

Total existing habitat area (est.): 500 m²

Spawning area: 30 m²

Impounded area: 200 m²

Other rearing area: 270 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The substrate aggregate is small material with numerous fines.
- The riffles are small and limit the spawning area.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The impounded area above the road is less than 60 cm deep. It has limited cover provided by emergent aquatic vegetation and it has poor overhead shading.
- There are numerous pools with abundant woody debris and bank overhangs in the reach up to where the stream reemerges from under the logging debris.
- Shade is provided by 15 - 20-year old deciduous trees, brush and scattered conifers.

Describe unaccessible habitat:

- There is about 160 m² of stream habitat and 200 m² of pond habitat above the point where the stream emerges from under the logging debris.
- This section of the stream appeared to be inaccessible but coho were captured in the pond.
- The lack of connectivity of this channel during average flows makes it questionable if there is a loss/stranding of fish.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- NA

Flooding potential: Low Medium High

Fish Information:

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

- Egresses into a small back eddy along a glide.

Coho use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- On 2/1/00 three minnow traps were set. Two above the road and one below the road.
- On 2/2/00 the traps were checked. Nine coho were captured above the road and nothing was captured below the road.

Other species use: Chum Pink Sockeye Chinook Trout

No trout were identified. It is assumed they use this channel.

Habitat Improvements:

Enhancement opportunities:

Possible project type:

- Restore channel to a free flowing stream.
- Make culvert fish friendly. The culvert would have a 30 to 60-cm plunge onto a flat surface if the present woody debris dam was removed.
- Enlarge and deepen the pond.
- Maintain the integrity of the channel.

Additional Comments:

- G.P.S. readings: Taken but not recorded

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 checked="" 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-07
 Site Name: Heel Creek
 WRIA: 20.0324Q (P)

DATE: 2/1/00 - 2/2/00

OBSERVER: Darrow, Nettin

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						TROUT RBT	TROUT CUTT	0+	
1	2/1	6.0°C	2/2	6.5°C	4	0	0	0	0
2	2/1	6.0°C	2/2	6.5°C	5	0	0	0	0
3	2/1	6.0°C	2/2	6.5°C	0	0	0	0	0
TOTALS:					9	0	0	0	0

COMMENTS:

- Trap 1 was placed at the northerly end of the pond above the road.
- Trap 2 was placed just above the outlet of the pond above the road.
- Trap 3 was placed in the plunge pool of the culvert from the pond.
- All traps were baited with salmon roe.

DATE: 1/29 - 1/30/01

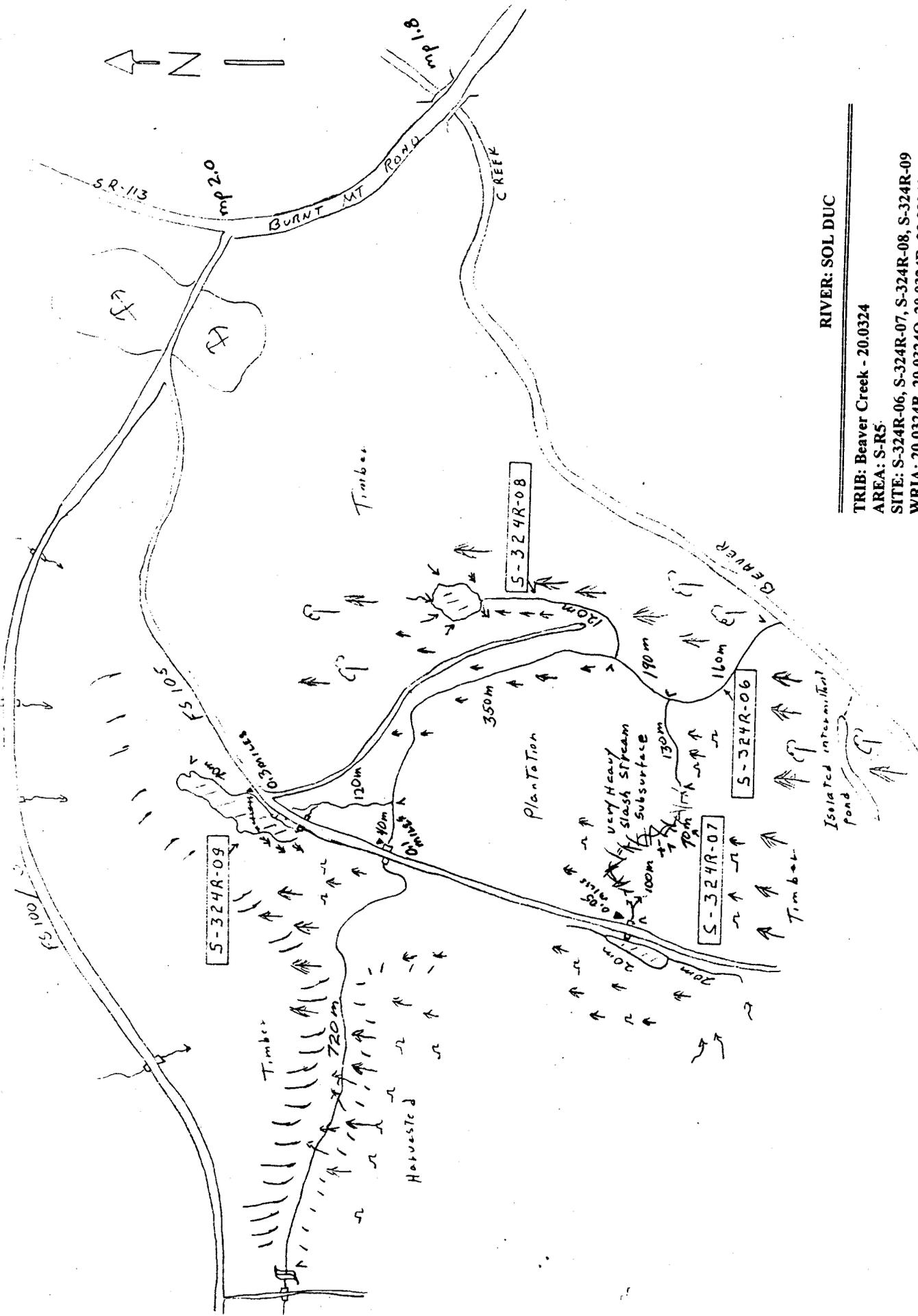
OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						TROUT RBT	TROUT CUTT	0+	
1	1/29	6.5°C	1/30	6.5°C	0	0	0	0	0
2	1/29	6.5°C	1/30	6.5°C	0	0	0	0	0
TOTALS:					0	0	0	0	0

