

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): Nettin
River System: Sol Duc	Date: 4/2/98
Site Identifier: S-313L-10	WRIA: 20.0317B
River Mile Location: 6.0 mi.	RB/LB: LB
Local Name: Death Valley Creek	Trib. to: Lake Creek (20.0313)
Legal Description: NW ¼ Sec 19 T30N R12W	County: Clallam
Habitat Type: Lower 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 - Possible Rayonier Timber Operations Company	

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 Lake Creek bridge. Continue for about 2.9 miles (the county road ends at 1.0 mile and the 9000 line begins) to the 9089, which is the road to the right at the top of the hill. There will be a gate; a key can be obtained at the Rayonier Timber Operations Company Office in Forks. Follow the road to the bottom of the hill, cross the bridge and bear right. Walk out the skid road to Lake Creek on a bearing of about N 80 E. There will be a spring channel in the RMZ of Lake Creek. This is S-313R-26. Follow Lake Creek upstream for about 200 meters. S-313L-10 is a left bank tributary.

The upper reaches can be accessed by going to Sappho (via Hwy 101) and turning left onto the Burnt Mountain Road (SR 113). Just past the bridge over Beaver Creek, turn left and drive through the rock pit. **WATCH FOR EQUIPMENT CROSSING !!** Continue for about a mile to a recent clear-cut and turn left. Follow the road down to the end. S-313R-10 flows along the SE boundary of the unit.

Site Overview:

According to Roger Lein (Quileute Tribal Biologist) and Roger Mosley (WDFW), this tributary is one of the most productive in the Quillayute River system. It has supported up to twenty-five percent of the total spawning escapement for the entire river system. The average flows are between 1.0 - 2.0-cfs, and the channel is 1 to 3 meters wide and is 10 to 20-centimeter deep. The first 600 meters is pool/riffle habitat with a two to five percent gradient. The channel then cuts through a bedrock and boulder canyon which has a seven to ten percent gradient. It then moderates to five percent gradient as it opens into a wetland complex. From this point upstream, four small tributaries enter the channel. All of the channels support spawning and rearing of fry. This tributary drains approximately 200 acres of timberland. Most of the watershed was logged prior to the 1950's and about 60 acres has recently been logged again.

Habitat Information:

Water source: Springs, upper and lower valley wall tributaries

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

Estimated flows (cfs): Lower end: 0.5 - 1.0 Upper end: 0.1 - 0.2

Water temperatures: Lower end: 5.5°C Upper end: 6.5°C

Adjacent stream temperature (Lake Creek): 6.5°C

Other water observations: Clearwater

Site area measurements: Indirect Direct Combination

Widths: Channel- 1.0 - 3.0 m Pond- NA Wetlands- 3 m

Depths: Channel- 10 -20 cm Pond- NA Wetlands- 10 - 20 cm

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

- There are an additional 800 m of tributaries.

Total existing habitat area (est.): 3,550 m²

Spawning area: 2,000m² Tributaries: 250 m² Total: 2,250 m²

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

Other rearing area: 800 m² Tributaries: 500m² Total: 1,300 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- There is a good grade of gravel throughout the stream.
- Gradient is less then 7% for the majority of the stream.
- Where the gradient is greater 7%, there are good spawning conditions for trout.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- There is little slack water associated with this channel.
- Ninety-five percent of the channel is well shaded by conifer and alder.
- There is an adequate amount of woody debris in the channel and some suspended over the channel,
- Overhanging brush provides some cover along the banks.

Describe unaccessible habitat: NA

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- The area just above the canyon was inundated by beaver activity at one time. The dams have breached and the stream has incised most of the previous impounded area. There are some wet spots scattered in this area.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to Lake Creek: Poor Fair Good

- Enters in a small pool under tree roots and woody debris for cover.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- 0+ and 1+ coho fry were observed throughout this channel.
- 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. The channel is open and available to all species.

