

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: 2/19/98
Site Identifier: S-313L-05	WRIA: 20.0313BB (P)
River Mile Location: 3.9	RB/LB: LS (Left Shore)
Local Name: Quandary Creek	Trib. to: Lake Pleasant (20.0313)
Legal Description: SW¼ Sec25 T30N R13W	County: Clallam
Habitat Type: Terrace Tributary - This trib. sources on the upper valley wall. The majority of the system and usable habitat are more reflective of a terrace tributary.	
Landowner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - Possibly Rayonier Timber Operations Company - Department of Natural Resources	

Directions to site:

North from Forks on HWY 101 to MP 202, turn left onto East Lake Pleasant Road. Travel 0.7 mi. to a gravel road to the right. There is a culvert crossing just past the road. This is S-313L-05.

Site Overview:

This system drains about 80 acres of forested land. About 60 acres have been harvested at this time. The lower 300-meter reach is low gradient and has numerous beaver dams. There is no RMZ on this reach. However, stream side vegetation is providing some shade. The vegetation consists of salmonberry, vine maple, hemlock, spruce, alder and willow. Trout and coho fry have been verified above the wetlands.

Habitat Information:

Water source: Tribs, springs and surface runoff

Intermittent/year-around: Unknown - probably year-around.

Estimated flows (cfs): Lower end: 0.5 - 1.5 Upper end: 0.25 - 0.5

Water temperatures: Lower end: 7.5°C Upper end: 8.0°C

Adjacent lake temperature: 7.0°C

Other water observations: Slight tannic color

Site area measurements: Indirect Direct Combination

Widths: Channel- 0.5 - 4.0 m Ponds- 2 - 25 m Wetlands- 30 m

Depths: Channel- 10 -15 cm Ponds- 30 - 90 cm Wetlands- 30 - 90 cm

Total length surveyed (includes ponds and wetlands): 600 m

Total existing habitat area (est.): 1,500 m²

Spawning area: 10 m²

Impounded area: 1,340 m²

Other rearing area: 150 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- It appears that spawning habitat is limited to trout. The lower reach spawning areas are impacted by beaver dams. In the upper reach, the gradient steepens and has small concentrations of gravel.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- Numerous beaver ponds with bank overhangs, woody debris, and overhanging brush.
- Good cover is provided by woody debris from logging operations.
- No over head shade due to removal of all trees. Alder, salmonberry and other brush are beginning to create some shade.
- The areas where old beaver dams have failed are well vegetated with rushes and sedges.

Describe unaccessible habitat:

- The culvert under the East Lake Pleasant county road may not be a total blockage but the velocity (1.4 m/sec) indicates that it is a barrier at times. I captured one 10-inch cutthroat trout and two juvenile coho above the culvert. There is about 1,200 m² of good to excellent rearing habitat above the culvert, and the entire spawning habitat.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- This may not be true wetland since it is impacted by beaver dams.
- The area is braided channels between sedges and shallow waters with aquatic vegetation.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to Lake Pleasant: Poor Fair Good

- The channel enters the lake in a small cove that has woody debris. The canopy cover is dense willow and alder.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- On 2/24/98 six traps were set in the system: seven coho were captured. Five below the county road, but above several beaver dams. Two were caught in the left bank tributary.

Other species access and use: Chum Pink Sockeye Chinook Trout

- On 2/24/98 six traps were set in the system: three cutthroat trout were captured.

Habitat Improvements:

Enhancement opportunities:

