

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:** 3/12/98
Site Identifier: S-0310 **WRIA:** 20.0310
River Mile Location: 4.2 mi (hip chained) **RB/LB:** RB
Local Name: Unnamed **Trib. to:** Shuwah Cr (20.0307)
Legal Description: SW¼ Sec12 T29N R13W **County:** Clallam
Habitat Type: Terrace tributary
Landowner: Federal State County Other Government Private
- Washington Dept of Natural Resources
- Rayonier Timber Co.

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. The road will have a left turn at 0.1 miles beyond gate. Take the left and follow for 1.4 miles and there will be a steep, uphill road to the right. Take the right and follow for 0.6 miles and there will be another gate - same key will work for this gate. Go through gate and follow in the east direction for 0.9 miles. The road will split at this point. Take the right (B2100) and go down hill for 0.7 miles. This culvert crossing is S-0310.

Site Overview:

This is a moderate size channel which sources in a low gradient, new plantation area that has numerous springs. This channel is fed by many high gradient tributaries and springs from the mid to upper reaches. The mid to upper reaches are characterized by an alder/brush forest with sections of heavy alder blow-down. The mid to lower reach flows through a conifer stand which has numerous RMZ trees blown down into the channel. The fine sediments in the blown down root-wads are presently influencing the channel. There are areas in the mid to lower reaches with quality spawning gravel and there is documented coho use.

Habitat Information:

Water source: Tributaries and terrace runoff

Intermittent/year-around:

- Year around

Estimated flows (cfs): 2+

Water temperatures: 7.5° C

Adjacent stream temperature: 7.5° C (20.0307)

Other water observations:

Site area measurements: Indirect Direct Combination

Widths: Channel- 1.2 m - 2.2 m Ponds- NA Wetlands- NA

Depths: Channel- 7 cm - 20 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 1945 m

Total existing habitat area (est.): 3300 m²

Spawning area: 1530 m²

Impounded area: 0

Other rearing area: 1770 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The majority of the spawning area is downstream of the B2100 culvert.
- The spawning area has quality gravel/rubble mixture.
- The RMZ has numerous blow-downs below the road culvert. Fine sediment in the root-wads is presently being introduced into the channel.
- There is some limited spawning area upstream of the culvert.
- There are varying amounts of fine sediment/gravel/rubble/boulders in the mid to upper reaches.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- This channel has a slight rise in gradient and is fed by numerous springs and higher gradient tributaries.
- The upper reach is a wooded wetland.
- The channel then flows through an alder/brush area with cover of old slash and blown down alder.
- The mid reach has an alder/conifer mixed stand, brush and LWD as cover.
- Downstream of the culvert, the channel flows through a conifer stand with overhang, LWD and brush as cover. There is recent blow-down of the RMZ in this area.
- The silt incased around the root-wads of the blow-down is contributing fines into the lower reach.
- This channel probably provides summer habitat.

Describe unaccessible habitat:

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- The upper reach is fed by numerous springs and has alder, brush, reeds and skunk cabbage.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to (Shuwah Cr. 20.0308): Poor Fair Good

- The channel has an open egress.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- The Quileute Tribe has documented coho spawning for this channel.

Other species access and use: Chum Pink Sockeye Chinook Trout

- Resident trout would likely use this channel.

Habitat Improvements:

Enhancement opportunities:

