



**Total existing habitat area (est.):** 1,120 m<sup>2</sup>

Spawning area: 30 m<sup>2</sup>

Impounded area: 1000 m<sup>2</sup>

Other rearing area: 90 m<sup>2</sup>

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

**Describe spawning habitat:**

- The majority of the substrate aggregate is <5 cm and fines are <20%

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

**Describe pond and other rearing habitat:**

- The impounded area was created when an old railroad grade was built without a culvert or the culvert failed, causing the water to perk through the fill.

- A beaver dam divides the pond in half.

- The maximum water depth in the pond is 1.0 m. The upper portion is the shallower.

- There is some woody debris in the form of old logs, stumps and one or two new tops, but lacks cover in general.

- The bottom is covered with deep silt.

- The RMZ on the southerly portion of the pond was removed during the last harvest operations. There is partial shade provided by deciduous and mature conifer trees to the west and northerly edges.

- The stream habitat has good but limited rearing capabilities due to small numbers of pools. Most of the pools are shallow and lack cover.

- Shade is provided by 30 - 40-year old deciduous/conifer RMZ.

**Describe unaccessible habitat:**

- The pond is unaccessible.

**Describe wetland:**  Bog  Marsh  Scrub-shrub Wetland  Forested Wetland

- Shallow water, mucky substrate, sedges on the perimeter, aquatic vegetation in the shallows, some woody debris and stumps.

- This marsh is located on the southern edge of the pond.

**Flooding potential:**  Low  Medium  High

**Fish Information:**

**Site entry condition to (Boot Creek 20.0324B):**  Poor  Fair  Good

- Egresses into a pool at the base of a cascade.

**Coho use:**

Juvenile-  Unknown  None  Poor  Fair  Good

Adult-  Unknown  None  Poor  Fair  Good

- On 2/8/00 three minnow traps were set. On 2/9/00 the traps were checked. Five coho and two cottid were captured below the road.

- Two presumed coho redds were observed during this survey.

**Other species use:**  Chum  Pink  Sockeye  Chinook  Trout

- On 2/1/00 three minnow traps were set. On 2/2/00 the traps were checked. Two cutthroat trout and 20 cottid were captured in the pond.

**Habitat Improvements:**

**Enhancement opportunities:**

Possible project type:

- Fish passage through the road grade.

- Additional cover structures in pond.

- Maintain the integrity of the channel.

**Additional Comments:**

- G.P.S. readings: Taken but not recorded
- This stream had carcass seeding in the fall of 1999.

**Attachments Available:**

**Contact respective SSHEAR habitat biologist for the following checked items:**

- |   |  |   |   |
|---|--|---|---|
| <input 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 checked="" type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

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

River System: Sol Duc

Site No.: S-324R-09  
Site Name: Arch Creek  
WRIA: 20.0324S (P)

