

STATE OF WASHINGTON  
**DEPARTMENT OF FISH & WILDLIFE**  
**LANDS AND RESTORATION SERVICES PROGRAM**  
Salmonid Screening, Habitat Enhancement &  
Restoration Division (SSHEAR)

**OFF-CHANNEL SITE INVENTORY DATA**

**General Information:**

<b>Region:</b> North Coast	<b>Observer(s):</b> Nettnin
<b>River System:</b> Sol Duc	<b>Date:</b> 5/8/01
<b>Site Identifier:</b> S-324R-17	<b>WRIA:</b> 20.0324X
<b>River Mile Location:</b> 6.5	<b>RB/LB:</b> RB
<b>Local Name:</b> Unnamed	<b>Trib. to:</b> Beaver Creek (20.0324)
<b>Legal Description:</b> NW ¼, Sec 11, T30N, R12W	<b>County:</b> Clallam

**Habitat Type:** Valley wall tributary

**Landowner:**  Federal  State  County  Other Government  Private  
- Unknown private ownership, possibly Crown Pacific and Rayonier Timber Operations Company  
- Department of Natural Resources

**Directions to site:** North from Forks to M.P. 203.9. Turn left onto SR 113 (Burnt Mountain Road). Follow for 5.1 miles to FSR-3006 road (unmarked). Follow the FSR-3006 for 0.4 miles to Beaver Creek crossing. Follow the right bank of Beaver Creek upstream for about 470 meters to S-324R-17.

**Site Overview:** This valley wall tributary is the second largest tributary above the lake. The source is on a ridge that divides the Bear Creek, tributary 20.0328 and Beaver Creek drainage basins. It has about 450 acres of forest land in the drainage. About 160 acres of second growth timbers have recently been logged. The rest of the drainage is 50 - 80-year old second growth. This stream flows through a V-notch valley with an overall gradient of about 10%. There are short reaches with 18% cascades. There is also a three-step cascade of two, 1- meter falls and a 3- meter fall within a seven-meter reach. This stream has both spawning and rearing habitat for trout and sculpin.

**Habitat Information:**

**Water source:** Tributaries, springs and surface runoff

**Intermittent/year-around:** Year-around

**Estimated flows (cms):** Lower end: 0.05 - 0.08 Upper end: 0.005- 0.007  
On 4/10/01 the flow was about 0.006

**Water temperatures:** Lower end: 7.5°C Upper end: 7.0°C

**Adjacent stream temperature (Upper Beaver Creek):** 4.5°C

**Other water observations:** Water is clear

**Site area measurements:**  Indirect  Direct  Combination

Widths: Channel- 2.0 - 4.0 m Ponds- NA Wetlands- NA

Depths: Channel- 10 - 50 cm Ponds- NA Wetlands- NA

Total length surveyed: 1900 m\*

\*Did not reach the end of usable fish habitat. Also, there are two associated tributaries that have usable fish habitat that were not surveyed.

**Total existing habitat area (est.):** 2,600 m<sup>2</sup>

Spawning area: 100 m<sup>2</sup>

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

Other rearing area: 5,600 m<sup>2</sup>

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

**Describe spawning habitat:**

- Downstream of the falls, spawning is limited to the areas upstream of several log jams in this reach. The jams presently hold the gravel in place. Cobble and rubble are the dominant substrates elsewhere.

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

**Describe pond and other rearing habitat:**

- The channel is moderate in gradient.
- Instream cover is provided by some woody debris, bank overhangs, overhanging brush, and boulders.
- The stream is susceptible to high flows.
- Overhead cover is provided by primarily a hardwood canopy and brush adjacent to the stream. There are conifers outside of the hardwood fringe.
- There is no pond habitat associated with this stream.

**Describe unaccessible habitat:**

- There is 700 meters of mainstem was surveyed mainstem. There is an additional approximately 700 meters of tributary and 200 meters of mainstem that were not surveyed.
- No fish were observed in the reach above the falls.
- The overall gradient is 7 - 10%.

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

- NA

**Flooding potential:**  Low  Medium  High

- The channel is susceptible to high flows on rain events and flushing flows during rain on snow events.

**Fish Information:**

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

- Egress into a pool with woody debris and root overhang.

**Coho access and use:**

Juvenile-  Unknown  None  Poor  Fair  Good

Adult-  Unknown  None  Poor  Fair  Good

- This channel is upstream of an anadromous barrier.

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

- During the survey, fish were observed up to the falls.

- No fish were observed upstream of the falls.