COMMENTS:

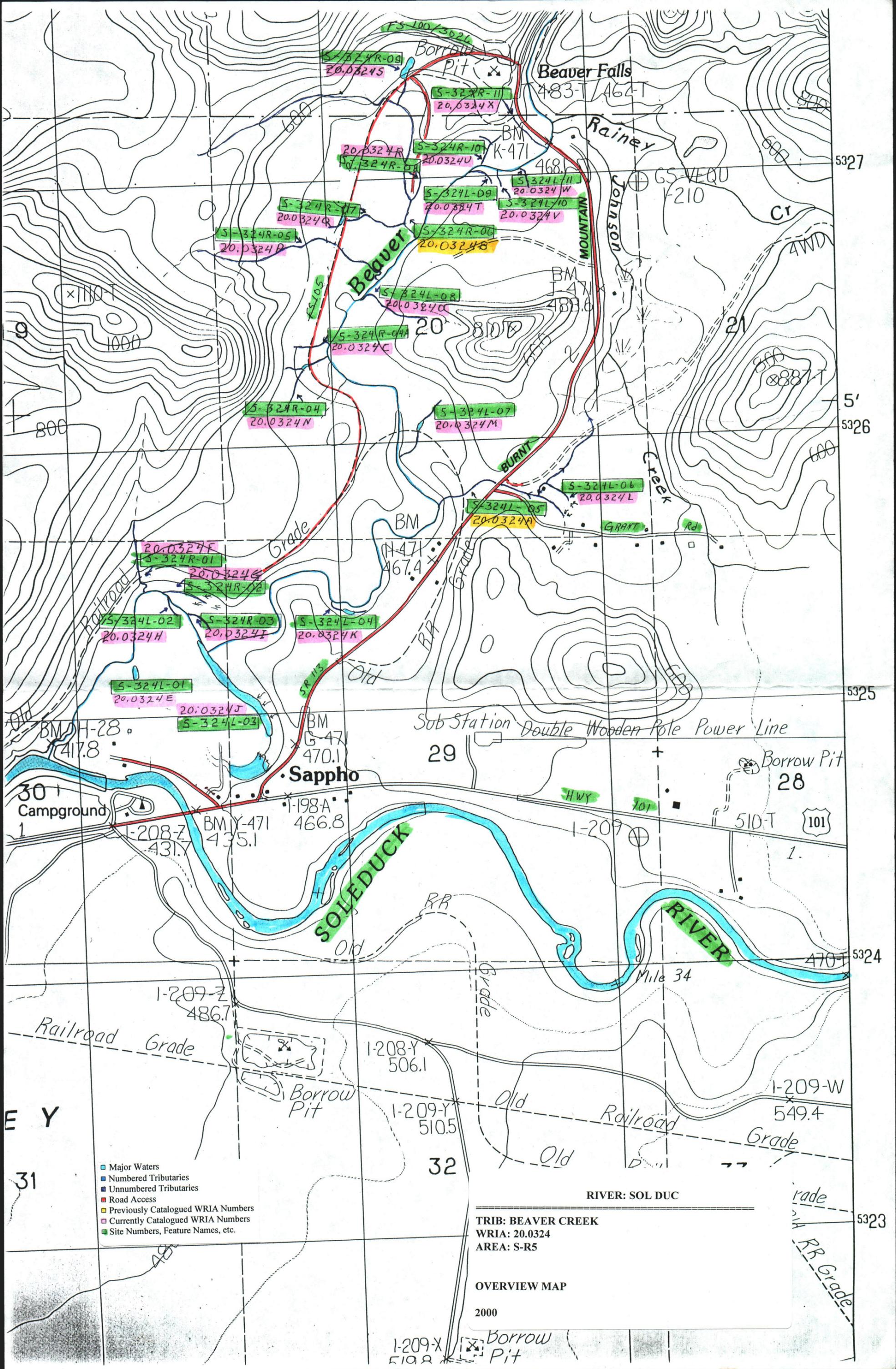
- Trap 1 was placed about 2 m above the culvert under FS-105 road.
- Trap 2 was placed about 7m above the culvert.
- Coho fry were captured in this pond last year, however there were better flows to follow through the debris.
- All traps were baited with salmon roe.



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
 519.2
 Borrow Pit