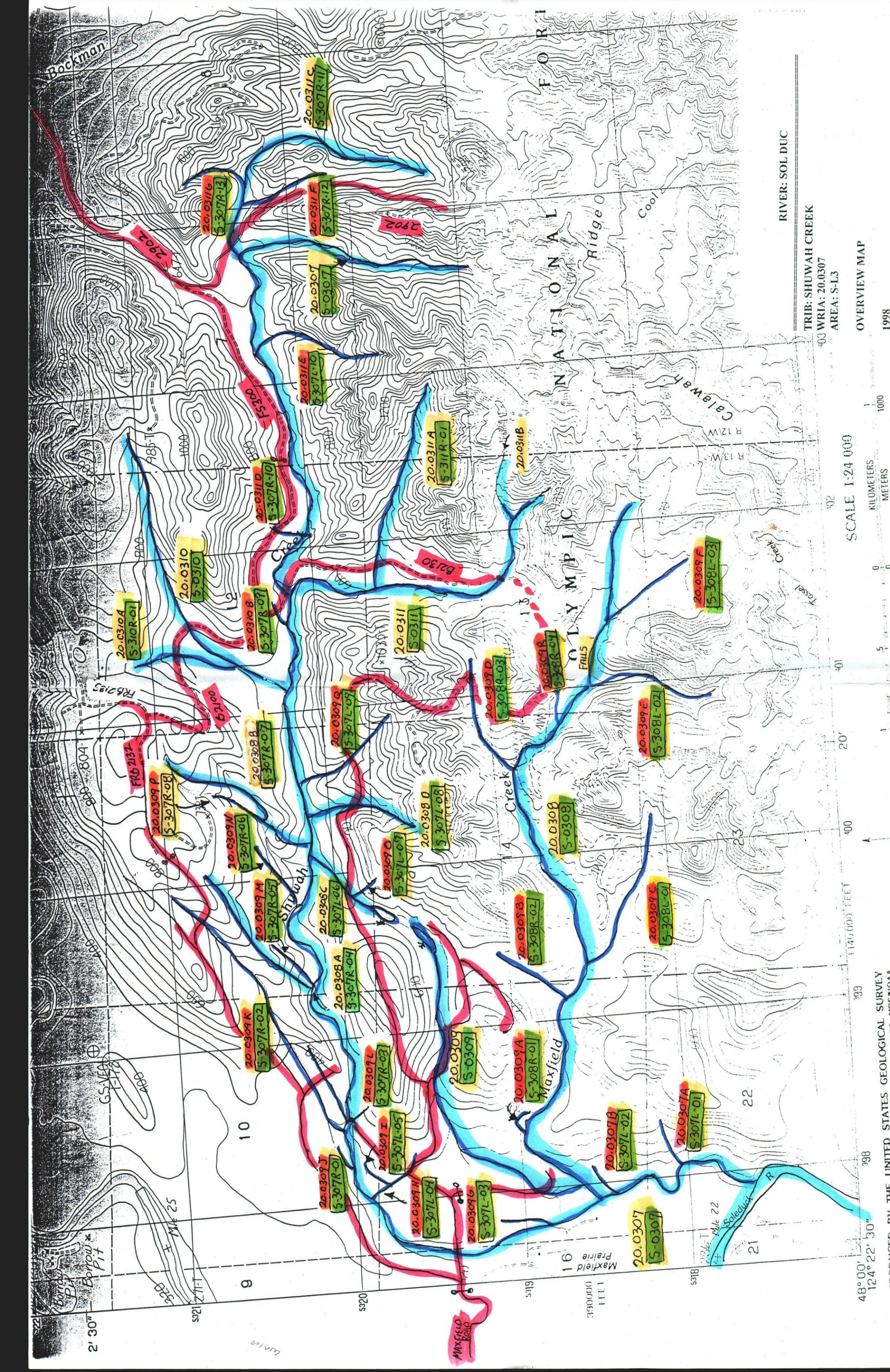
- Replace undersized culvert.

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Aerials | <input checked="" type="checkbox"/> Sketch | <input checked="" type="checkbox"/> Maps | <input checked="" type="checkbox"/> Culvert Report |
| <input type="checkbox"/> Other references | <input type="checkbox"/> Spawning surveys | <input type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |



RIVER: SOL DUC

TRIB: SHUWAH CREEK
 -03 WRIA: 20.0307
 AREA: S-L3

OVERVIEW MAP
 1998

SCALE 1:24 000

KILOMETERS
 METERS

48° 00' 124° 22' 30"

UNITED STATES GEOLOGICAL SURVEY

RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

