

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-310R-01	WRIA: 20.0310A
River Mile Location: 0.18 mi (hip chained)	RB/LB: RB
Local Name: Unnamed	Trib. to: 20.0310
Legal Description: NW¼ Sec12 T29N R13W	County: Clallam
Habitat Type: Lower valley wall tributary	
Landowner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input type="checkbox"/> Private - Washington Dept of Natural Resources	

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 0.5 miles. This culvert crossing is S-310R-01.

Site Overview:

The upper reach of this channel has a step/pool profile and flows through a conifer forest. After the channel crosses a main logging road (B2100), the gradient flattens and appears to have stable winter flows. The channel continues to flow through a conifer forest in the mid and lower reaches where there is an abundance of old LWD as cover. There appears to be some quality winter refuge if low flows are not limiting. There is also some spawning area in the lower reach.

Habitat Information:

Water source: Tributaries and terrace runoff

Intermittent/year-around:

- Year around

Estimated flows (cfs): 0.25 - 0.35

Water temperatures: 8° C

Adjacent stream temperature: 7.5° C (20.0310)

Other water observations:

Site area measurements: Indirect Direct Combination

Widths: Channel- 0.6 m - 1.5 m Ponds- NA Wetlands- NA

Depths: Channel- 7 cm - 15 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 685+ m (maybe some limited trout habitat above end point)

Total existing habitat area (est.): 685 m²

Spawning area: 200 m²

Impounded area: 0

Other rearing area: 485 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The majority of the spawning area is downstream of the B2100 culvert.
- There are some quality gravel/rubble mixture areas but fine sediment is a major component too.
- There is some limited spawning area upstream of the culvert but it may be more conducive to trout.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- Below the B-2100 road culvert, the channel has a slight gradient rise and appears to have stable flows.
- This channel could provide winter rearing and high water refuge.
- Below the culvert, the channel runs through a conifer stand and has large amounts of LWD for cover.
- Upstream of the culvert, the channel flows through a conifer stand and gains gradient.

Describe unaccessible habitat:

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

Flooding potential: Low Medium High

Fish Information:

Site entry condition to (20.0310): 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 some 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:

- None recommended.

Additional Comments:

Attachments Available:

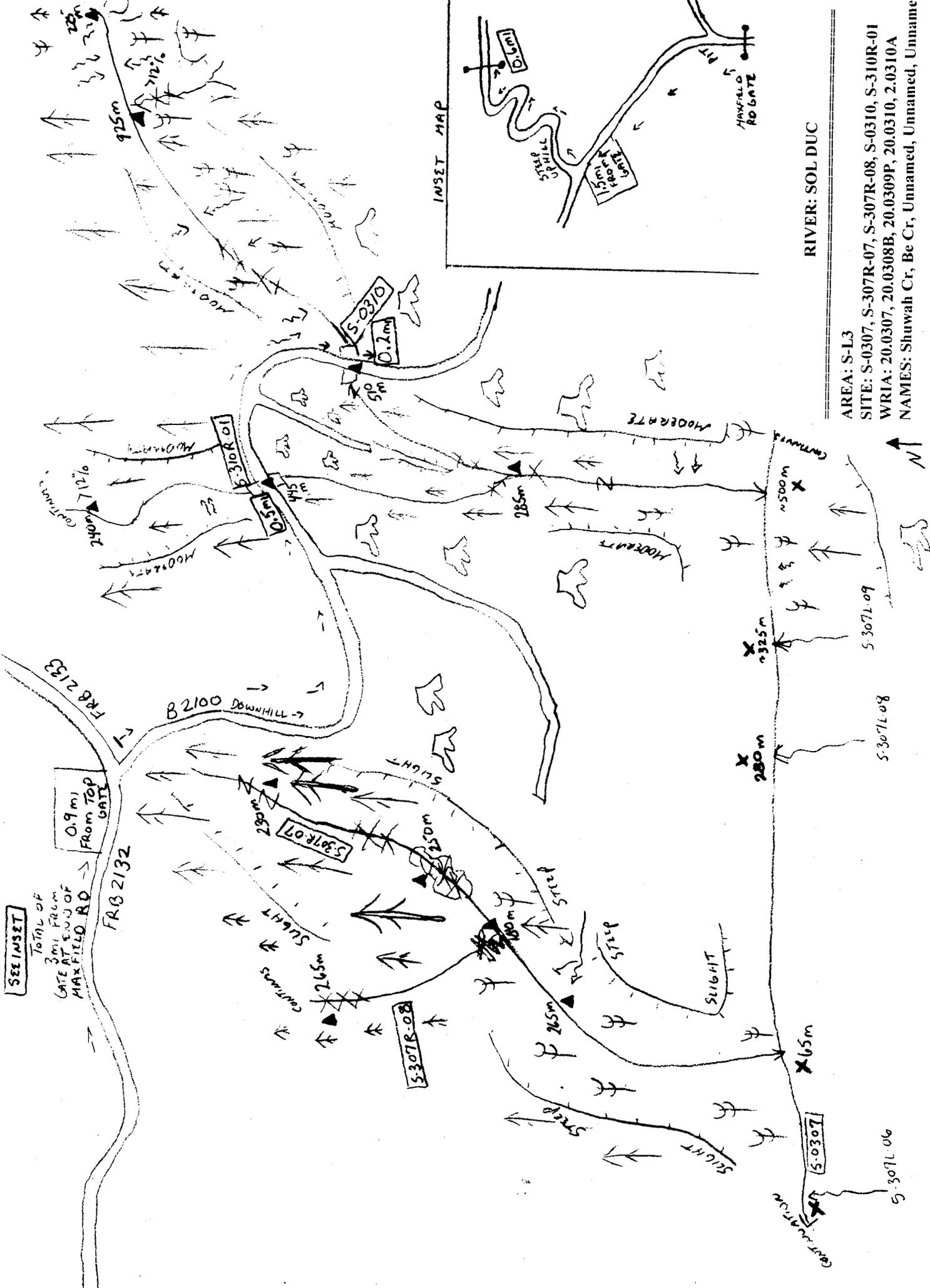
Contact respective SSHEAR habitat biologist for the following checked items:

- | | | | |
|---|--|--|--|
| <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 |

DATE: 8-20-98

OBSERVER: Powell

There was just a trickle of a flow at the bridge crossing.



