



**Total existing habitat area (est.):** 1,480 m<sup>2</sup>

Spawning area: 480 m<sup>2</sup>

Impounded area: 00 m<sup>2</sup>

Other rearing area: 1,000 m<sup>2</sup>

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

**Describe spawning habitat:**

- The substrate aggregate is angular and has few fines.
- There has been a recent movement of the bedload. Possibly, culvert cleaning has allowed the shift to occur.
- The reach below the road has the best coho spawning habitat.

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

**Describe pond and other rearing habitat:**

- The marsh at the lower end of the channel, with dense sedge and low gradient is the best area for coho rearing. However, it is shallow except for the main channel, coho fry can become stranded in the braids as the flow drops and there is very little overhead shade.
- The reach from just above the marsh to RM 0.2 is lacking in woody debris and pool habitat.
- The rest of the stream favors trout. The reach from RM 0.2 - RM 0.6 contains more suitable stream habitat of pools, woody debris, and bank overhangs.
- The stream above the marsh is well shaded by a 50 - 70 year old conifer/deciduous forest.

**Describe unaccessible habitat:**

- There is about 1000 m<sup>2</sup> of stream habitat above the FS 105 culvert at RM 0.18.
- This section of the stream has a gradient of 6% - 12%.
- The first 100 m reach upstream of the road is similar to that just below the road. The next, upstream reach has an abundance of woody debris providing pools and cover.

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

- Small (20 - 20 m wide) soft, mucky substrate area covered with dense sedge.
- Shallow channel 3 - 15 cm and numerous shallow <3 cm braids. Some of the braids become disconnected which can result in fish stranding.

**Flooding potential:**  Low  Medium  High

- Flashy flows during rainy events.

**Fish Information:**

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

- Good entrance conditions when flows are high. The first 10 m reach flows subsurface under an alder tree then flows over a 0.3 m clay fall.
- Egresses into a small back eddy along a glide.

**Coho use:**

Juvenile-  Unknown  None  Poor  Fair  Good

Adult-  Unknown  None  Poor  Fair  Good

- 0+ fry were observed in small numbers on 2/22/00. Increased numbers were observed subsequent visits. The first 0.1 mi. of channel was well stocked with young of the year.
- One carcass was observed in the stream. At least one pair of spawners was successful due to the large numbers of 0+ fry that were observed. It is not known if spawners use this stream every year.
- On 2/1/00, three minnow traps were set, one above the road and two below the road. On 2/2/00 the traps were checked, One cottid was captured above the road and nothing captured below the road. The lowest trap was set about 10 meters above the presumed

redd site.

**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:

- A plank control at the outlet of the wetland to improve overall depth.
- Make culvert fish friendly.
- Maintain the integrity of the channel.

**Additional Comments:**

- G.P.S. readings: Not Taken

**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-05  
Site Name: Gladhand Creek  
WRIA: 20.0324P (P)

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

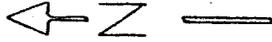
OBSERVER: Darrow, Nettnin

**MINNOW TRAPPING REPORT**

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

**COMMENTS:**

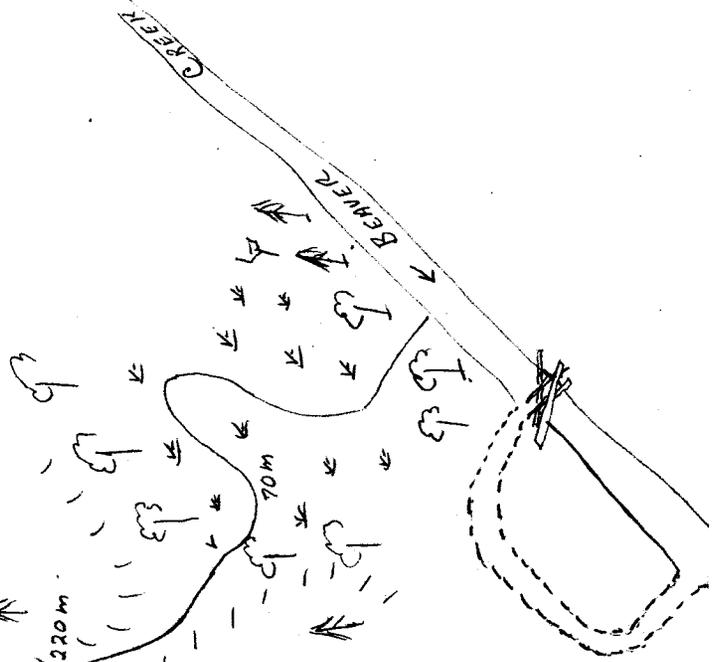
- Trap 1 was placed about 20 meters above the road grade.
- Trap 2 was placed about 20 meters below the road grade.
- Trap 3 was placed about 50 meters below the road grade.
- All traps were baited with salmon roe.



