



**Total existing habitat area (est.):** 1250 m<sup>2</sup>

Spawning area: 550 m<sup>2</sup>

Impounded area: 0 m<sup>2</sup>

Other rearing area: 700 m<sup>2</sup>

**Spawning habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe spawning habitat:**

- The lower reach has a substrate of gravel and sand and would be more conducive to resident trout spawning.

**Rearing habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe pond and other rearing habitat:**

- This channel has cover of LOD, water parsley and, brush.  
- There is a canopy of alder in the lower end and conifer in the upper end.  
- The left bank, mid reach lacks a canopy due to the blown down RMZ.

**Unaccessible habitat:**

- This channel's boulder/cascade egress would restrict juvenile upstream fish passage at some flows.

**Wetland information:**  Bog  Marsh  Scrub-shrub Wetland  Forested Wetland

- There is water parsley, some sedges, brush and alder, and would have been forested (recently cut).

**Flooding potential:**  Low  Medium  High

**Fish Information:**

**Site entry condition to :**  Poor  Fair  Good

- Egress is cascades through boulders and flows into a swift area of the river.

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

Adult-  Unknown  None  Poor  Fair  Good

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

- Small salmonids (no ID) were observed and cutthroat were minnow trapped.

**Habitat Improvements:**

**Enhancement opportunities:**

- Modify the entrance conditions to allow better fish passage.  
- Install a series of controls to create slack water pools.

**Additional Comments:**

- The channel ends well before the terrace wall meets the river bank, allowing room for a road to go around the upper end of the channel.

**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

**NORTH COAST OFF CHANNEL SURVEY**  
**SUBSEQUENT SITE EVALUATION**

River System: Sol Duc

Site No.: S-R5-01

WRIA: 20.0327B

Site Name: Sappho Springs

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DATE: 5-25-96

OBSERVER: Powell

**MINNOW TRAPPING REPORT**

| TRAP           | DATE SET | TEMP | DATE PULLED | TEMP | COHO |       | RBT | CUTT | COTTID |
|----------------|----------|------|-------------|------|------|-------|-----|------|--------|
|                |          |      |             |      | MRK  | UNMRK |     |      |        |
| 1              | 5/24     | 10°C | 5/25        | 12°C | 0    | 0     | 0   | 0    | 21     |
| 2              | 5/24     | 12°C | 5/25        | 13°C | 0    | 0     | 0   | 1    | 10     |
| 3              | 5/24     | 13°C | 5/25        | 13°C | 0    | 0     | 0   | 2    | 2      |
| <b>TOTALS:</b> |          |      |             |      | 0    | 0     | 0   | 3    | 33     |

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**COMMENTS:**

- Trap 1 was set near the headwaters of the spring.
- Trap 2 was set in the mid-reach of the channel. Many small trout were observed here.
- Trap 3 was set near the lower end of the channel.

DATE: 8-22-96

OBSERVER: Powell

The water flow was ~20 - 30 gpm and the temperature was 11° C. It has been a drier than normal summer. Trout fry were observed.

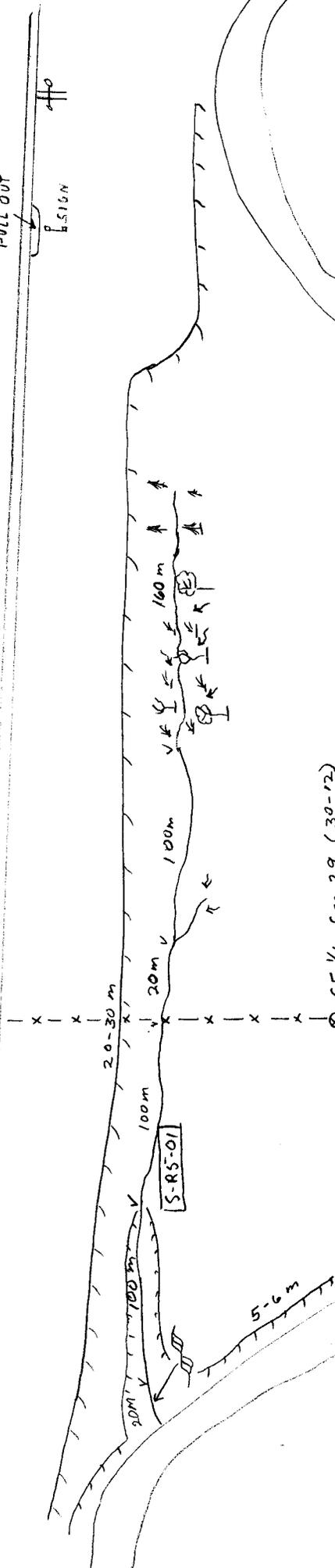
HOH RIVER  
TIMBER CO.



