

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): Powell
River System: Sol Duc	Date: 4/8 & 5/13/97
Site Identifier: S-0305	WRIA: 20.0305
River Mile Location: 18.7	RB/LB: LB
Local Name: Tassel Creek	Trib. to: Sol Duc (20.0096)
Legal Description: NW ¹ / ₄ Sec 33 T29N R13W	County: Clallam
Habitat Type: Terrace tributary	
Landowner: (X) Federal () State () County () Other Government (X) Private	
- Lower reach flows through multiple private lots	
- Bloedel Timber	
- National Forest	

Directions to site:

Starting at Forks (Tillicum Park) drive north on Highway 101 for 1.8 miles to Whitcomb-Diimmel Road. Take a right and follow this road. This road crosses over Tassel Creek and parallels it at about one mile.

Site Overview:

This large stream sources from numerous high gradient tributaries and flows through an old growth forest into a narrow, incised valley that is choked with old growth debris. Some of the debris jams appear to be barriers. The channel, downstream of the debris jams to the egress, has areas of quality spawning gravel but large silt deposits too. The lower reach is marred by human activity due to the close proximity of the dwellings to the stream. This channel is monitored for spawning activity, and it has some associated tributaries that offer good rearing opportunities. This system has not been fully utilized for many years due to an anadromous barrier in the lower reach; the culvert was replaced in 1997.

Habitat Information:

Water source: Surface runoff, road runoff and numerous tributaries

Intermittent/year-around:

- Year-around

Estimated flows (cfs): >5

Water temperatures: 7.0° C

Adjacent stream temperature: Did not take

Other water observations: Water is clear

Site area measurements: Indirect Direct Combination

Widths: Channel- 1.5 m - 4.5 m Ponds- NA Wetlands- NA

Depths: Channel- 10 cm - 45 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 6085+ m (trout habitat above end point)

Total existing habitat area (est.): 18,255+ m²

Spawning area: 3500+ m²

Impounded area: 0

Other rearing area: 14,755 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The lower reach (downstream of the Bloedel logging road crossing) contains quality spawning gravel.
- The mid reach has areas of good spawning gravel amongst large deposits of fines and rock.
- The upper reach, upstream of the multiple log jams, has some areas of good gravel but the log jams may be an anadromous block.
- This stream is a Quileute Tribe coho spawner index.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- This stream experiences flushing flows.
- The lower reach (below Whitcomb-Diimmel Road) flows through multiple private lots and is marred by human activity (litter/manmade debris, cleared banks, ect).
- The lower reach has cover of overhang and LOD with alder, brush and some conifer growing along the banks.
- The lower reach banks are mostly mud and silt.
- Upstream of the Whitcomb-Dimmel Road, the channel flows through alder, brush and some conifer with adequate amounts of LOD. The channel banks are very silty.
- The banks in the mid reach become steep and the channel becomes incised.
- The mid reach has numerous left bank springs and steep tributaries.
- The mid reach channel is choked with old growth logs, and some of the jams appear as impasses.
- In the upper reach, the banks flatten out and the stream flows through an old growth, conifer forest with alder and brush growing along the banks.
- There is cover of overhang and LOD in the upper reach.

Describe unaccessible habitat:

- The mid reach, multiple log jams may be an andaromous block.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- None

Flooding potential: Low Medium High

- None

Fish Information:

Site entry condition to (Sol Duc River 20.0096): Poor Fair Good

- The stream enters into a river bend with an eddy.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- Coho juveniles were observed in the lower reach.

- This is Quileute Tribe coho spawner index.

Other species access and use: Chum Pink Sockeye Chinook Trout
 - Trout were observed to the survey end point.

Habitat Improvements:

Enhancement opportunities:

- Replace culvert at Bloedel logging road crossing.

Other Comments:

- The culvert crossing at Whitcomb-Diimmel road was an andaromous block for many years. It was replaced in 1997.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

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

DATE: 2-1-98

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						RBT	CUTT	0+	
1	1/31	7.0°C	2/1		0	0	1	0	0
2	1/31	7.0°C	2/1		0	0	2	0	15
3	1/31	7.0°C	2/1		0	2	3	0	1
4	1/31	7.0°C	2/1		0	0	3	0	2
TOTALS:					0	2	9	0	18