Clear cut



S-324R-05

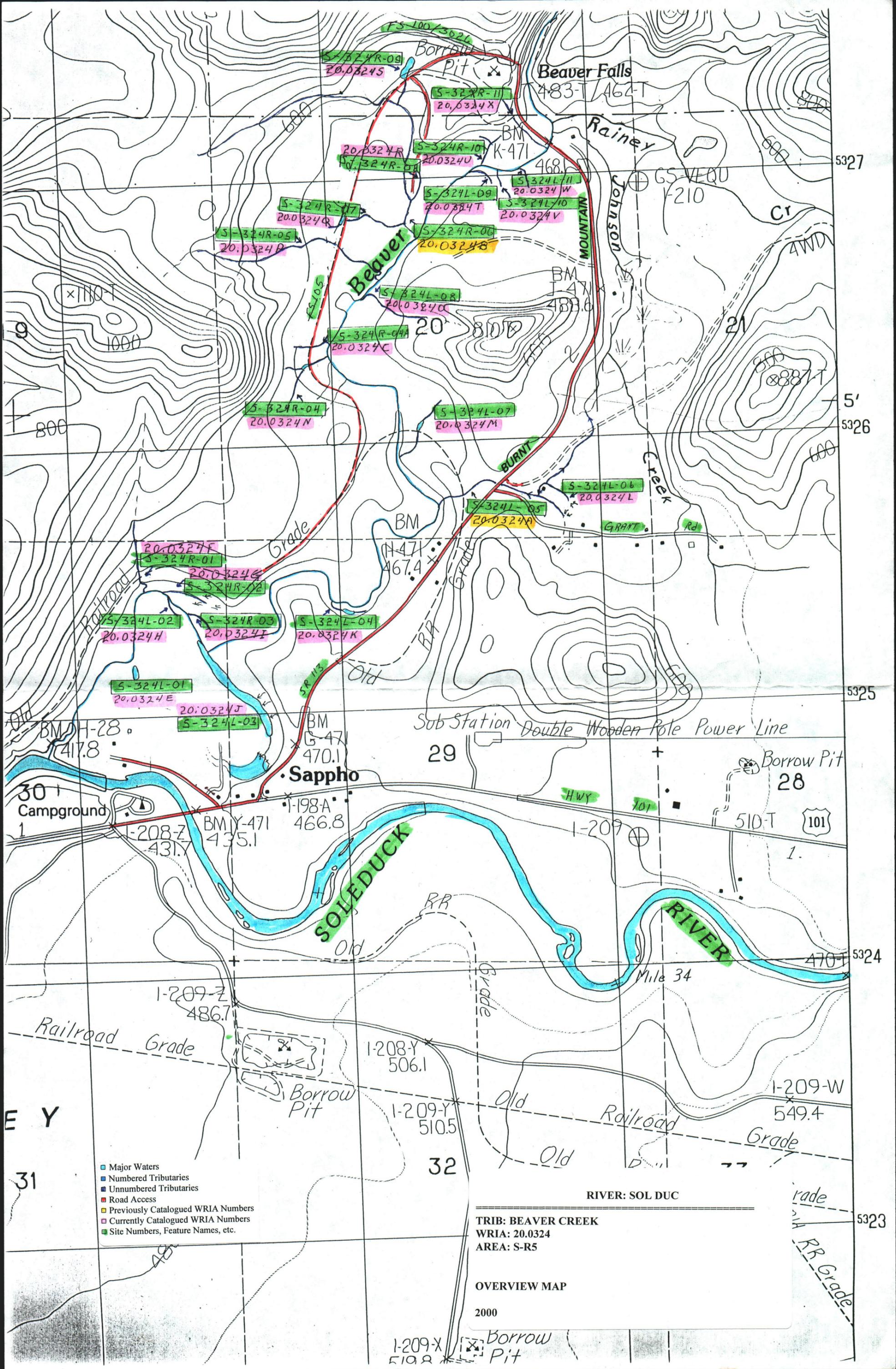


RIVER: SOL DUC

TRIB: Beaver Creek - 20.0324  
 AREA: S-R5  
 SITE: S-324R-05  
 WRIA: 20.0324P  
 NAMES: Gladhand Creek

DATE: 7/00

S-324R-05  
 North from Forks on highway 101 to M.P. 203.9. Turn left onto SR 113 and follow for 2.0 miles. Turn left onto FS 100 go through the rock pit. Take the immediate left onto the FS 105 and follow for 0.6 miles to the stream crossing. This is S-324R-05



- 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