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-313R-30

WRIA: 20.0313 ?? (P)

River Mile Location: 5.5 mi.

RB/LB: RB

Local Name: Carcass Creek

Trib. to: Lake Creek (20.0313)

Legal Description: NE ¼ Sec 24 T30N R13W

County: Clallam

Habitat Type: Terrace Trib

Landowner: () Federal () State () County () Other Government (X) Private
- Possibly Merrill and Ring Tree Farm (Fiber Board Inc.)

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 bridge over Lake Creek. Continue for about 2.9 miles (the county road ends at 1.0 miles and the 9000 line begins) to the 9089, the road to the right at the top of the hill. A key will be needed and 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 from the mainline. Walk out the skid road toward Lake Creek and bear right toward the cutting line. Follow the narrow harvest cut between Lake Creek and a wetland. The larger creek that will be crossed is 20.0316. Continue to the end of the strip and continue following the RB of Lake Creek downstream. A right bank tributary will be encountered within a few meters. This is Carcass Creek (S-313R-30). The right bank tributary, a short ways upstream, is the uppermost egress from Skull Creek (S-313R-29).

Site Overview:
The source water for this channel is the same wetland as Skull Creek (S-313R-29). This channel is characterized as a forested wetland complex. It has been disturbed by both past and recent timber harvest. The trees that were removed in the recent harvest are on the southerly aspect. The sun now affects portions of the channel and wetland. This is a low gradient stream with a silt/mud substrate. The system provides excellent off channel habitat and it is well used by both coho fry and trout fry.

Habitat Information:

Water source: Springs, wetland and surface runoff. The lower reach gets flow from Skull Creek.

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

Estimated flows (cfs): Lower end: 0.1 - 0.2 Upper end: 0.05 - 0.1

Water temperatures: Lower end: 9.0°C Upper end: 8.5°C
- Temperature on 1/6/99: Lower end - 6.5°C Upper end Not Taken
- Temperature on 1/26/99: Lower end - 5.5°C Upper end - 5.5°C

Adjacent stream temperature (Lake Creek): 8.0°C
- Temperature on 1/6/99: 7.5°C

Other water observations: Tannic water

Site area measurements: () Indirect () Direct (X) Combination

Widths:	Channel- 0.3 - 0.6 m	Pond- 1 - 4 m	Wetlands- ~20 - 50 m
Depths:	Channel- 5 - 30 cm	Pond- 15 - 30 cm	Wetlands- 5 -15 cm

Total length estimated (includes ponds and wetlands): 200 m

Total existing habitat area (est.): 500 m²
Spawning area: 0 m²
Impounded area: 300 m²
Other rearing area: 200 m²

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

Describe spawning habitat: NA

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

Describe pond and other rearing habitat:
- The impounded areas are created mostly by beaver activity. The ponds tend to be elongated along the channel meanders rather then spread out.
- There is a lack of LWD in the channel but there is some smaller woody debris.
- There are sedges, skunk cabbage and other aquatic vegetation providing cover.
- The under story is made up of vine maple, salmonberry, devils club, huckleberry, and young alders
- The riparian that is left is mainly alder, salmonberry and scattered 30 - 50 year old conifer.

Describe unaccessible habitat: NA

Describe wetland: () Bog (X) Marsh () Scrub-shrub Wetland (X) Forested Wetland
- This channel meanders through a managed forested wetland. The over story is made up of 30 - 50 year old spruce, cedar, hemlock and alder. The under story is vine maple, salmonberry and false huckleberry.
- The marsh has scattered alder, salmonberry, devils club, slough sedge and other herbaceous growth.

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

Fish Information:

Site entry condition to Lake Creek: () Poor () Fair (X) Good
- Enters in a back eddy. There is woody debris or bank overhang to provide cover.
- There are beaver dams to negotiate near the egress.

Coho access and use:

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

- 0+ coho fry were observed in the egress channels, below the beaver dams.
- On 1/27/99 three minnow traps yielded 29 coho 1+ presmolts.

Other species access and use: () Chum () Pink () Sockeye () Chinook (X) Trout
- On 1/27/99 three minnow traps yielded eight cutthroat trout and six sculpin.

Habitat Improvements:

Enhancement opportunities:

Possible project type:

- Plank weir installation to help pass fish over existing beaver dams.
- Maintain the integrity of the stream.

