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: 2/24/99

Site Identifier: S-313R-24

WRIA: 20.0313DD (P)

River Mile Location: 4.9

RB/LB: RB

Local Name: Unnamed

Trib. to: Lake Creek (20.0313)

Legal Description: SW¼ Sec24 T30N R13W

County: Clallam

Habitat Type: Valley Wall Tributary

Landowner: () Federal () State () County () Other Government (X) Private
- Possibly Rayonier Timber Operations Company

Directions to site:
North from Forks (Hwy 101) to MP 202, turn left onto East Lake Pleasant Road and 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, 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 mouth). Cross the braid into the wetland. S-313R-24 flows into the lower portion of the wetland, 10 -20 meters below the beginning of the braid.

Site Overview:
This is a short, steep valley wall tributary. The lower 60-meter reach is a braided alluvial fan that is characterized as a side slope wetland. The next 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 - 18%. 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, over winter rearing opportunities for coho.

Habitat Information:

Water source: Springs and surface runoff

Intermittent/year-around: Unknown, probably intermittent.

Estimated flows (cfs): Lower end: 0.2 - 0.5 Upper end: 0.2 - 0.5
- On 3/19/98 the flow was 0.1 - 0.2

Water temperatures: Lower end: 6.0°C Upper end: 6.5°C
- On 3/19/98 the temp was 9.0 °C

Adjacent stream temperature (Upper Lake Creek): 5.5°C
- On 3/19/98 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 (X) Combination

Widths:	Channel- 1.0 - 2.0 m	Ponds- NA	Wetlands- 50 m
Depths:	Channel- 5 - 15 cm	Ponds- NA	Wetlands- 5 - 15 cm

Total length surveyed (includes ponds and wetlands): 170 m

Total existing habitat area (est.): 250 m²

Spawning area: 10 m²
Impounded area: 0 m²
Other rearing area: 240 m²

Spawning Habitat conditions: () None () Poor (X) Fair () Good () Excellent

Describe spawning habitat:

- Small to medium gravel and shallow water favors trout spawning.

Rearing habitat conditions: () None () Poor () Fair (X) Good () Excellent

Describe pond and other rearing habitat:

- The lower 60 meters is moderate in gradient and has small pools.
- Good overhead shade is provided by spruce, cedar, alder, salmonberry and other brush.
- Areas where old beaver dams have failed are well vegetated with rushes and sedges.

Describe unaccessible habitat: NA

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

Describe wetland: () Bog (X) Marsh () Scrub-shrub Wetland () Forested Wetland

-This is a side slope wetland that supplies water to both S-313R-24 and S-313R-25.
- It appears to be converting from a forested wetland to an open wetland. Most of the alders have died and salmonberry has taken its place along with skunk cabbage, sedges and red osier dogwood.

Flooding potential: () Low () Medium (X) High

- Flashy flows from within the stream.

Fish Information:

Site entry condition to Lake Creek: () Poor () Fair (X) Good

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

Coho access and use:

Juvenile- (X) Unknown () None () Poor () Fair () Good
Adult- () Unknown (X) None () Poor () Fair () Good

- Good access for coho.
- on 3/19/98, one unidentified fry was observed.

Other species access and use: () Chum () Pink () Sockeye () Chinook (X) 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

