The channel continues up the valley wall where the 9000 mainline crosses it. This crossing is beyond usable fish habitat. The overall usable gradient is 5 - 30%. There is an adequate RMZ that provides shade for about 80% of the channel. This channel appears to have excellent trout habitat and provides off channel, overwinter rearing opportunities for coho.

**Habitat Information:**

**Water source:** Springs and surface runoff

**Intermittent/year-around:** Unknown, probably intermittent.

**Estimated flows (cfs):** Lower end: 0.1 - 0.2 Upper end: 0.2 - 0.3  
- On 3/20/98 the flow was 0.1 - 0.4

**Water temperatures:** Lower end: 6.0°C Upper end: 6.5°C  
- On 3/20/98 the temp was 8.5°C

**Adjacent stream temperature (Upper Lake Creek):** 5.5°C  
- On 3/20/98 Lake Creek was 8.0°C

**Other water observations:**

- Clear water
- This stream crosses the 9000 mainline and is subject to mud and silt generated by traffic

**Site area measurements:**  Indirect  Direct  Combination

Widths: Channel- 1.0 - 2.0 m Ponds- NA Wetlands- NA  
Depths: Channel- 3 - 20 cm Ponds- NA Wetlands- NA  
Total length surveyed (includes ponds and wetlands): 190 m

**Total existing habitat area (est.):** 300 m<sup>2</sup>

Spawning area: 10 m<sup>2</sup>  
Impounded area: 0 m<sup>2</sup>  
Other rearing area: 290 m<sup>2</sup>

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

**Describe spawning habitat:**

- Small to medium gravel and shallow water favors trout.

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

**Describe pond and other rearing habitat:**

- The lower 70 meters are low gradient and small pools.
- This reach does lack cover.
- The small pool associated with the alluvial fan is shallow and lacks cover.
- Good overhead shade is provided by spruce, cedar, alder, salmonberry and other brush.

**Describe unaccessible habitat:**

- There is not any usable fish habitat above the gradient break.

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

- No associated wetland with this site.

**Flooding potential:**  Low  Medium  High

- Flashy flows from within the stream.
- The lower reach backwaters from Lake Creek.

**Fish Information:**

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

- This stream enters in a back eddy of Lake Creek.

**Coho access and use:**

Juvenile-  Unknown  None  Poor  Fair  Good  
Adult-  Unknown  None  Poor  Fair  Good  
- The access is good for coho.  
- on 3/20/98, numerous 0+ coho fry was observed.

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

- Other species were not observed during the survey. The egress is open and available to them.

**Habitat Improvements:**

**Enhancement opportunities:**

- Convince Rayonier they need to put a hard surface on the mainline.
- Maintain integrity of the channel

**Additional Comments:**

- G.P.S. points:

Begin survey: East 1,026,052.0 ft; North 1,068,427.6 ft.

End survey (at a length of 190 meters): East 1,026,255.2 ft; North 1,068,025.2 ft

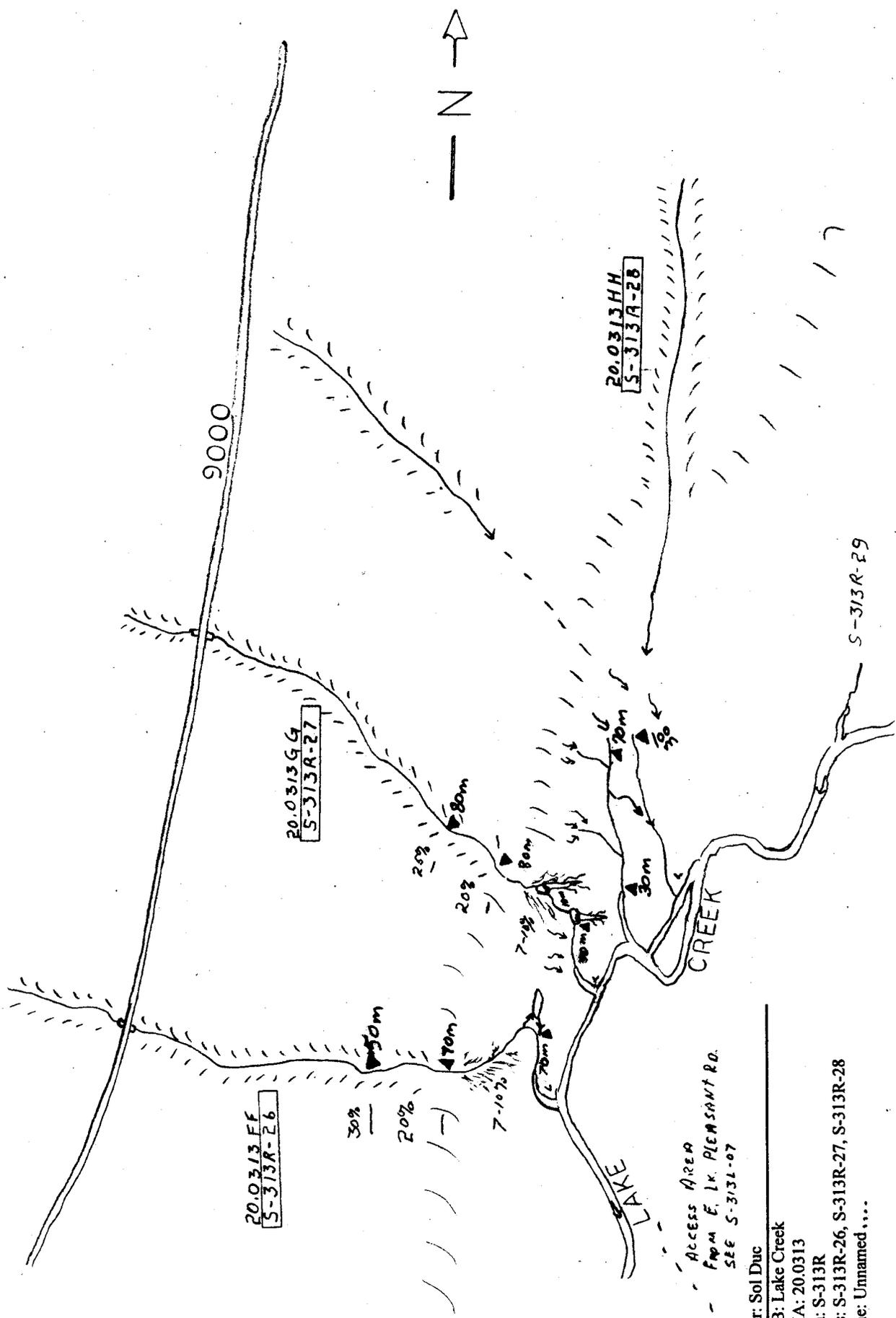
-This channel was partially surveyed on 3/20/98. Since gradient guide lines changed and G.P.S. points were necessary, this channel was reexamined.