Equipment access: No access

Additional Comments: The landowner harvested a narrow strip of timber between the Lake Creek RMZ and the wetland RMZ, the wetland wasn't well defined or the operator didn't leave the proper RMZ on the channel and wetland.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

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

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-313R-30
Site Name: Carcass Creek
WRIA: 20.0313 ?? (P)

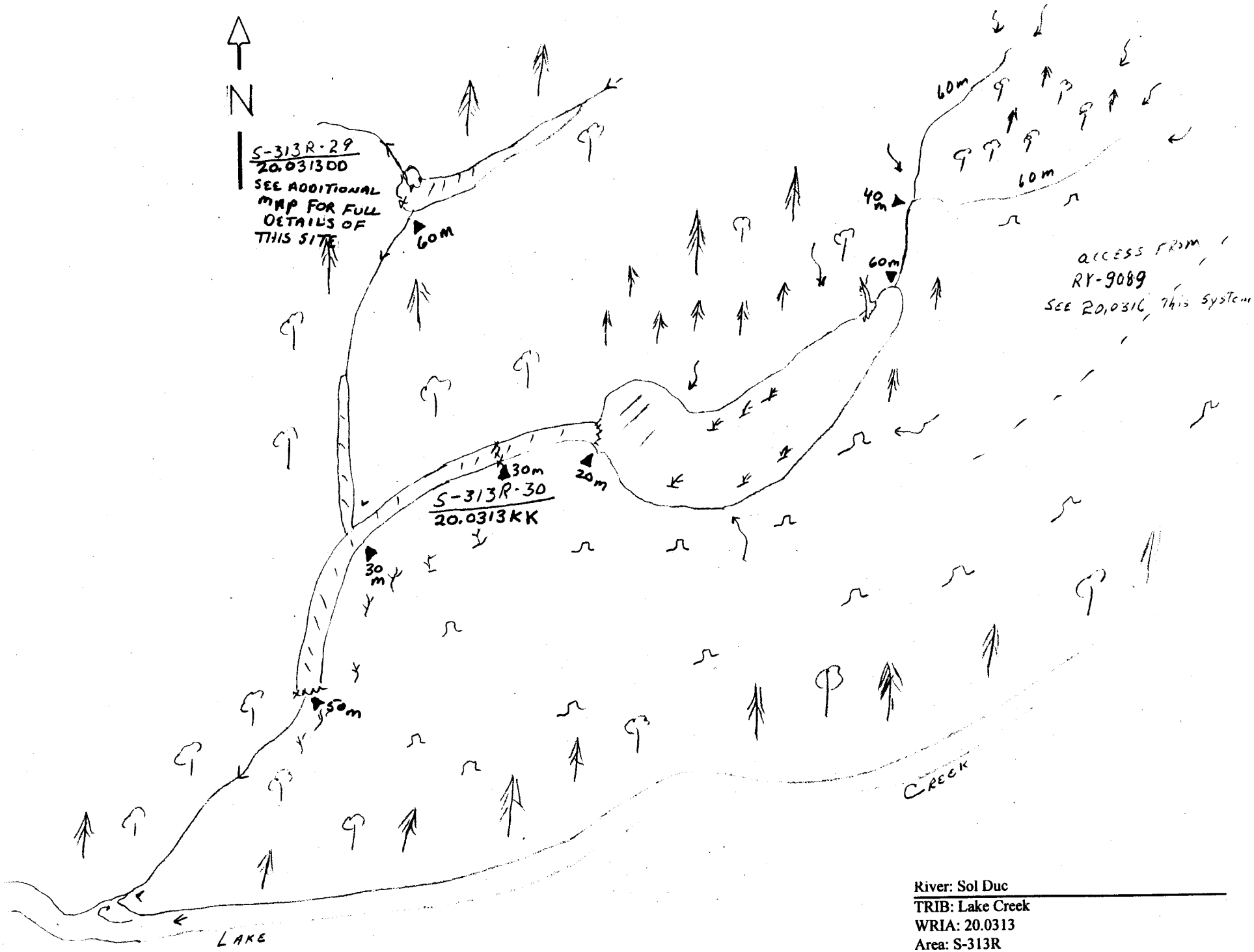
DATE: 1/26/99

OBSERVER: Darrow/Nettnin

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH COHO	TROUT RBT	TROUT CUTT	TROUT 0+	COTTID
1	1/26	5.5°C	1/27	5.5°C	17	0	1	0	2
2	1/26	5.5°C	1/27	5.5°C	10	0	1	0	1
3	1/26	5.5°C	1/27	5.5°C	2	0	6	0	3
				TOTALS:	29	0	8	0	6

COMMENTS:
-Trap 1 was placed approximately 20 meters above the confluence of Carcass Creek and the upper egress of Skull Creek.
-Trap 2 was placed approximately 35 meters above trap number one.
-Trap 3 was placed approximately 35 meters above trap number two.



