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: 2/11/98

Site Identifier: S-313R-06

WRIA: 20.0313I (P)

River Mile Location: 1.01

RB/LB: RB

Local Name: Unnamed

Trib. to: Lake Creek (20.0313)

Legal Description: NE¼ Sec 4 T29N R13W

County: Clallam

Habitat Type: Valley Wall Trib

Landowner: () Federal (X) State () County () Other Government (X) Private
- Possibly RTOC
- Possibly DNR

Directions to site:
Travel north from Forks on Highway 101 to the T-line intersection (left at MP 198.1). Turn left off the highway then right at the 4-way junction (100 ft). Continue up the road for 1.1 mile (a key for the gate can be obtained at the RTOC office in Forks) to the fourth stream crossing (disregard the perched wetland just past 20.0313G as a stream crossing). This is S-313R-06.

Site Overview:
This first order valley wall tributary drains approximately 80 acres of forest land. From the mouth to the road, the gradient ranges from 4 - 10%. Above the road, the gradient increases to more than 30% at the head wall tributaries on Tyee Ridge. The culvert at the road crossing is a barrier at present.

Habitat Information:

Water source: Surface runoff

Intermittent/year-around: Unknown, probably intermittent.

Estimated flows (cfs): Lower end: 0.5 - 3.0 Upper end: Not surveyed

Water temperatures: Lower end: 7.5 - 8.5°C Upper end: Not surveyed

Adjacent stream temperature Lake Creek: 6.5°C

Other water observations: Clear water

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

Widths:	Channel- 1 - 1.5 m	Ponds- NA	Wetlands- NA
Depths:	Channel- 5 - 15 cm	Ponds- NA	Wetlands- NA

Total length surveyed (includes ponds and wetlands): 230 m

Total existing habitat area (est.): 300 m²
Spawning area: 20 m²
Impounded area: 0 m²
Other rearing area: 280 m²

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

Describe spawning habitat:
- A large percentage of the substrate is rubble and clay.
- The spawning opportunities are limited to the tailout of pools.
- This stream habitat is more suitable for trout than for coho.

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

Describe pond and other rearing habitat:
- There is no pond habitat associated with this channel.
- There are limited pools and riffles that provide good trout habitat.

Describe unaccessible habitat:
- Reach above the culvert was not surveyed.

Describe wetland: () Bog () Marsh () Scrub-shrub Wetland () Forested Wetland
- There are no associated wetlands to this channel.

Flooding potential: () Low () Medium (X) High
- The system is subject to flashy flows from within and not from river flooding.

Fish Information:

Site entry condition to Lake Creek: (X) Poor () Fair () Good
- The stream enters in a small protected cove.
- The first 20 m are shallow and choked with canary grass.

Coho access and use:
Juvenile- (X) Unknown () None () Poor () Fair () Good
Adult- (X) Unknown () None () Poor () Fair () Good
- No coho were observed during the survey
- There are two four foot falls at 90 and 100 m that will limit fry migration.

Other species access and use: () Chum () Pink () Sockeye () Chinook (X) Trout
- On 2/4/98 a trap was set and fished: nothing was caught.

Habitat Improvements:

Enhancement opportunities:
Possible project type:
- Remove or replace culvert to pass fish.
- Maintain the integrity of the stream.

Equipment access: Good access to the culvert.

Additional Comments:

Verbal communications with Chris Byrnes (WDFW Habitat Manager): this road is a temporary access and is supposed to be abandoned when timber harvest is completed.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

() Aerials	(X) Sketch	(X) Maps	(X) 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-06
Site Name: Unnamed
WRIA: 20.0313I

DATE: 2-5-98 **OBSERVER:** Nettnin

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH COHO UMRK	COHO MRK	RBT	CUTT	COTTID
1	2/4	7.5°C	2/5	8.0°C	0	0	0	0	0
				TOTALS:	0	0	0	0	0

COMMENTS:
-Trap 1 was placed about 10 m below the culvert.

DATE: 5-20-98 **OBSERVER:** Nettnin

Channel was flowing about 0.08 - 0.1 cfs.