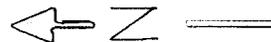
HWY 101

PULL OUT

DESIGN



⊗ SE 1/4 Sec 29 (30-12)



RIVER: SOLEDUCK  
AREA: S-R5  
SITE: S-R5-01  
NAME: SAPPHO SPR.  
DATE: 3/94

SOLEDUCK

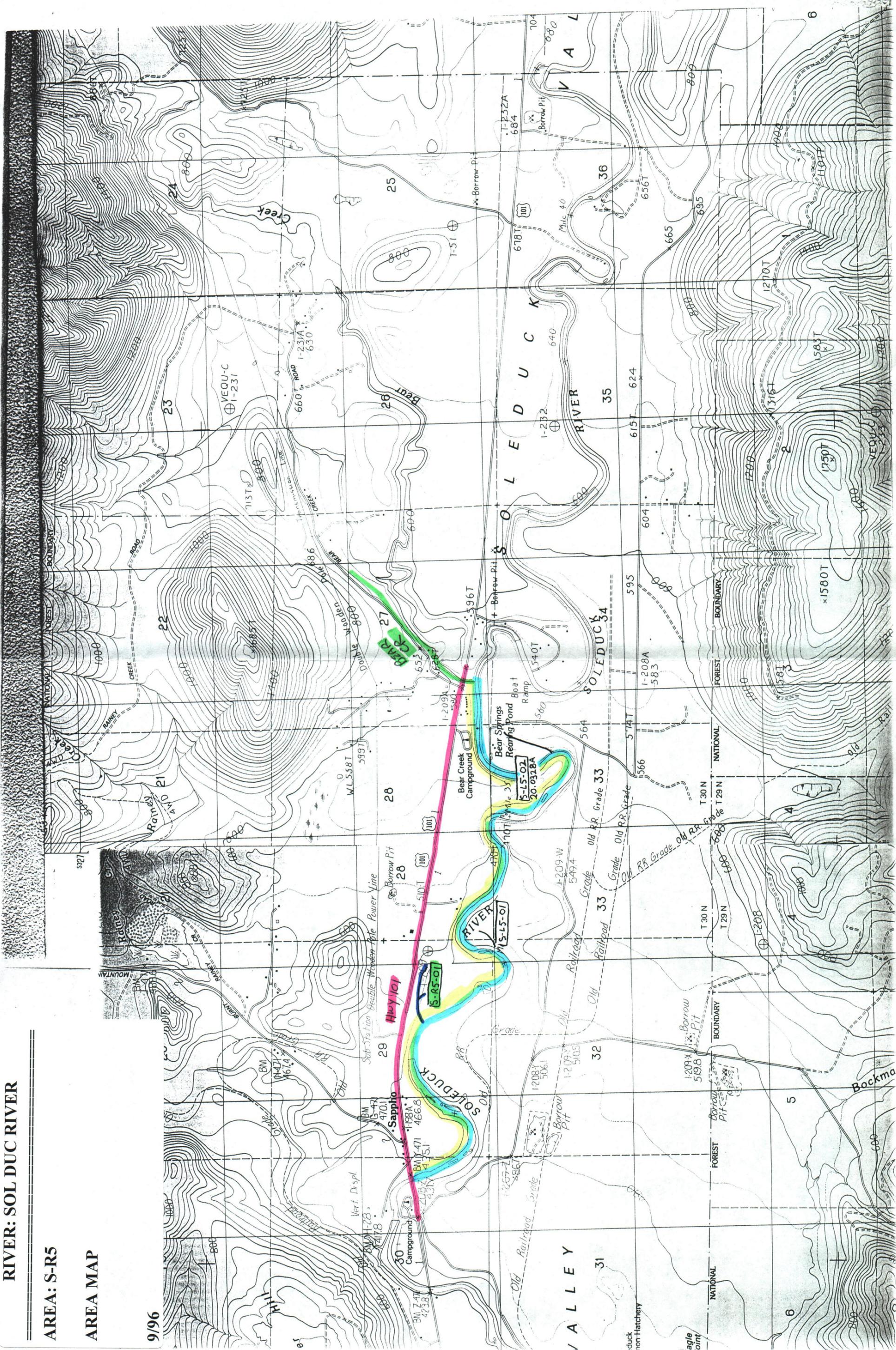
RIVER

RIVER: SOLEDUC RIVER

AREA: S-R5

AREA MAP

9/96



duck  
non-hatchery

agle  
oint