

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: 3/11/98
Site Identifier: S-307L-09	WRIA: 20.0309 Q (P)
River Mile Location: 3.9 mi (hip chained)	RB/LB: LB
Local Name: Drop Creek	Trib. to: Shuwah Cr. (20.0307)
Legal Description: SE¼ Sec11 T29N R13W	County: Clallam

Habitat Type: Lower valley wall tributary

Landowner: Federal State County Other Government Private
- Washington Dept. Of Natural Resources
- Hancock Timber

Directions to site:

Starting at Forks (Tillicum Park) drive north on Highway 101 for 5.3 miles (mp 197). Take a right on Maxfield Road and follow 0.65 mi to the logging road gate. A key to the gate can be obtained at the Rayonier Timber Office or DNR. Continue straight (crossing Shuwah Cr) for 0.4 mi and turn to the right. Continue following the road for 0.3 mi. At this point, there will be a road to the left going up a steep hill - take this road. Follow the road for 1.9 miles and there will be several culvert crossings. The larger culvert is the main channel of S-307L-09.

Site Overview:

This is a moderate-steep gradient channel that experiences flushing flows. The substrate is mostly rubble with patches of gravel and sections with boulders. This stream is more characteristically a cutthroat stream.

Habitat Information:

Water source: Terrace runoff, tributaries and springs

Intermittent/year-around:

- Probably intermittent

Estimated flows (cfs): 1

Water temperatures: 7° C

Adjacent stream temperature: 7° C (20.0307)

Other water observations:

Site area measurements: Indirect Direct Combination

Widths: Channel- 0.5 m - 1.5 m Ponds- NA Wetlands- NA

Depths: Channel- 2.5 cm - 13 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 605 m

Total existing habitat area (est.): 605 m²

Spawning area: 100 m²

Impounded area: 0

Other rearing area: 505 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Some spawning gravel in patches amongst rubble and boulders.
- Spawning habitat is more conducive to cutthroat trout.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- This is a moderate to a high gradient channel that experiences flushing flows.
- There is a series of cascades from the lower to mid reach.
- The overhead covers are conifers/alders, some brush, and blow down.
- There are instream covers of LOD and overhang.

Describe unaccessible habitat:

- The mid-upper reach has ~22% drop over bedrock.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

Flooding potential: Low Medium High

Fish Information:

Site entry condition to (20.0307): Poor Fair Good

- There are a series of cascades over boulders and LWD near the egress.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

Other species access and use: Chum Pink Sockeye Chinook Trout

- Resident trout would likely use this channel.

Habitat Improvements:

Enhancement opportunities:

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

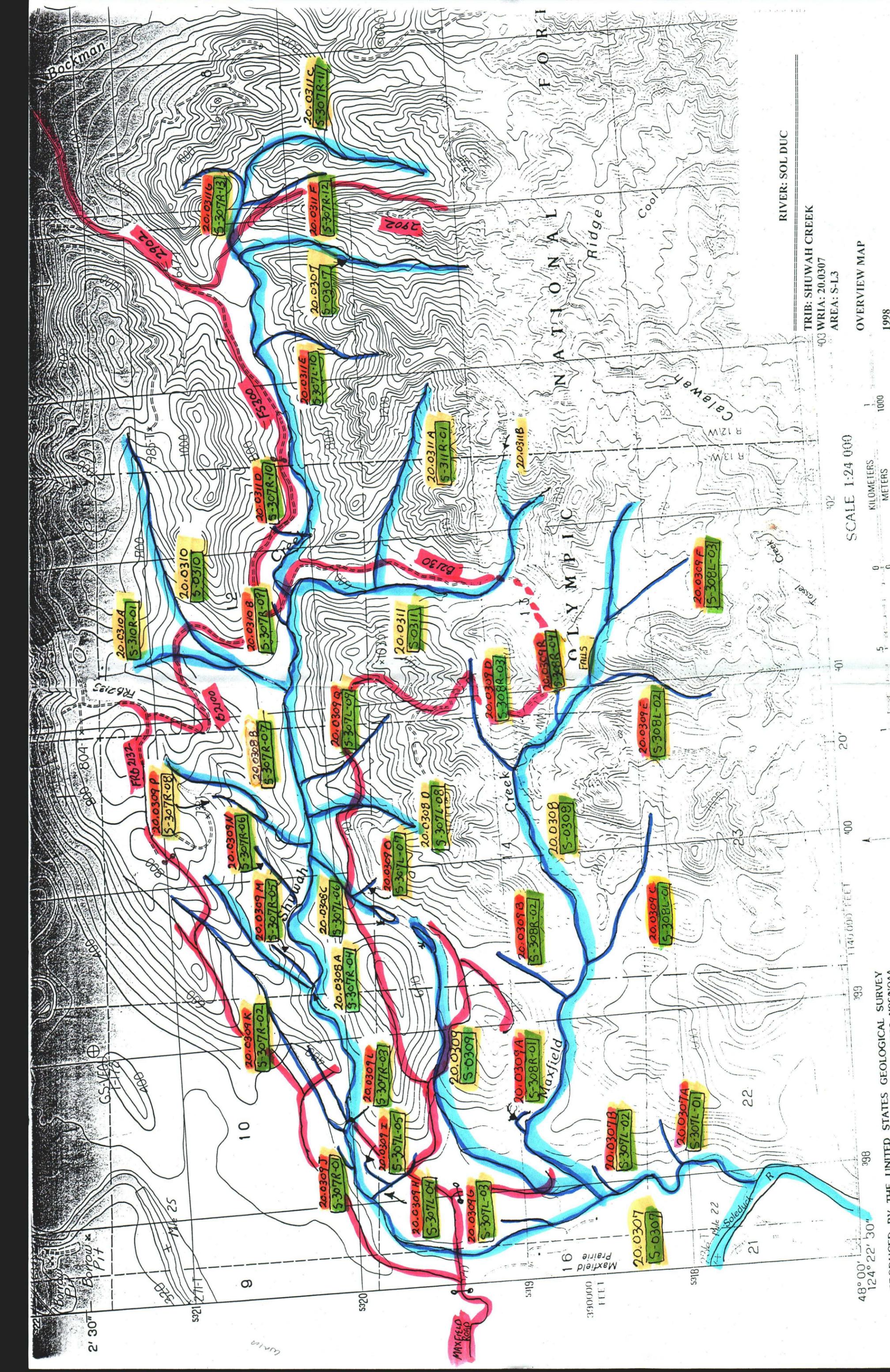
Aerials Sketch Maps Culvert Report
 Other references Spawning surveys Juvenile trapping Fishway Report

DATE: 6-4-98 **OBSERVER:** Powell

Water was flowing \leq 50 gpm from the upper reach culvert.

DATE: 8-20-98 **OBSERVER:** Powell

There was just a trickle of a flow at the upper reach culvert.



Bockman

FOR I

NATIONAL

Ridge

Cool

Calaway

RIVER: SOL DUC

TRIB: SHUWAH CREEK

WRIA: 20.0307

AREA: S-L3

OVERVIEW MAP

1998

SCALE 1:24 000

KILOMETERS
METERS

1140 000 FEET

UNITED STATES GEOLOGICAL SURVEY

48° 00' 124° 22' 30"

2' 30"

Mile 25

9

10

11

12

13

14

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16

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18

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24

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26

27

GS-VEO
1-170

Borrow Pit

Mile 25

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RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