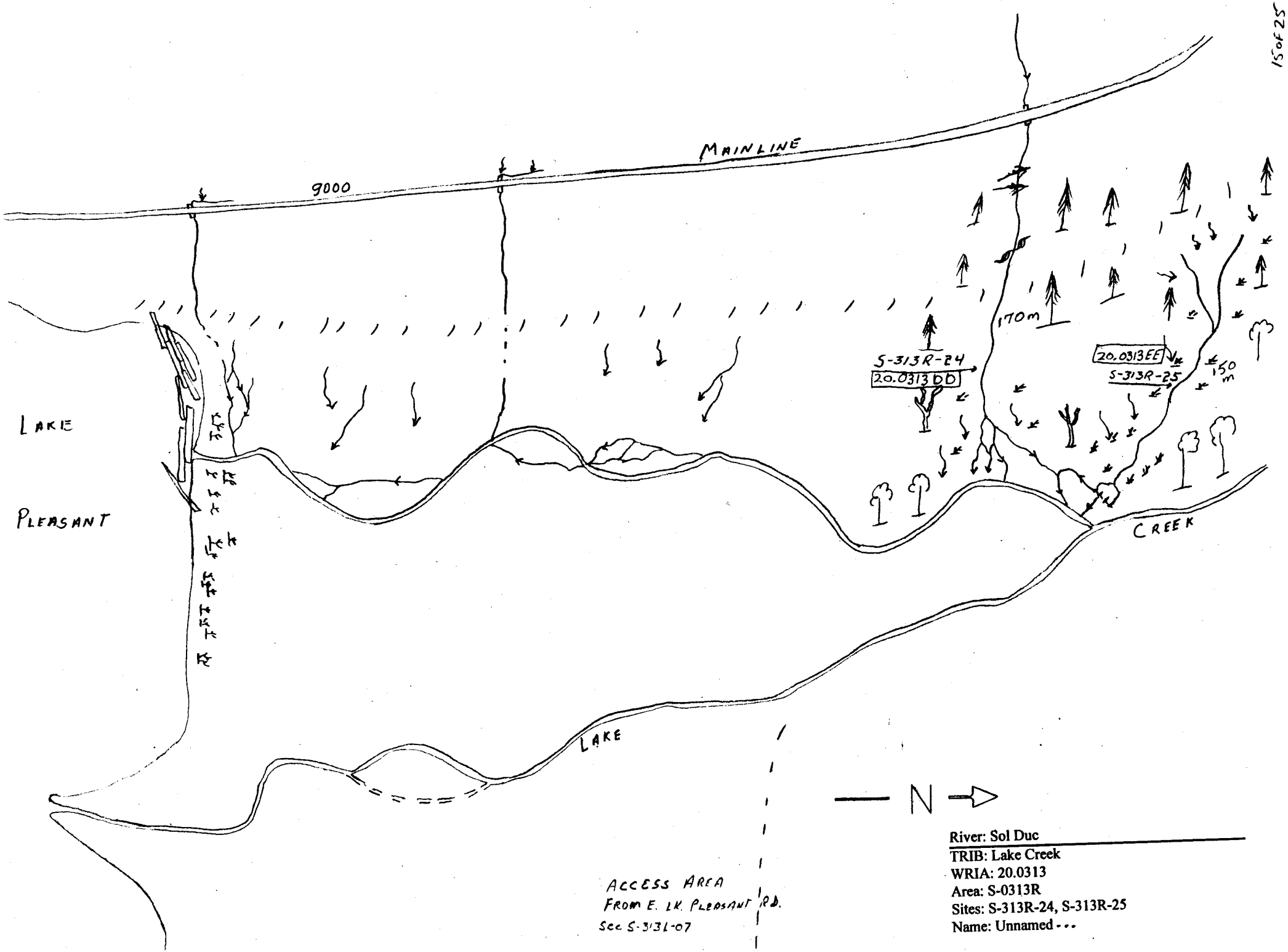
Additional Comments:

- G.P.S. points:
Begin survey: East 1,025,393.4 ft; North 1,068,016.4 ft
End of survey (at a length of 171 meters): East 1,025,679.2 ft; North 1,067,539.4 ft
-This channel was partially surveyed on 3/19/98. Since gradient guide lines changed and G.P.S. points were necessary, this tributary was reexamined.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

() Aerials	(X) Sketch	(X) Maps	() Culvert Report
() Other references	() Spawning surveys	() Juvenile trapping	() Fishway Report



River: Sol Duc
TRIB: Lake Creek
WRIA: 20.0313
Area: S-0313R
Sites: S-313R-24, S-313R-25
Name: Unnamed - - -