RIVER: SOL DUC

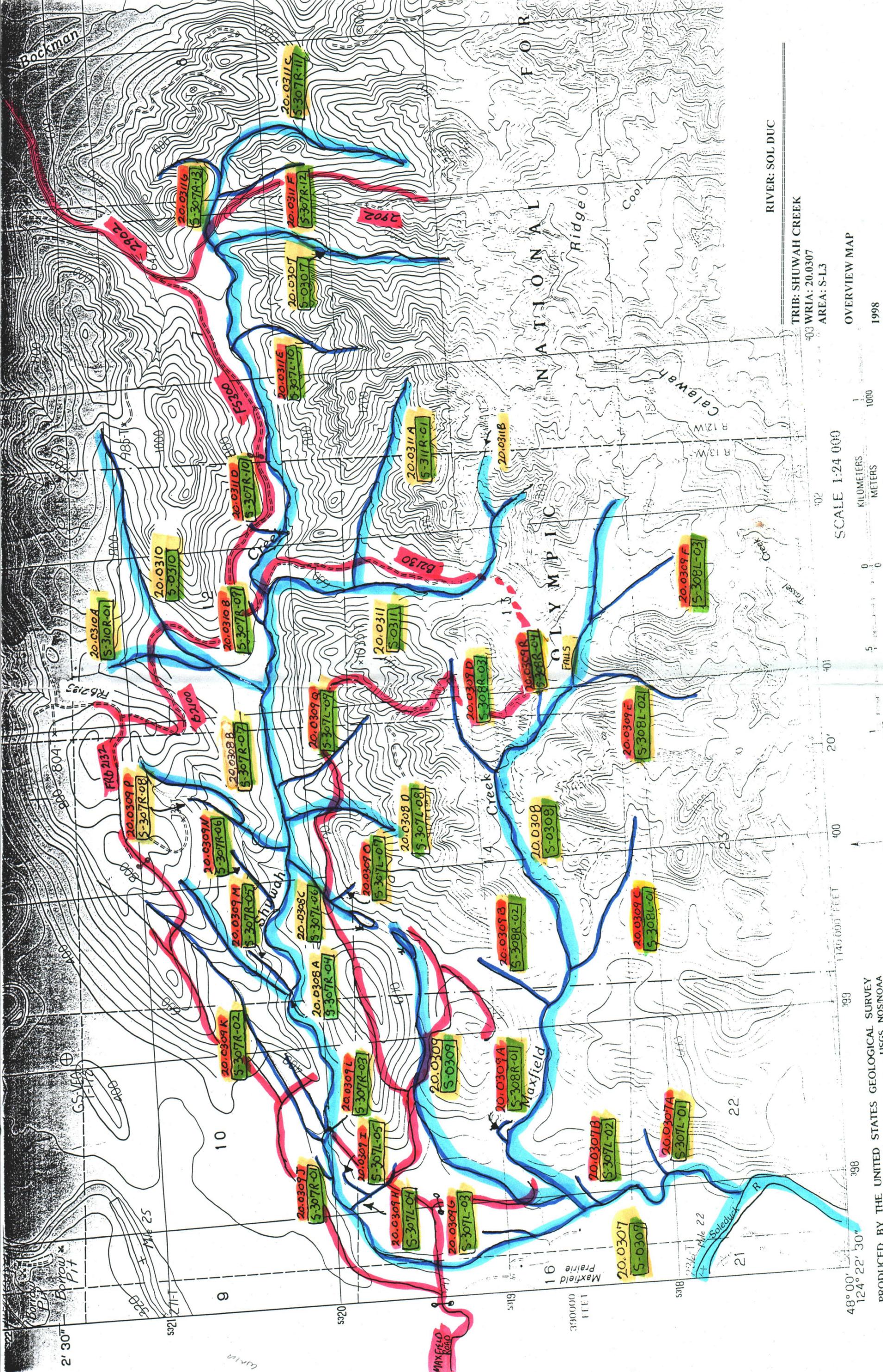
AREA: S-L3
 SITE: S-307R-07, S-307R-08, S-0310, S-310R-01
 WRIA: 20.0307, 20.0308B, 20.0309P, 20.0310, 2.0310A
 NAMES: Shuwah Cr, Be Cr, Unnamed, Unnamed, Unnamed

SEE INSET

TOTAL OF 3mi FROM GATE AT END OF MAXFIELD RD → 0.9mi FROM TOP GATE

INSET MAP





Bockman

F O R I

N A T I O N A L

Ridge

Cool

RIVER: SOL DUC

TRIB: SHUWAH CREEK

03 WRIA: 20.0307

AREA: S-L3

OVERVIEW MAP

1998

SCALE 1:24 000

KILOMETERS
METERS

1140 000 FEET

1140 000 FEET

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
USGS, NOS/NOAA

48° 00' 124° 22' 30"

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RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