**Habitat Improvements:**

**Enhancement opportunities:**

- Possible project type:  
- Maintain the integrity of the stream.  
Equipment access - None

**Additional Comments:** In the area of the falls, the harvest operations reached through the riparian area to harvest the left bank acreage. The impact does not appear to be severe. There may also have been an area where a tailhold stump was pulled off the bank into the stream. The impact does not appear severe.

**Attachments Available:**

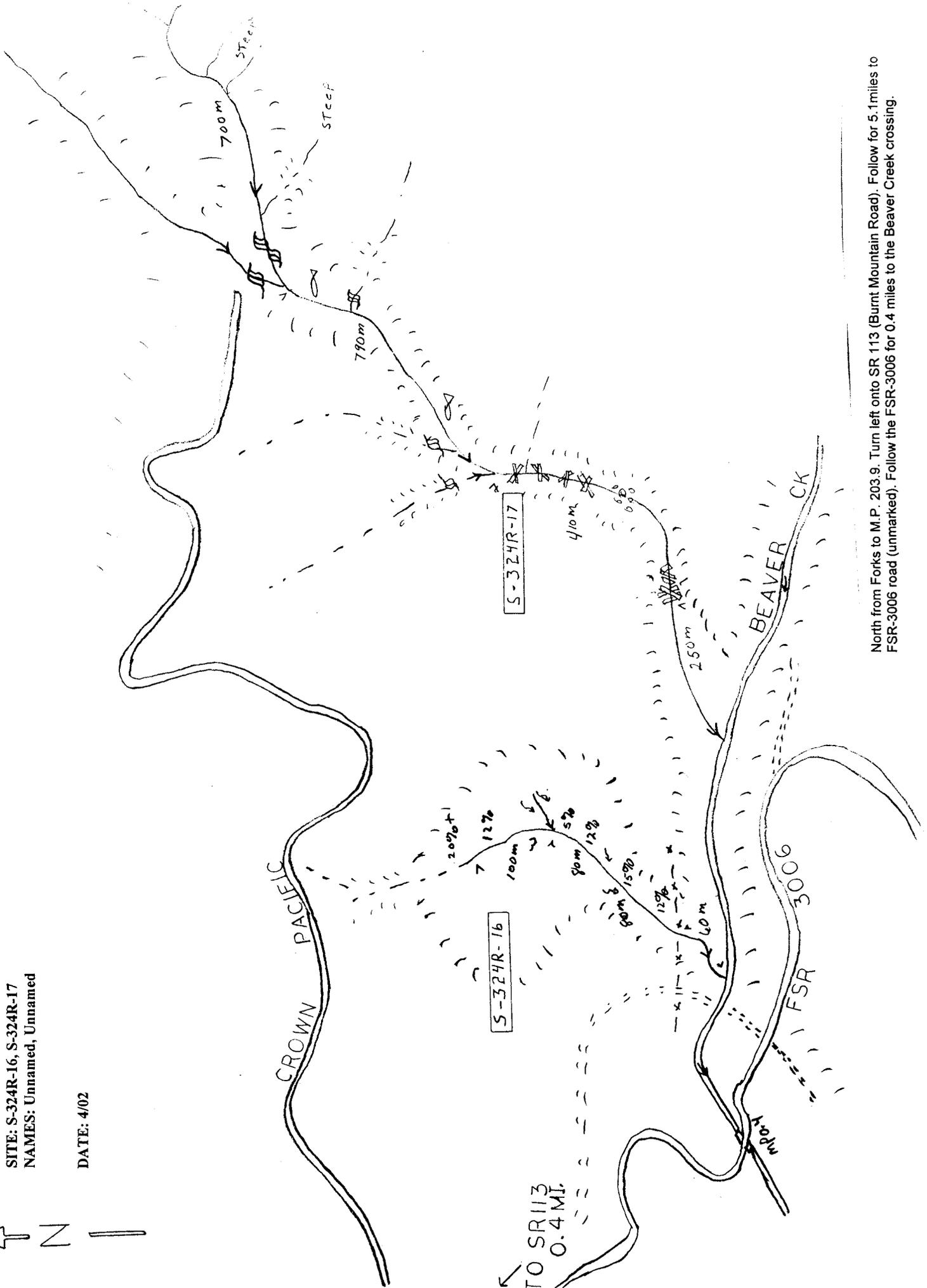
**Contact respective SSHEAR habitat biologist for the following checked items:**

- |   |  |  |   |
|---|--|--|---|
| <input type="checkbox"/> Aerials          | <input checked="" type="checkbox"/> Sketch | <input 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 |

RIVER: SOL DUC

TRIB: Beaver Creek - 20.0324  
AREA: S-R5  
SITE: S-324R-16, S-324R-17  
NAMES: Unnamed, Unnamed

DATE: 4/02



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