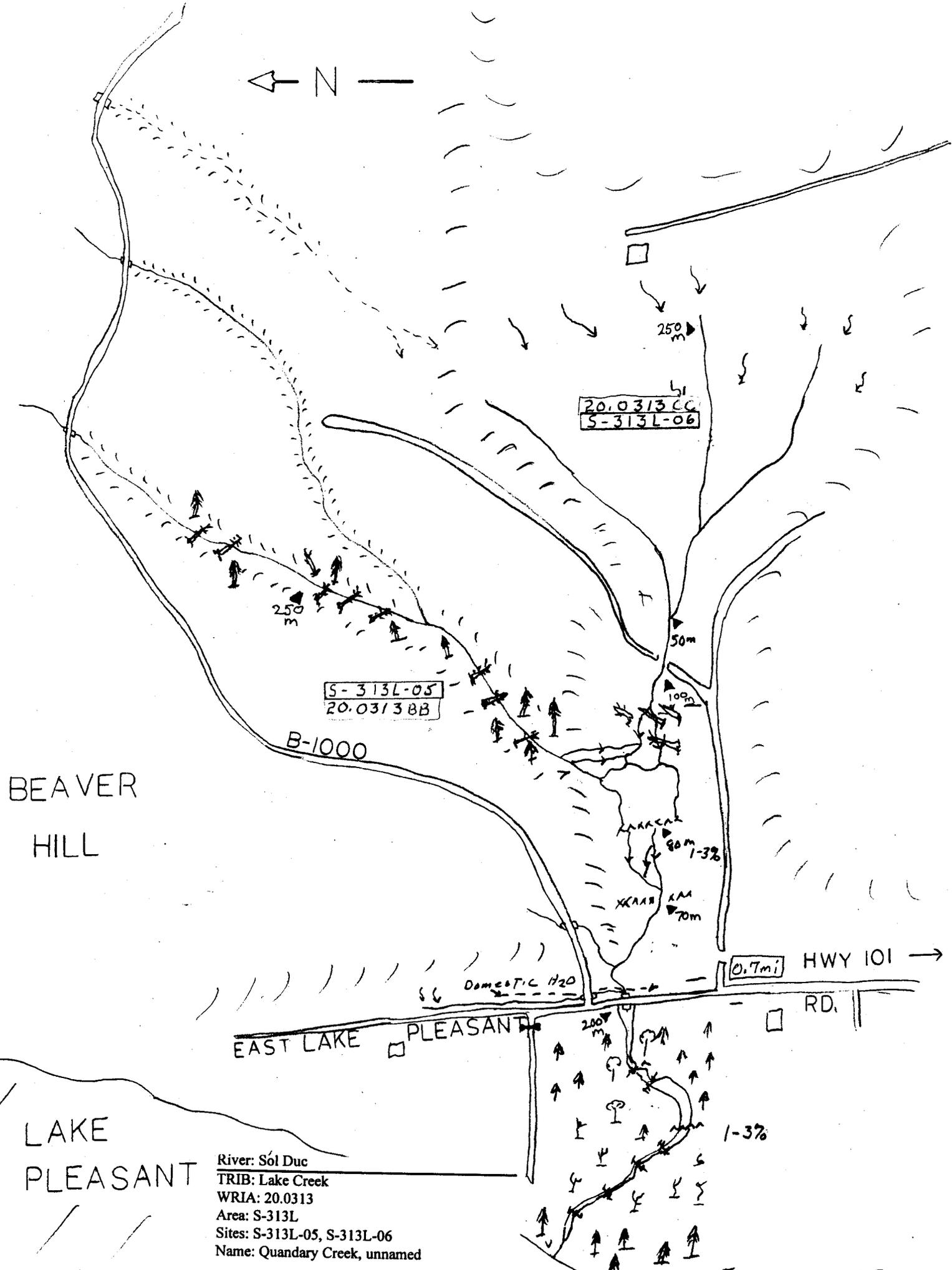
- Replace county culvert if needed
- Maintain integrity of the channel

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 checked="" 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 |



BEAVER
HILL

LAKE
PLEASANT

River: Sol Duc
TRIB: Lake Creek
WRIA: 20.0313
Area: S-313L
Sites: S-313L-05, S-313L-06
Name: Quandary Creek, unnamed