**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 type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

# TYEE HILL



ACCESS AREA  
 FROM E. LK. PLEASANT RD.  
 SEE S-3131-07

River: Sol Duc  
 TRIB: Lake Creek  
 WRIA: 20.0313  
 Area: S-313R  
 Sites: S-313R-26, S-313R-27, S-313R-28  
 Name: Unnamed....

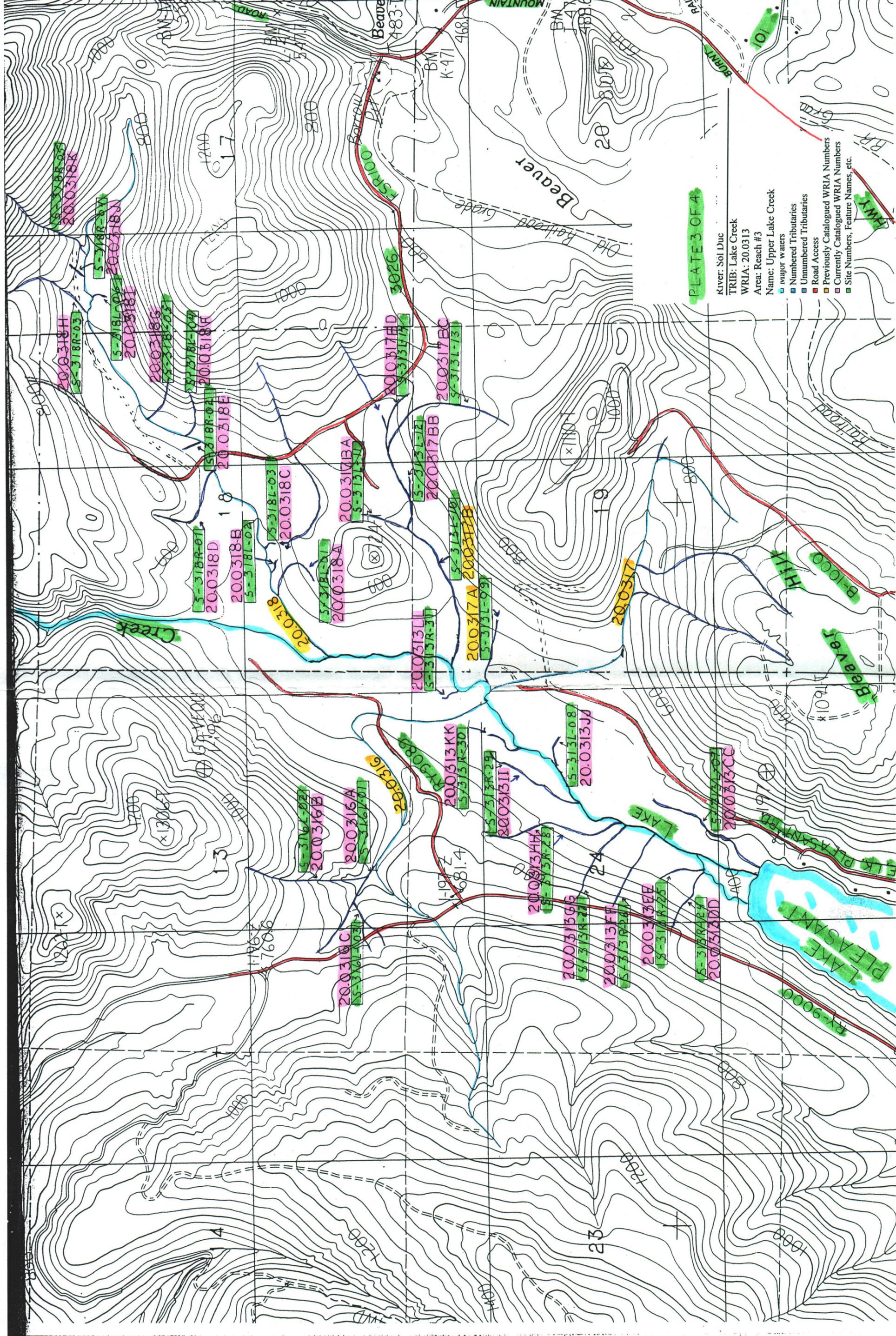


PLATE 3 OF 4

- 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 Catalogued WRIA Numbers
- Currently Catalogued WRIA Numbers
- Site Numbers, Feature Names, etc.

HWY

RAILROAD

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