DATE: 2/8/00 - 2/9/00

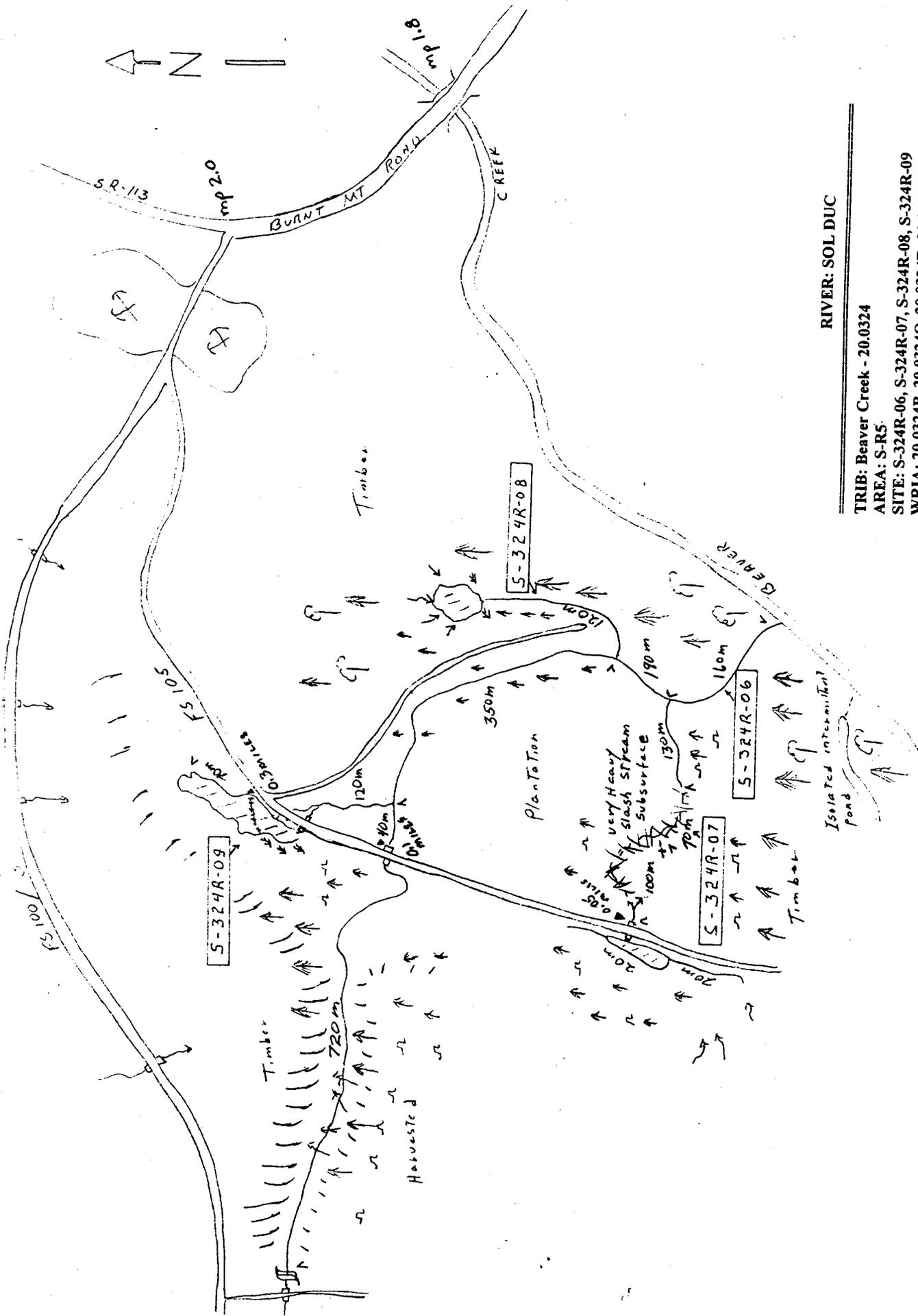
OBSERVER: Darrow, Nettnin

**MINNOW TRAPPING REPORT**

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT			
						RBT	CUTT	0+	
1	2/1	6.0°C	2/2	6.5°C	0	0	1	0	12
2	2/1	6.0°C	2/2	6.5°C	0	0	1	0	8
3	2/8	7.0°C	2/9	7.0°C	5	0	0	0	2
<b>TOTALS:</b>					5	0	2	0	22