DATE: 1-24-99 **OBSERVER:** Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH COHO	TROUT RBT	TROUT CUTT	TROUT 0+	COTTID
1	1/24	5.0°C	1/25	6.0°C	0	0	0	0	0
2	1/24	5.0°C	1/25	6.0°C	0	0	0	0	0
3	1/24	5.0°C	1/25	6.0°C	0	0	0	0	0
				TOTALS:	0	0	0	0	0

COMMENTS:
-Trap 1 was placed about 10m above the culvert at a depth of about 30 cm. This reach was cleaned out by a machine so there is no debris, no meanders and no trees left in the riparian zone.
-Trap 2 was placed about 40m above the culvert at a depth of about 30 cm. This reach was cleaned out by a machine so there is no debris, no meanders and no trees left in the riparian zone.
-Trap 3 was placed about 70m above the culvert at a depth of about 30 cm. This reach was cleaned out by a machine so there is no debris, no meanders and no trees left in the riparian zone.
- All traps were baited with salmon roe.

WDFW FISH PASSAGE REPORTING FORM

LEVEL I - Facility/Barrier Identification

(1) CHECK ONE: [] Existing Fishway (includes baffled culverts)
[X] Man-made Fish Passage Problem

(2) STREAM: Unnamed

(3) WRIA#/RM: 20.0313I / 0.1

(4) TRIBUTARY TO: Lake Creek

(5) LEGAL(S,T,R): NE ¼, Sec 6 T29N R13W

(6) LATITUDE/LONGITUDE:

(7) MILEPOST/ROAD: Travel north from Forks on Highway 101 to the T-line intersection (left at MP198.1). Turn left off the highway then right at the 4-way junction (100 ft). Continue up the road for 1.1 mile (A key for the gate can be gotten at the RTOC office in Forks) to the fourth stream crossing (disregard perched wetland just past 20.0313G as a stream crossing). This is S-313R-06 (20.0313I).

(8) DESCRIPTION OF FISHWAY, FACILITY:

(9) DESCRIPTION OF BARRIER: Excessive slope.

(10) OWNER: ROTC

(11) FISH ACCESS UP TO BARRIER VERIFIED/PRIMARY SPECIES: A trap was set but not successful / Trout

(12) HABITAT AVAILABLE ABOVE FISHWAY OR BARRIER:
- The reach above the culvert was not surveyed however, there does appear to be some trout habitat available there.
- Observations throughout the rest of the Lake Creek system indicate that this type of habitat is being well used.

(13) IDENTIFIED BY (agency/organization): WDFW - SSHEAR

(14) SUBMITTED BY/DATE OBSERVED: Nettnin / 2/4/98

(15) INVENTORY DESCRIPTOR: S-313R-06

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LEVEL II - Culvert/Barrier Description

CULVERT:

(16) TYPE (Indicate number of each):
[ ] concrete round
[ ] concrete box
[ ] smooth steel pipe
[X] CMP - Round, Steel, spiral wound
[ ] CMP - Arch or Ellipse
[ ] Other:

