

**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> Powell         |
| <b>River System:</b> Sol Duc   | <b>Date:</b> 4/6/99                |
| <b>Site Identifier:</b> S-329L-13  | <b>WRIA:</b> 20.0334S (P)          |
| <b>River Mile Location:</b> 9.36   | <b>RB/LB:</b> LB                   |
| <b>Local Name:</b> Unnamed   | <b>Trib. to:</b> Bear Cr (20.0329) |
| <b>Legal Description:</b> SE¼ Sec10 T30N R11W  | <b>County:</b> Clallam             |
| <b>Habitat Type:</b> Valley wall tributary   |                                    |
| <b>Landowner:</b> (X) Federal () State () County () Other Government () Private<br>- National Forest, USFS |                                    |

**Directions to site:**

Starting at Forks (Tillicum Park), drive north on Highway 101 for 16.3 miles (mp 208) to West Twin Road (FS 30 Road). Take a left on this road and follow for 6.25 miles. Park in this location and cross Bear Creek. Channel is within this area.

**Site Overview:**

This is a high gradient channel that has springs emanating from the left bank in the lower reach. During the survey, the majority of the water in the channel was contributed to the spring influence. This channel has a step/pool profile for about 40 meters. The gradient increases more than 20% and the flows become nominal above this point. The physical characteristics of the stream are more conducive to resident trout. Flow would be a limiting factor.

**Habitat Information:**

**Water source:** Springs and surface runoff

**Intermittent/year-around:**

- Probably year-around

**Estimated flows (cfs):** 0.75

**Water temperatures:** 6.5° C

**Adjacent stream temperature:** 5° C (20.0329)

**Other water observations:**

**Site area measurements:** () Indirect (X) Direct () Combination

|         |                        |           |              |
|---------|------------------------|-----------|--------------|
| Widths: | Channel- 0.5 m - 1.3 m | Ponds- NA | Wetlands- NA |
| Depths: | Channel- 2 cm - 10 cm  | Ponds- NA | Wetlands- NA |

Total length (includes ponds and wetlands): 40 m

**Total existing habitat area (est.):** 35 m<sup>2</sup>

Spawning area: 10 m<sup>2</sup>

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

Other rearing area: 25 m<sup>2</sup>

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

**Describe spawning habitat:**

- There is gravel amongst cobble and boulders.
- Spawning habitat is conducive to resident trout.

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

**Describe pond and other rearing habitat:**

- This is a high gradient channel (greater than 15%) with a step/pool profile for the first 40 meters.
- There is cover of large woody debris and overhang.
- The riparian area is conifer.
- Numerous springs from the left bank contributed much of the flow during the survey.
- Resident trout may utilize the lower reach of this channel.

**Describe unaccessible habitat:**

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

**Flooding potential:**  Low  Medium  High

- This channel probably experiences high flows within its self.

**Fish Information:**

**Site entry condition to (20.0329):**  Poor  Fair  Good

- This channel has an open egress into Bear Creek.

**Coho access and use:**

Juvenile-  Unknown  None  Poor  Fair  Good  
Adult-  Unknown  None  Poor  Fair  Good

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

- Resident trout probably utilize this channel in the lower reach.