**COMMENTS:**

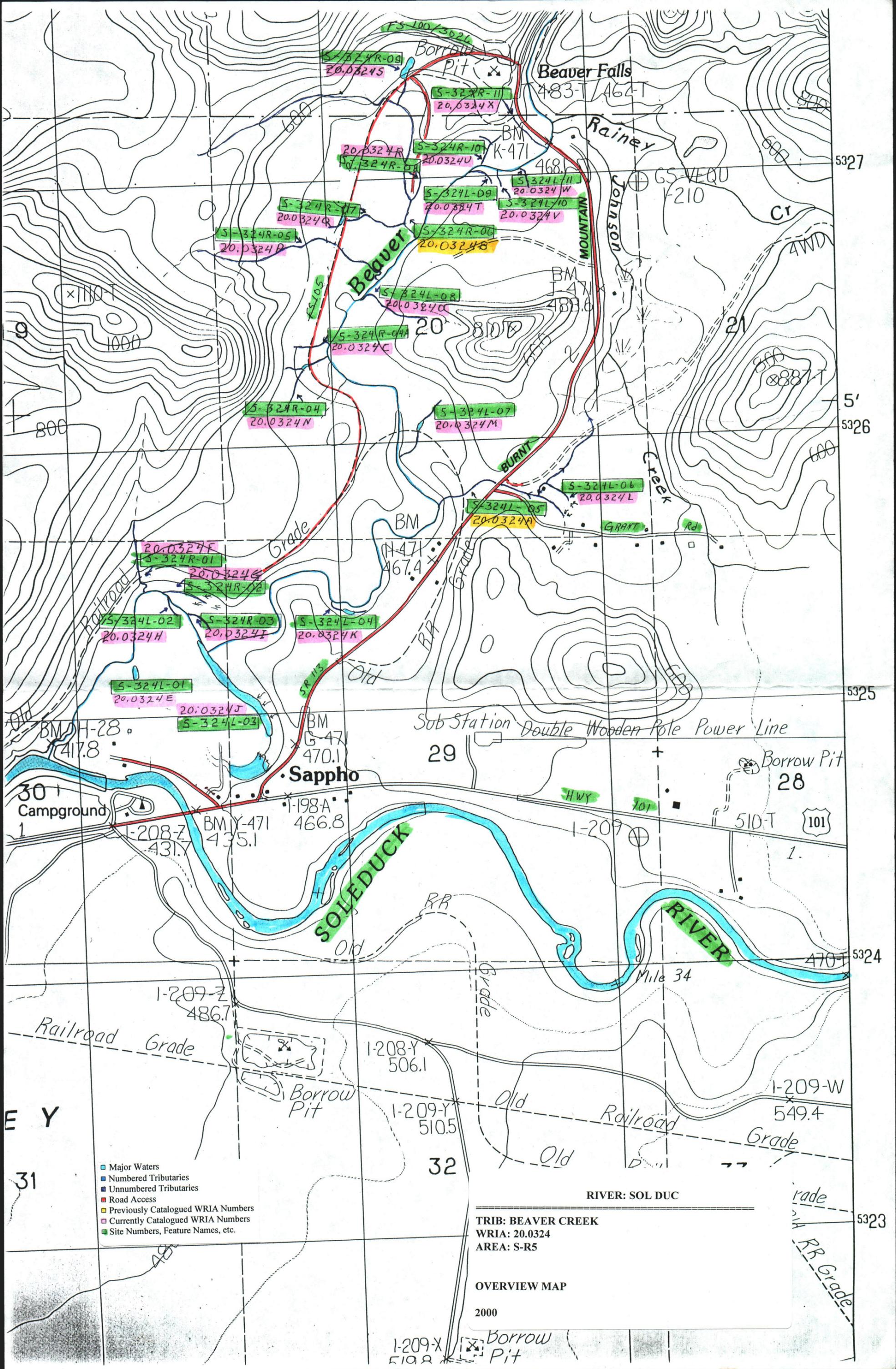
- Trap 1 was placed in the southerly end of the pond, in a channel leading to the overflow pipe.
- Trap 2 was placed alongside the road, upstream (northerly) side of the outlet.
- Trap 3 was placed 30 meters below the road grade.
- One red legged frog was also captured in trap number 1.
- All traps were baited with salmon roe.



**RIVER: SOL DUC**

TRIB: Beaver Creek - 20.0324  
 AREA: S-R5  
 SITE: S-324R-06, S-324R-07, S-324R-08, S-324R-09  
 WRIA: 20.0324B, 20.0324Q, 20.0324R, 20.0324S  
 NAMES: Boot Cr, Heel Cr, Lace Cr, Arch Cr

DATE: 7/00



- Major Waters
- Numbered Tributaries
- Unnumbered Tributaries
- Road Access
- Previously Catalogued WRIA Numbers
- Currently Catalogued WRIA Numbers
- Site Numbers, Feature Names, etc.

RIVER: SOL DUC

TRIB: BEAVER CREEK  
 WRIA: 20.0324  
 AREA: S-R5

OVERVIEW MAP  
 2000

1-209-X  
 510.2  
 Borrow Pit