Habitat Improvements:

Enhancement opportunities:

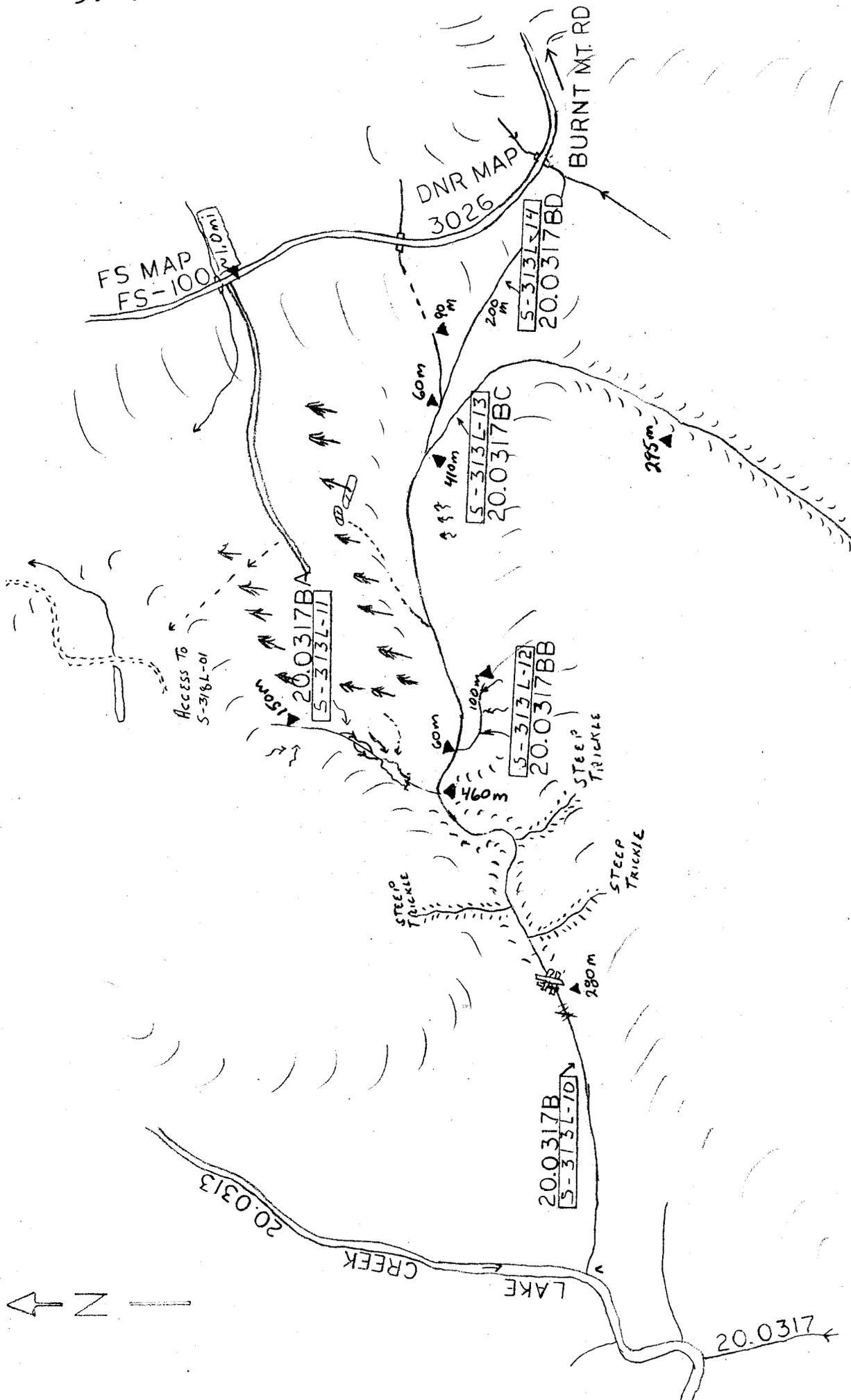
Possible project type:
- Maintain the integrity of the stream.
Equipment access: No access

Additional Comments:

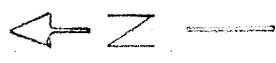
Attachments Available:

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



River: Sol Duc
 TRIB: Lake Creek
 WRIA: 20.0313 AREA: S-313L
 Site: S-313L-10, S-313L-11, S-313L-12,
 S-313L-13, S-313L-14
 Names: Death Valley Cr., Unnamed....