**Habitat Improvements:**

**Enhancement opportunities:**

**Additional Comments:**

**Attachments Available:**

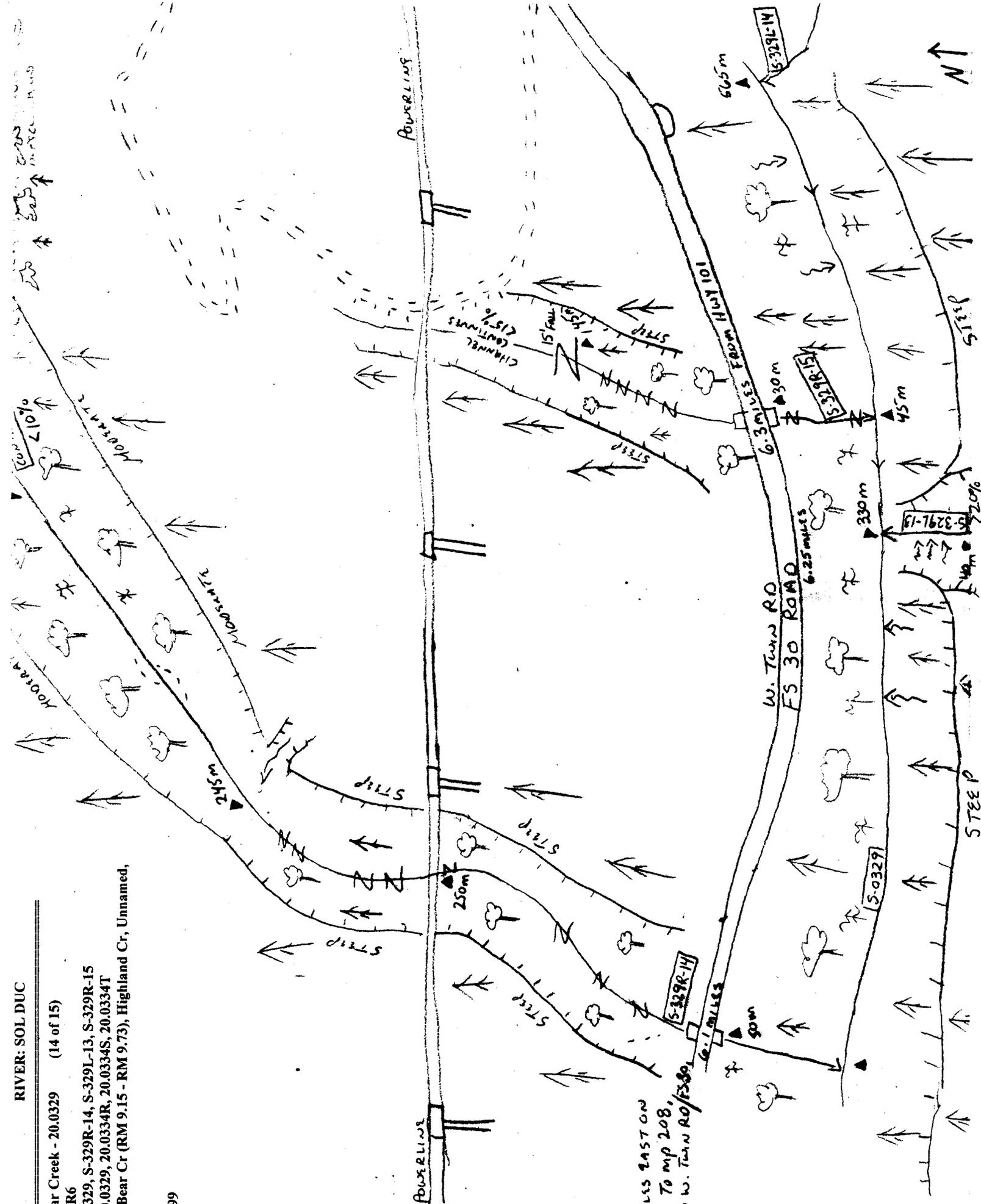
**Contact respective SSHEAR habitat biologist for the following checked items:**

Aerials                       Sketch                       Maps                       Culvert Report  
 Other references               Spawning surveys               Juvenile trapping               Fishway Report

RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (14 of 15)  
AREA: S-R6  
SITE: S-0329, S-329R-14, S-329L-13, S-329R-15  
WRIA: 20.0329, 20.0334R, 20.0334S, 20.0334T  
NAMES: Bear Cr (RM 9.15 - RM 9.73), Highland Cr, Unnamed,  
Unnamed

DATE: 4/99



16.3 miles east on  
Hwy 101 to mp 208,  
left on W. Turn Rd/FS 30