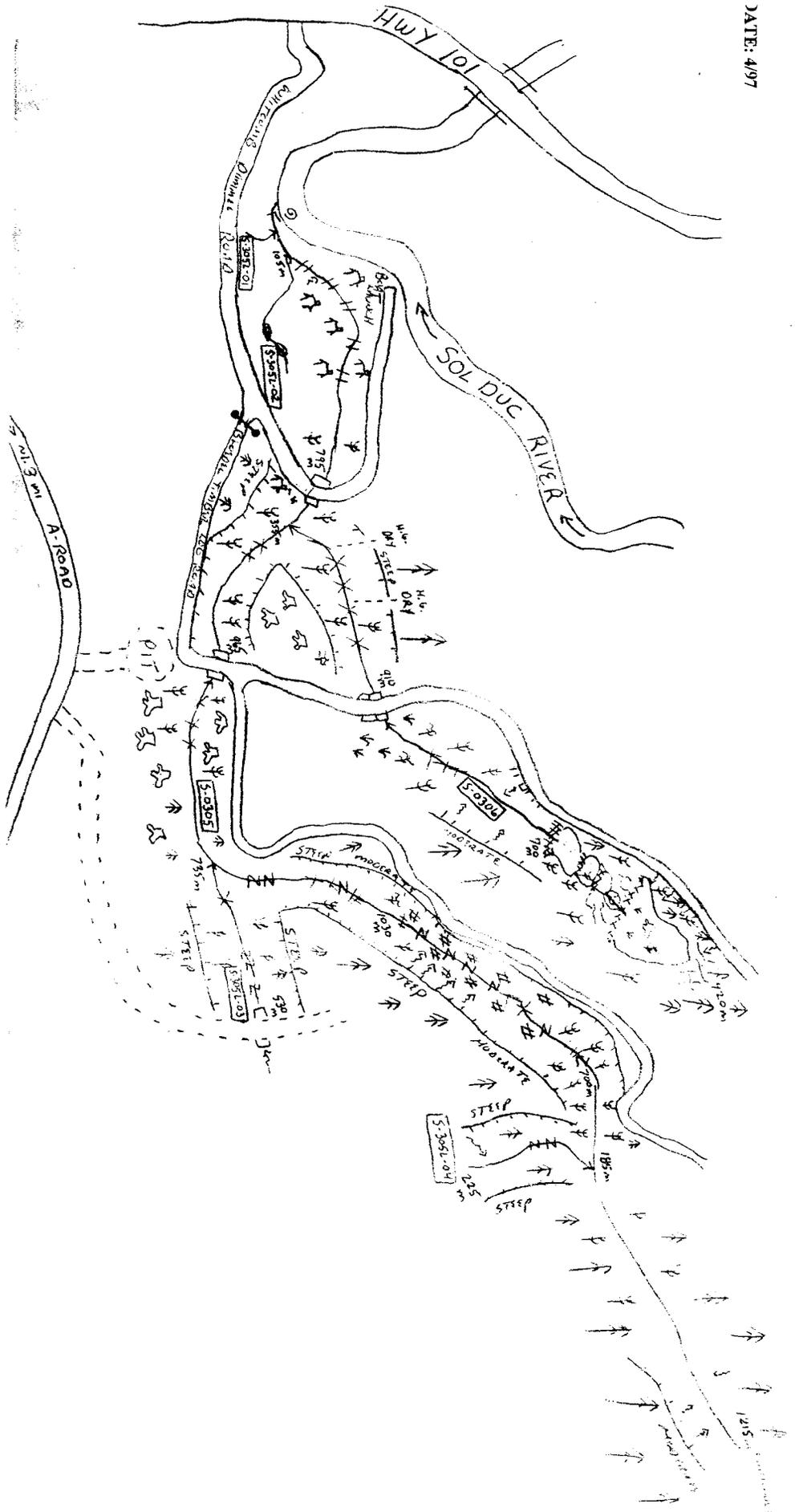
COMMENTS:

Barrier culvert on the Whitcomb-Diimmel Road was replaced this summer (1997). Coho redds were observed above both culverts this winter by the Quilleute stream surveyors.
 -Trap 1 was placed ~15 feet upstream of the Bloedel culvert.
 -Trap 2 was placed ~130 feet upstream of the Bloedel culvert.
 -Trap 3 was placed ~375 feet upstream of the Bloedel culvert (in area where with remnants of a trapping site).
 -Trap 4 was placed ~450 feet upstream of the Bloedel culvert.