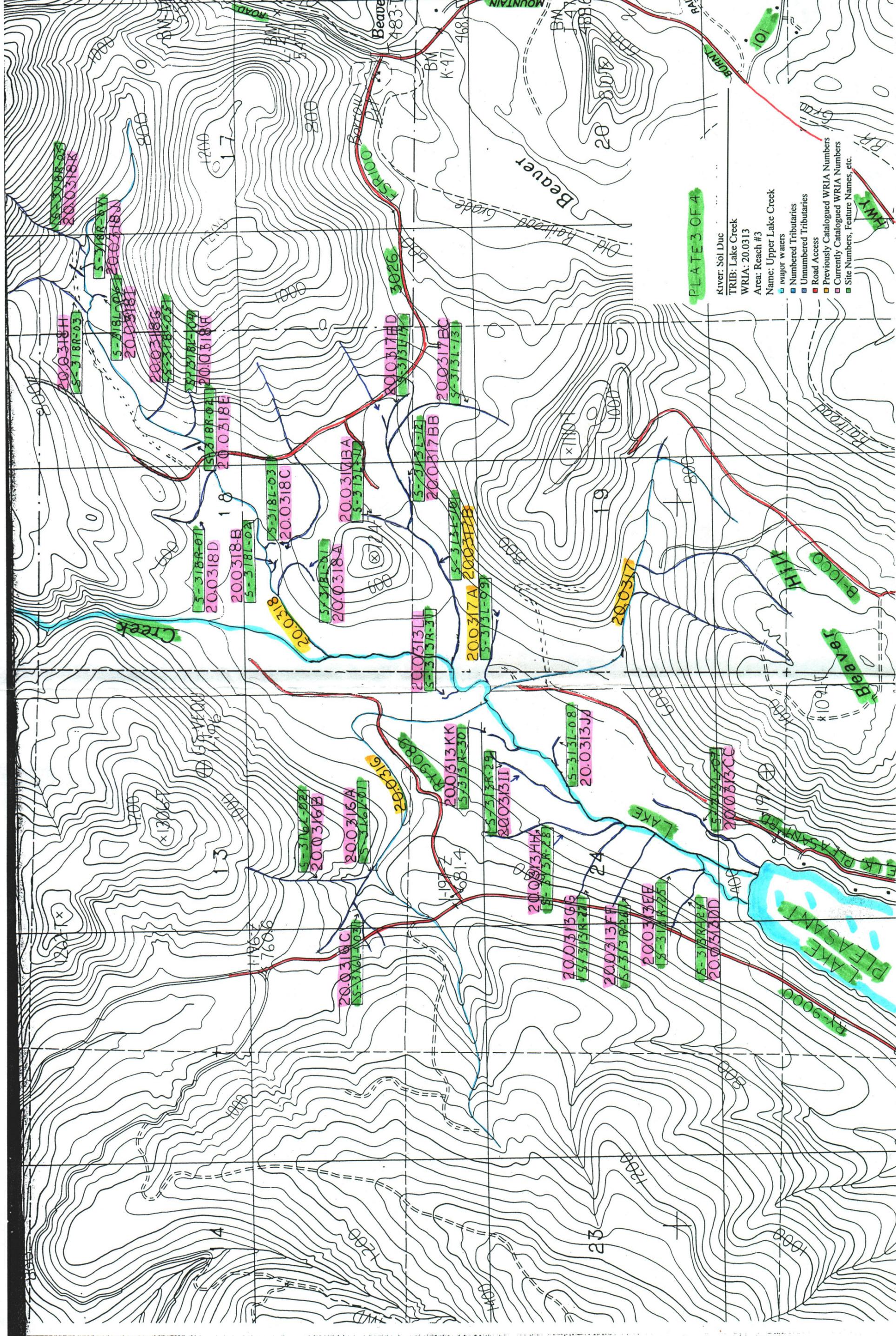


PLATE 3 OF 4

- 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