

**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:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 2/2/00
Site Identifier: S-329L-05	WRIA: 20.0334D (P)
River Mile Location: 7.2	RB/LB: LB
Local Name: Unnamed	Trib. to: 20.0329 (Bear Cr)
Legal Description: NE¼ Sec17 T30N R11W	County: Clallam
Habitat Type: Valley wall tributary	
Landowner: (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 4.15 miles. This culvert crossing is S-329R-06. Follow this channel to Bear Creek. Cross Bear Creek and follow upstream for a short distance. S-329L-05 will be the first encountered left bank tributary.

Site Overview:

This is a small moderate to a high gradient channel that experiences variable flows. The lower reach is characterized as an alder flat composed of large trees. Upstream of this section, the channel flows through an area that is down cutting. There are few pools in the lower reach; it is predominantly a riffle type channel. The substrate has areas of gravel but a large silt component too. Further upstream, the channel becomes incised and steadily increases in gradient. Alders are dominant but there are conifers on the steep side slopes. There are some pieces of woody debris in the incised reach and rock is the prominent substrate material. The survey ended in a steep bedrock area. 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:

- Probably intermittent

Estimated flows (cfs): 1.5

Water temperatures: 6° C

Adjacent stream temperature: 5.5° C

Other water observations: High flow due to snowmelt/rain on the day of initial survey.

Site area measurements: Indirect Direct Combination

Widths: Channel- 1 m - 1.5 m Ponds- NA Wetlands- NA

Depths: Channel- 7 cm - 10 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 195 m (did not survey upstream of falls)

Total existing habitat area (est.): 225 m²

Spawning area: 50 m²

Impounded area: 0 m²

Other rearing area: 175 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The substrate in the lower reach has gravel and a high silt component.
- Rock and bedrock become prominent in the upper, incised reach.
- Small areas of gravel are more conducive to resident trout.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The lower reach lacks wood debris and associated pools. The channel is characterized as a riffle.
- Large alder is the dominant overstory in the lower reach. It is characterized as an alder flat.
- The incised reach has few pieces of woody debris, and has an alder canopy with some smaller conifer on the steep side slopes.
- The gradient becomes increasingly steep in the incised reach and bedrock is prominent.
- This channel is more characteristically a cutthroat stream if flows are not limiting.

Describe inaccessible habitat:

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:

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

Aerials

Sketch

Maps

Culvert Report

Other references

Spawning surveys

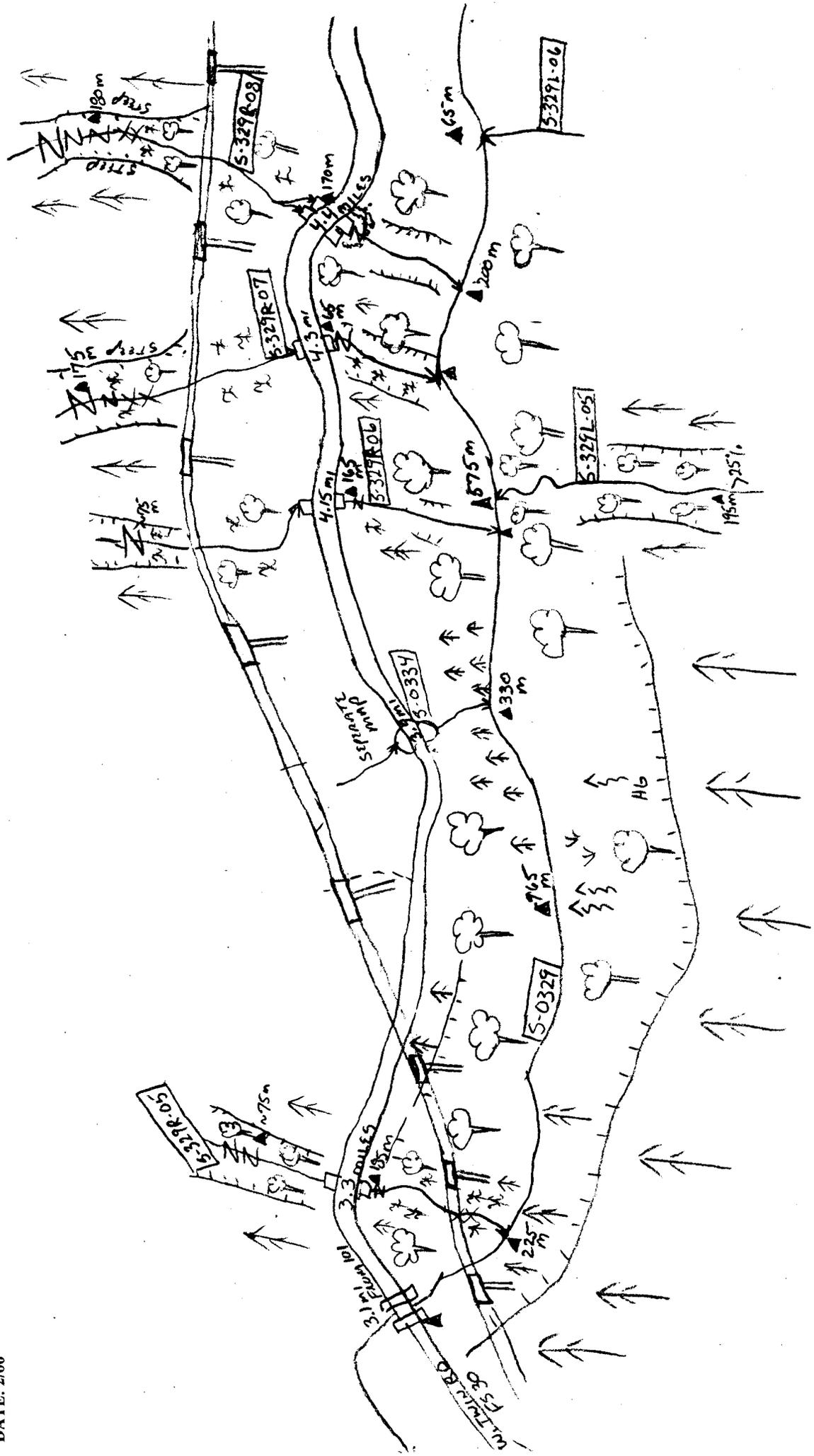
Juvenile trapping

Fishway Report

RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (10 of 15)
AREA: S-R6
SITE: S-0329, S-329R-05, S-329R-06, S-329L-05, S-329R-07, S-329R-08
WRIA: 20.0329, 20.0333F, 20.0334C, 20.0334D, 20.0334E, 20.0334F
NAMES: Bear Cr (RM 5.97 - RM 7.42), Red Rock Cr, Unnamed, Unnamed, Unnamed, Unnamed

DATE: 2/00



16.3 miles east on
Hwy 101 to mp 208.