RIVER: SOL DUC

AREA: S-13
SITES: S-0305, S-305L-03, S-305L-04, S-0306
WRIA: 20.0305, 20.0306 E, 20.0306 F, 20.0306
NAMES: Tassel Cr, Unnamed, Unnamed, Fossil Cr

DATE: 4/97



WASHINGTON
7.5 MINUTE SERIES (TOPOGRAPHIC)

NW/4 FORKS 15' QUADRANGLE

FORT ANGLES 54 MI
BEAVER PO 47 MI

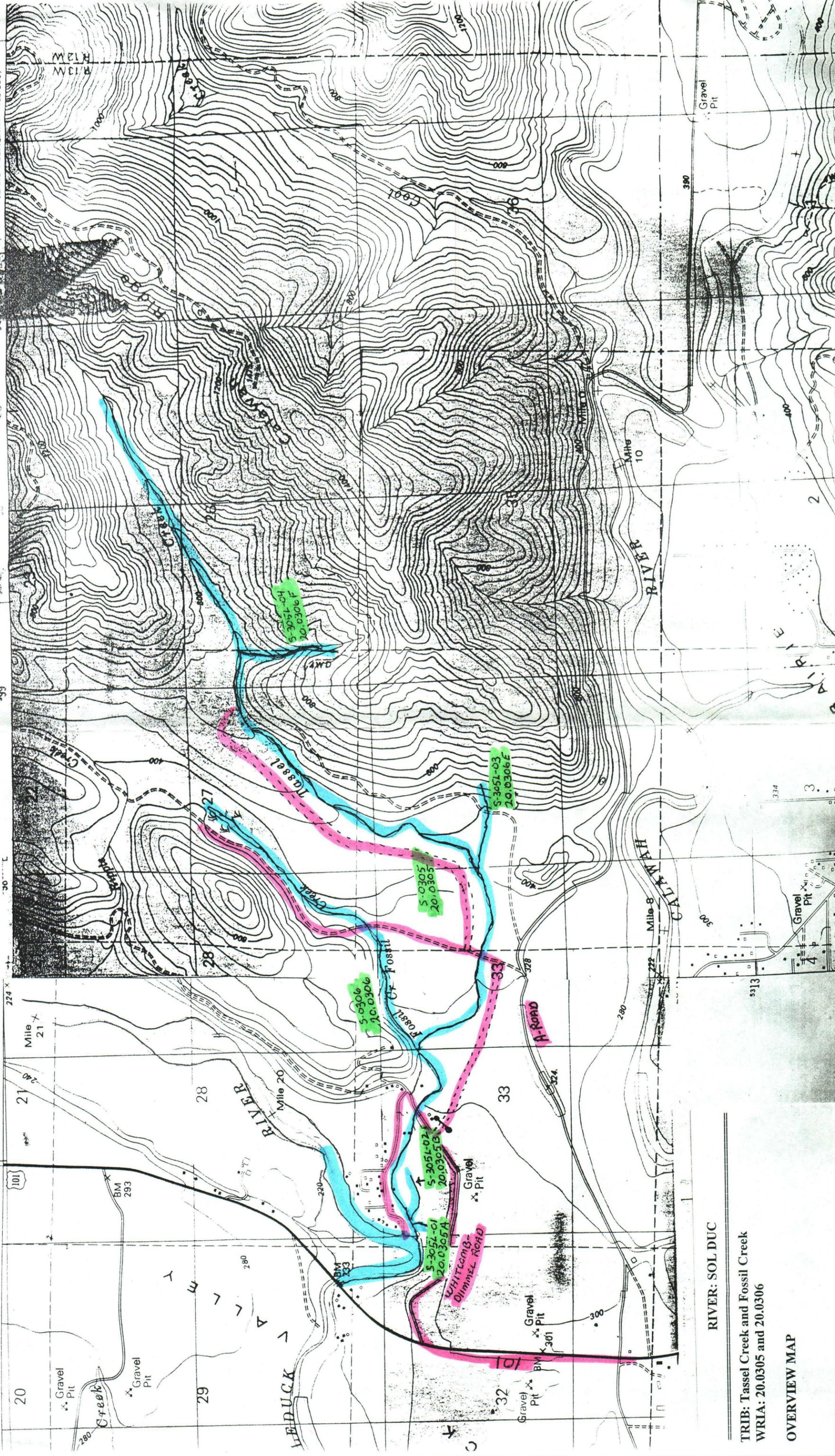
124°2'

1:62,500

1:130,000 FEET

1180 IN

(LAKE PLEASANT 1:62 500)



RIVER: SOL DUC

TRIB: Tassel Creek and Fossil Creek
WRIA: 20.0305 and 20.0306

OVERVIEW MAP

RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

