

Total existing habitat area (est.): 3100 m² (accessible)

Spawning area: 2000 m²

Impounded area: 0 m²

Other rearing area: 1100 m²

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Optimum spawning opportunities in lower to mid channel for coho and steelhead.
- There is additional spawning area above blockages

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- Unaccessible upper end would likely contain good rearing area.
- The accessible channel offers little refuge during high water since this system would experience some high flows due to steep gradient tributaries.
- This channel is deep and wide in its lower end; it would offer good summer rearing.
- There is cover of some large woody debris, brush, and a canopy of a mature mix forest that is flagged for cutting.

Unaccessible habitat:

- Midway, the channel flows through a canyon that contains two rock slabs, each having ~ 3 m fall.
- Above this point, channel gradient levels out and offers additional spawning and rearing opportunities.
- At ~850 m, there is a large wetland ~50 m north of the channel. This wetland is not accessible but would offer prime overwintering habitat if it was.
- This wetland is ~200 m long, sourcing from springs and runoff from adjacent wall. It is a large pooled area in an alder bottom with cover of sedges, large organic debris, and water parsley.

Wetland information: Bog Marsh Scrub-shrub Wetland Forested Wetland

- The upper end of this channel (not surveyed) may be a forested wetland.

Flooding potential: Low Medium High

- Lower end may be affected during high water - over bank overflow and backwater.

Fish Information:

Site entry condition to : Poor Fair Good

- Open egress into a bend in the river. Presently, the water moves swiftly at this point.

Coho access and use: Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- Coho fry were observed throughout the lower channel to the canyon.

Other species access and use: Chum Pink Sockeye Res. trout Trout

- This channel would offer spawning for steelhead.
- It is likely that resident trout utilize this system.

Habitat Improvements:

Enhancement opportunities:

- Tie in the unaccessible wetland since this channel offers limited high flow refuge.

Additional Comments:

- The surveyed area has been flagged for cutting.
- There is a grade that is being improved which leads to the area across from the wetland.
- There are two, old stringer bridge failings across the channel which are not a problem.

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 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: 8-20-96

OBSERVER: Powell

There was 1 - 1.5 cfs flow and a temperature of 12.5° C in the section where the channel turns east - west. Numerous 0+ coho and trout fry were observed. The wetland to the north of the east - west bend, was dry. This summer has been drier than normal.

RIVER: SOL DUC

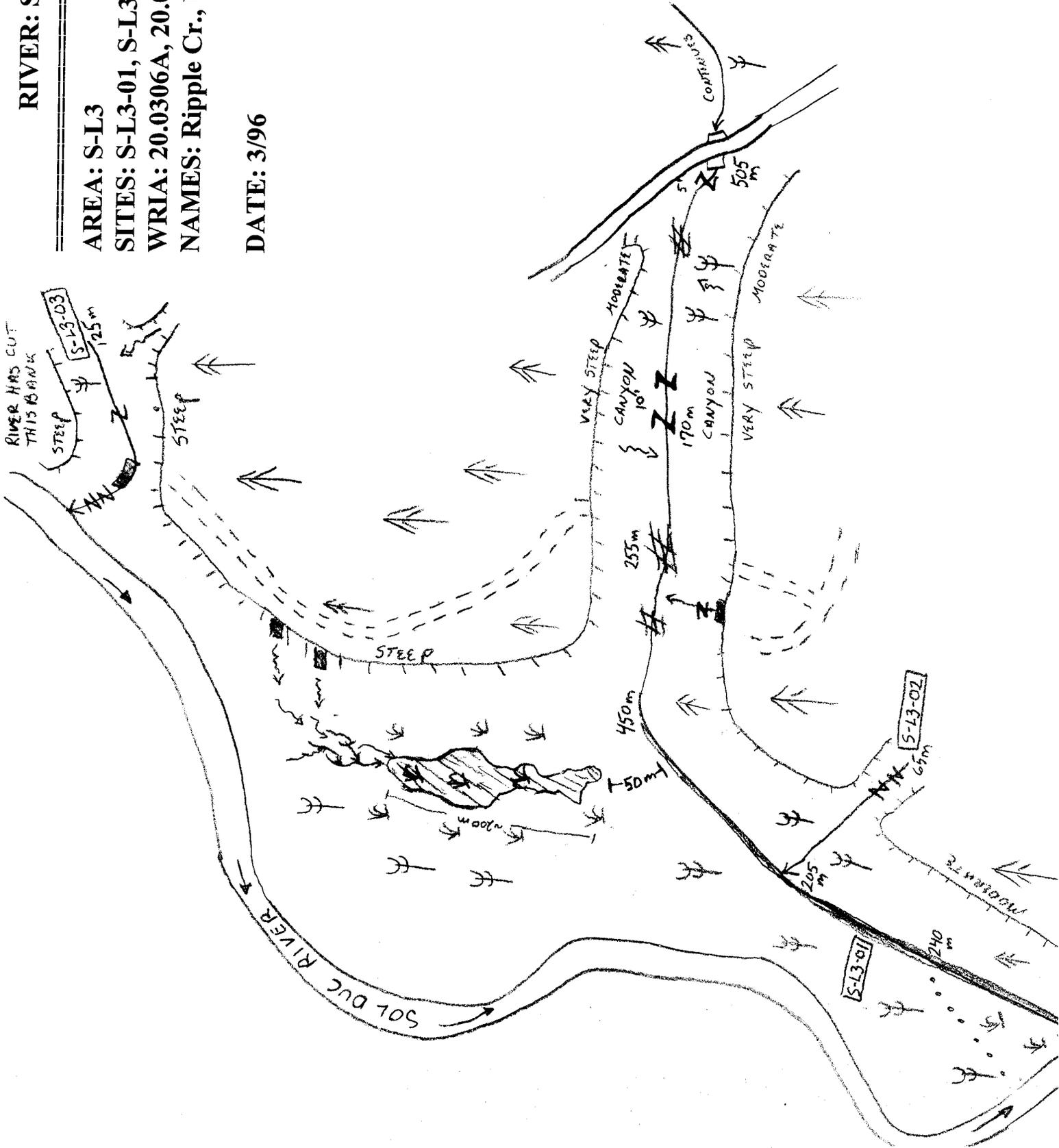
AREA: S-L3

SITES: S-L3-01, S-L3-02, S-L3-03

WRIA: 20.0306A, 20.0306C, 20.0306D

NAMES: Ripple Cr., Unnamed, Unnamed

DATE: 3/96



RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

