

**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> 2/2/00
<b>Site Identifier:</b> S-329R-05	<b>WRIA:</b> 20.0333F?(P)
<b>River Mile Location:</b> 6.1	<b>RB/LB:</b> RB
<b>Local Name:</b> Red Rock Creek	<b>Trib. to:</b> 20.0329 (Bear Cr)
<b>Legal Description:</b> NE¼ Sec18 T30N R11W	<b>County:</b> Clallam
<b>Habitat Type:</b> Valley wall tributary	
<b>Landowner:</b> (X) Federal ( ) State ( ) County ( ) Other Government ( ) Private - 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 3.3 miles. This culvert crossing is S-329R-05 - it is 0.2 miles up the road from the bridge crossing.

**Site Overview:**

This is a small moderate to a high gradient channel that experiences flashing flows. The lower reach from the road to the egress is ~ 3% gradient. There are some pools due to a few wood pieces and boulders. There is an alder/brush canopy and a few scattered conifers. The substrate has a rock and silt component; it is not optimum spawning material. Upstream of the road crossing, the channel becomes incised and steadily increases in gradient. Alder and brush are dominant but there are conifers on the steep side slopes. There are some pieces of woody debris in the incised reach and a larger gravel component to the substrate. The survey ended at a large bedrock fall. The physical characteristics of this stream are more conducive to resident trout if flows are not limiting.

**Habitat Information:**

**Water source:** Tributaries and surface runoff

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

**Estimated flows (cfs):** 3

**Water temperatures:** 6° C

**Adjacent stream temperature:** 6° C

**Other water observations:** High flow due to snowmelt/rain on the day of initial survey.  
- On 4/5/00 (dry spring), there was about 35 - 50 gpm flowing from the culvert.

**Site area measurements:**  Indirect  Direct  Combination

Widths: Channel- 1 m - 2 m Ponds- NA Wetlands- NA

Depths: Channel- 8 cm - 30 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 260 m (did not survey upstream of falls)

**Total existing habitat area (est.):** 350 m<sup>2</sup>

Spawning area: 75 m<sup>2</sup>

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

Other rearing area: 275 m<sup>2</sup>

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

**Describe spawning habitat:**

- Downstream of the road, the substrate has a rock and silt component with areas of gravel.
- There is gravel upstream of the road but there is a large silt component.
- Small areas of gravel are more conducive to resident trout.

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

**Describe pond and other rearing habitat:**

- Downstream of the road, there are some pools associated with a few pieces of woody debris and some boulders.
- Overhang and brush provides cover in the various reaches. Alder is the prominent canopy with some scatter conifers.
- Upstream of the power lines, there are some large and small woody debris pieces.
- The gradient maintains ~ 3% to the road crossing. It then becomes increasingly steep to the bedrock falls.
- This channel is more characteristically a cutthroat stream if flows are not limiting.

**Describe unaccessible habitat:**

- The culvert on the FS 30 Road is a barrier to migration.
- Upstream of the falls, the channel gradient appears to maintain > 20%.

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

**Flooding potential:**  Low  Medium  High

- This channel appears to have flashing flows.

**Fish Information:**

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

- There is 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

- This stream may be conducive to resident trout if flows are not limiting.

**Habitat Improvements:**

**Enhancement opportunities:**

- Culvert on the FS 30 Road is a barrier.