(17) LENGTH: 40 ft

(18) DIAMETER: 2 ft

(19) WATER DEPTH: 0.1 ft

(20) SLOPE: ~11%

(21) VELOCITY: Unknown

(22) OUTFALL DROP: 4 ft

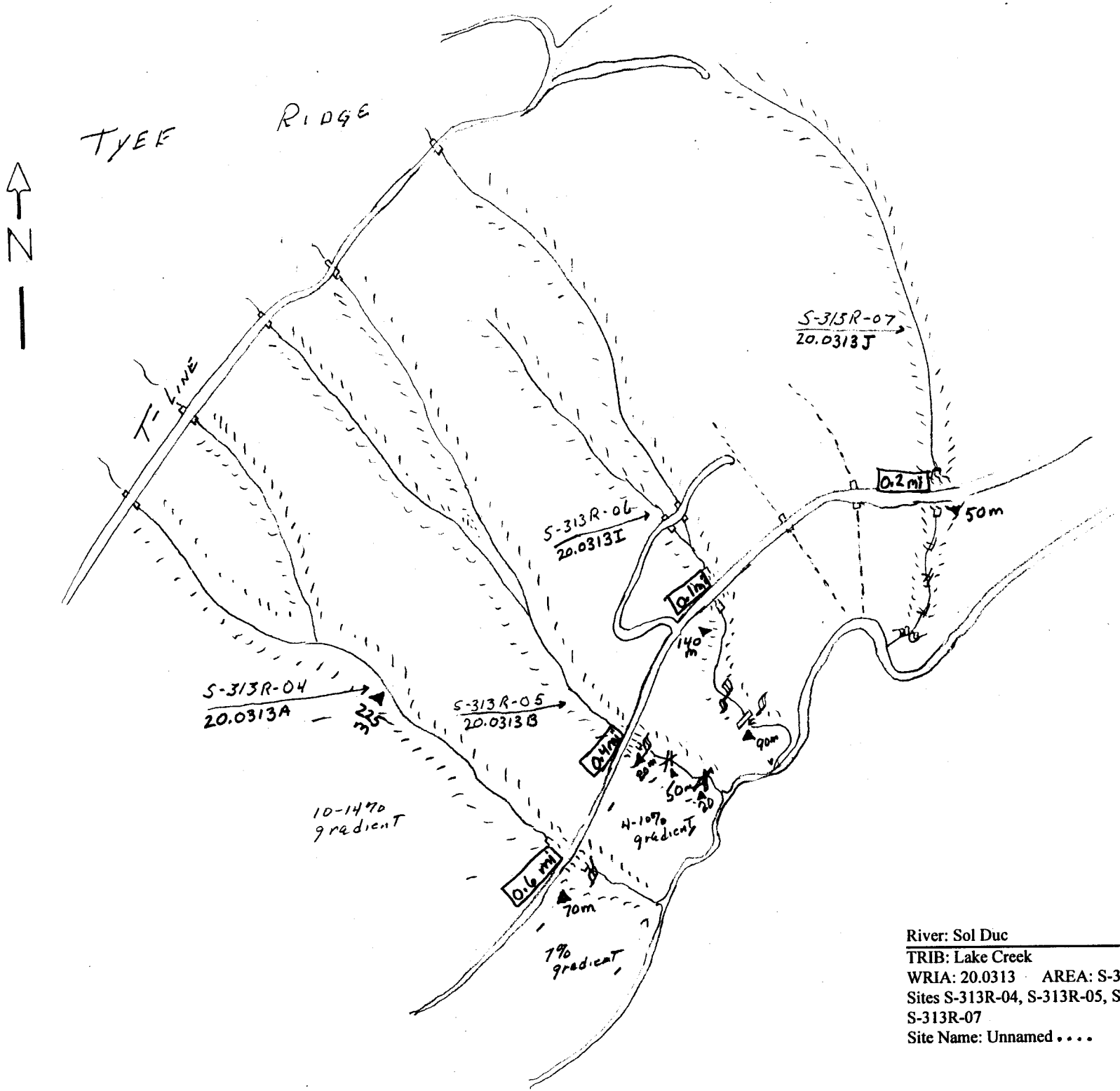
DAM:

(23) LENGTH:

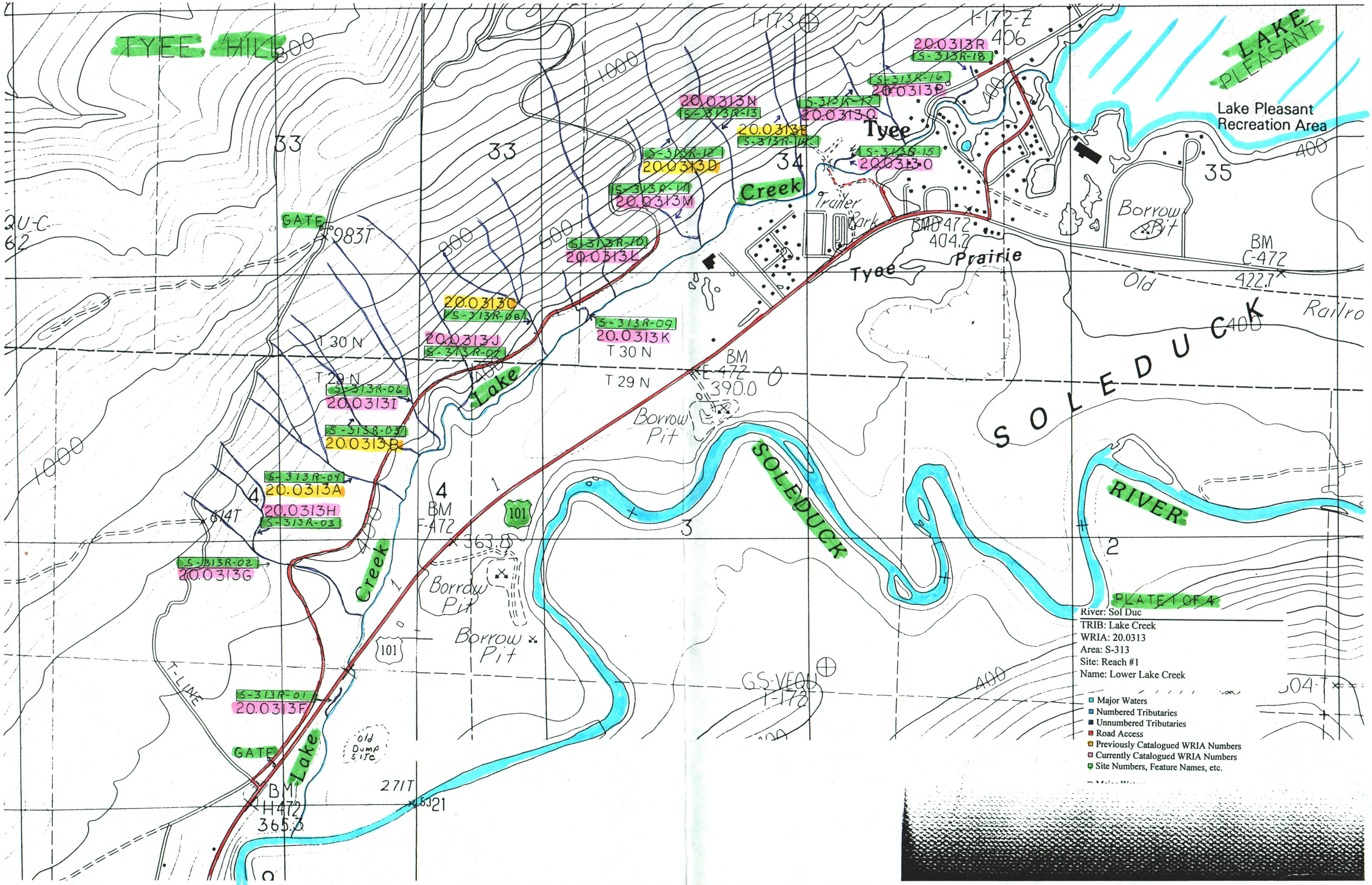
(24) HEIGHT:

COMMENTS: Verbal communications with Chris Byrnes (WDFW habitat Manager) this road was a temporary access and is supposed to be abandoned when timber harvest is completed. The last block of timber is scheduled to go this summer, perhaps we can get the road put to bed.

DOC: S-313R-06



River: Sol Duc
TRIB: Lake Creek
WRIA: 20.0313 AREA: S-313R
Sites S-313R-04, S-313R-05, S-313R-06 & S-313R-07
Site Name: Unnamed . . . .


TYEE HILL
LAKE PLEASANT
Lake Pleasant Recreation Area
Tyee Creek
Tyee Prairie
Trailer Park
Borrow Pit
Old Railro
SOLEDUCK RIVER
Lake Creek
GATE
T 30 N
T 29 N
101
Old Dump Site
T-LINE
PLATE 1 OF 4
River: Sol Duc
TRIB: Lake Creek
WRIA: 20.0313
Area: S-313
Site: Reach #1
Name: Lower Lake Creek
Major Waters
Numbered Tributaries
Unnumbered Tributaries
Road Access
Previously Catalogued WRIA Numbers
Currently Catalogued WRIA Numbers
Site Numbers, Feature Names, etc.