River: Sol Duc
TRIB: Lake Creek
WRIA: 20.0313
Area: S-313R
Site: S-313R-30
Site Name: Carcass Creek

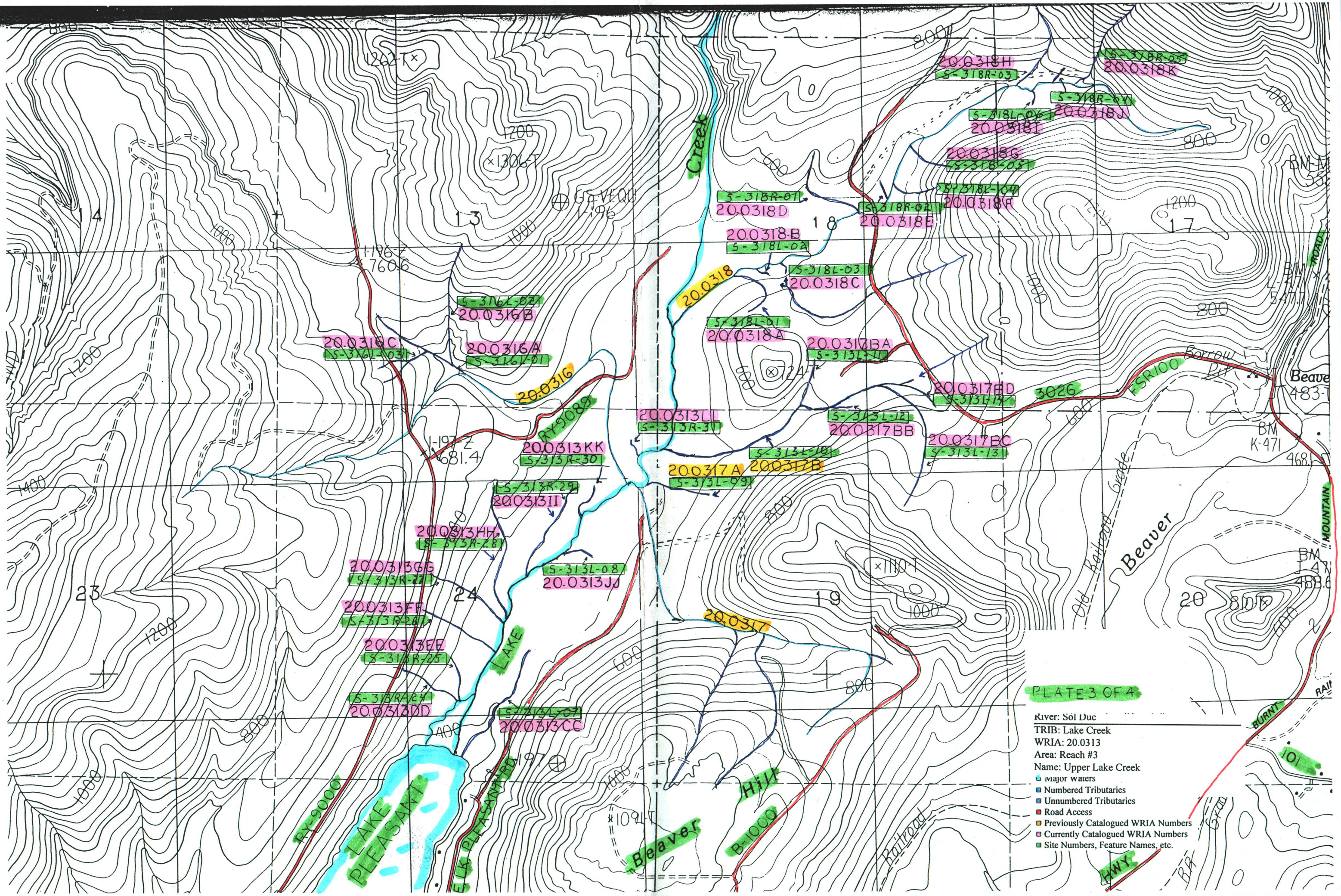


PLATE 3 OF 4
River: Sol Duc
TRIB: Lake Creek
WRIA: 20.0313
Area: Reach #3
Name: Upper Lake Creek
Major Waters
Numbered Tributaries
Unnumbered Tributaries
Road Access
Previously Catalogued WRIA Numbers
Currently Catalogued WRIA Numbers
Site Numbers, Feature Names, etc.
Creek
LAKE
LAKE PLEASANT
Beaver
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