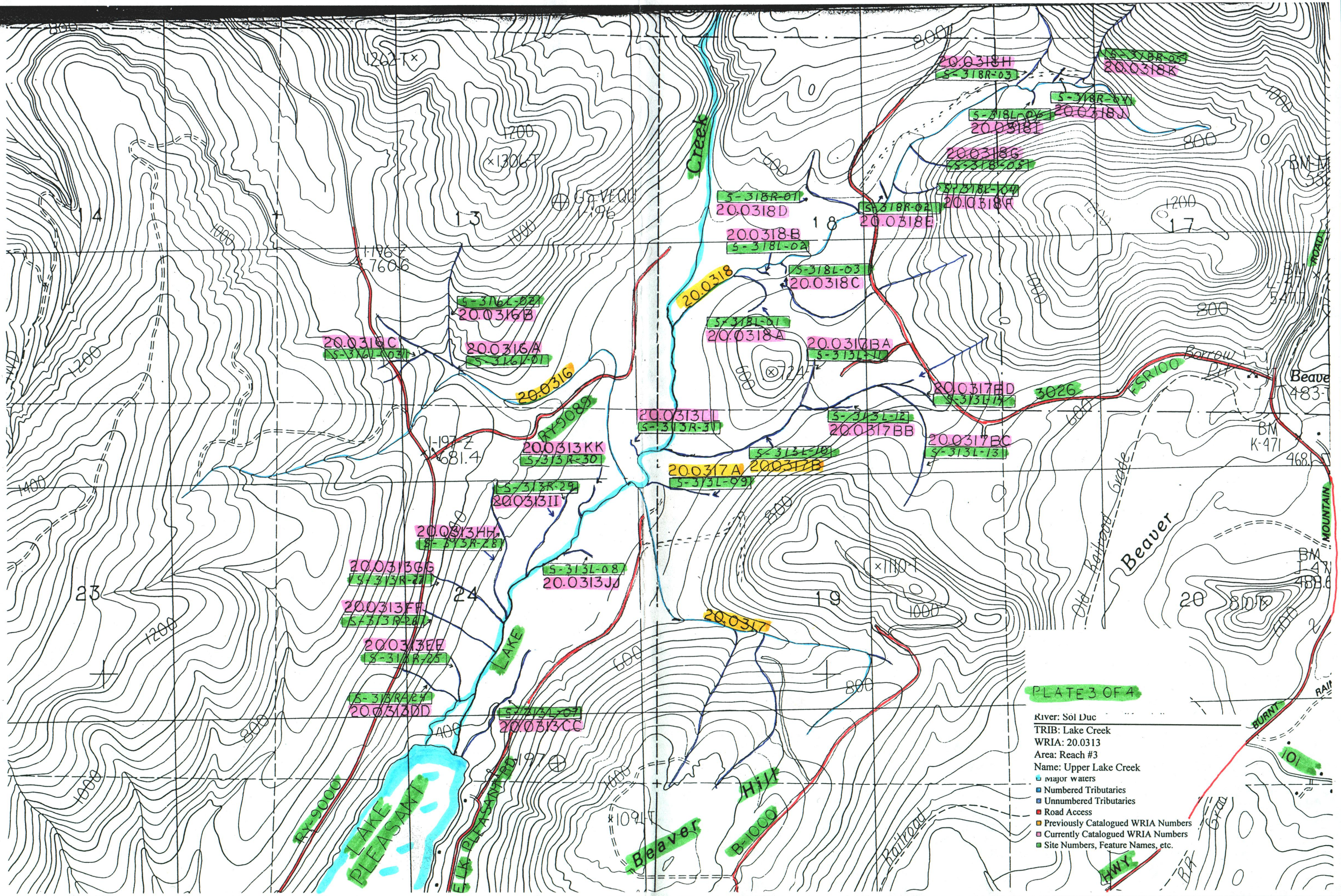


PLATE 3 OF 4
River: Sol Duc
TRIB: Lake Creek
WRIA: 20.0313
Area: Reach #3
Name: Upper Lake Creek
Major Waters
Numbered Tributaries
Unnumbered Tributaries
Road Access
Previously Catalogued WRIA Numbers
Currently Catalogued WRIA Numbers
Site Numbers, Feature Names, etc.
Creek
LAKE
LAKE PLEASANT
Beaver
Hill
Beaver
Old Railroad Grade
Railroad
Borrow Pit
MOUNTAIN
BURNT
HWY
ROAD
20.0318H
S-318R-03
20.0318K
20.0318J
20.0318I
20.0318G
20.0318F
20.0318E
20.0318D
20.0318B
20.0318C
20.0318
20.0318A
20.0317BA
20.0317BD
20.0317BB
20.0317BC
20.0317A
20.0317B
20.0317
20.0316B
20.0316C
20.0316A
20.0316
20.0313LL
20.0313KK
20.0313II
20.0313HH
20.0313GG
20.0313FF
20.0313EE
20.0313DD
20.0313CC
20.0313JJ
RY-9089
RY-9000
B-1000
3026
FSR100
ELK PLEASANT RD
1-196-Z
760.6
1-197-Z
681.4
1262-T
1306-T
1110-T
1091-T
1200
1000
800
600
400
1400