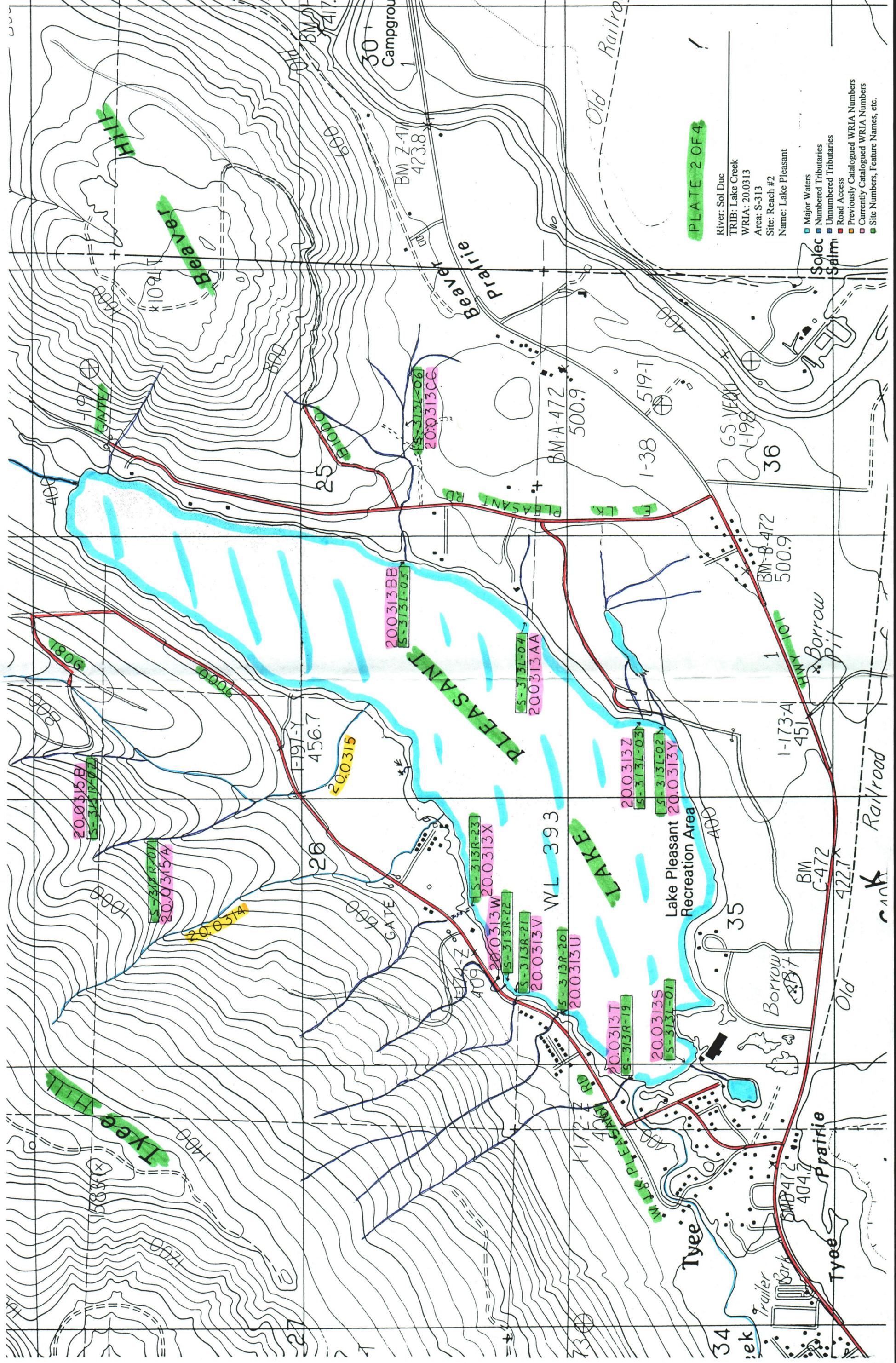


PLATE 2 OF 4

River: Sol Duc
 TRIB: Lake Creek
 WRIA: 20.0313
 Area: S-313
 Site: Reach #2
 Name: Lake Pleasant

- Major Waters
- Numbered Tributaries
- Unnumbered Tributaries
- Road Access
- Previously Catalogued WRIA Numbers
- Currently Catalogued WRIA Numbers
- Site Numbers, Feature Names, etc.

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