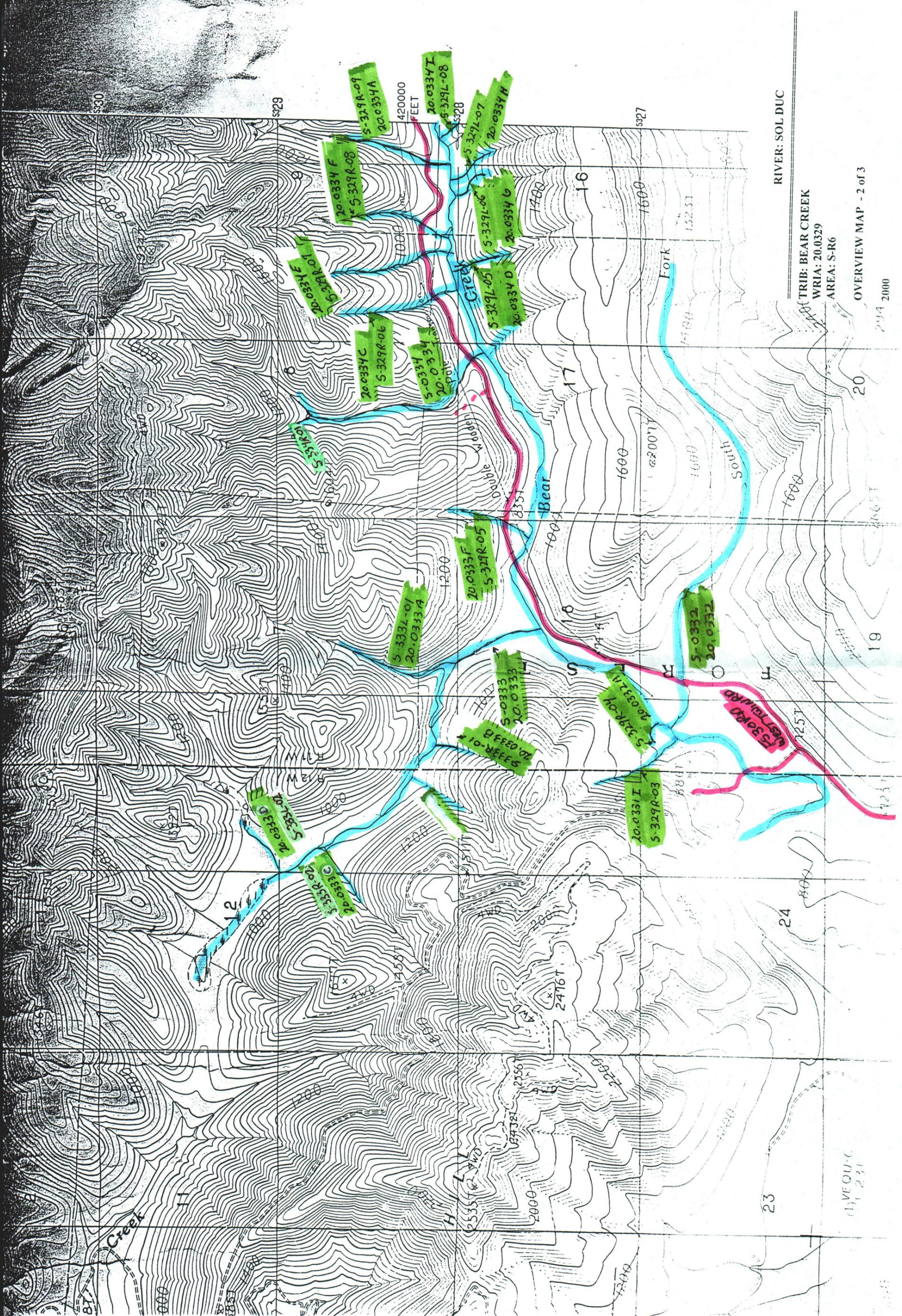
**Additional Comments:**

**Attachments Available:**

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

- |  |  |  |  |
|--|--|--|--|
| <input checked="" type="checkbox"/> Aerials          | <input checked="" type="checkbox"/> Sketch | <input checked="" type="checkbox"/> Maps   | <input checked="" type="checkbox"/> Culvert Report |
| <input checked="" type="checkbox"/> Other references | <input type="checkbox"/> Spawning surveys  | <input type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report            |





RIVER: SOL DUC

TRIB: BEAR CREEK  
WRIA: 20.0329  
AREA: S-R6

OVERVIEW MAP - 2 of 3

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