

**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: 4/16/99
Site Identifier: S-329L-14	WRIA: 20.0334U (P)
River Mile Location: 9.7	RB/LB: LB
Local Name: Slump Creek	Trib. to: Bear Cr (20.0329)
Legal Description: SW¼ Sec11 T30N R11W	County: Clallam
Habitat Type: Spring Creek	
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 6.6 miles; there will be a turnout to the right. Park at the turnout and walk across Bear Creek. The channel is in this area.

Site Overview:

This small spring channel offers some limited, quality rearing habitat for the upper area of Bear Creek. The upper reach has a pooled area that is formed by wood piles/beaver debris. It is surrounded by conifer and brush, and has adequate woody debris. The pool appears accessible during higher flows. The outflow channel is narrow and goes through an open brush area. The side slopes appeared to have slumped due to spring action. Numerous coho fry were observed utilizing the channel during the survey.

Habitat Information:

Water source: Springs and surface runoff

Intermittent/year-around:

- Probably year-around

Estimated flows (cfs): 0.5

Water temperatures: 6.5° C

Adjacent stream temperature: 6° C (20.0329)

Other water observations:

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

Widths: Channel- 0.5 m - 1.5 m Ponds- 3 - 5 m Wetlands- NA

Depths: Channel- 5 cm - 25 cm Ponds- 0.2 - 1 m Wetlands- NA

Total length (includes ponds and wetlands): 375 m

Total existing habitat area (est.): 335 m²

Spawning area: 50 m²

Impounded area: 120 m²

Other rearing area: 165 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The lower reach has a gravel/cobble substrate but low flows would be limiting.
- A mud/gravel substrate was prominent throughout most of this channel.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The upper reach is a long pool that appears to stay watered.
- There is cover of woody debris in the pool.
- Little aquatic vegetation was observed in the pond. There is stunted alder along the perimeter and conifer on the outside edge of the pool.
- The outflow channel goes through some woody debris accumulations which may be a barrier during low flows.
- The mid reach is an open area and lacks cover. The channel is narrow but has deep sections. Springs emanate from slumps on both banks.
- The lower reach has cover of small woody debris and brush. There is a canopy of alder and small conifer.

Describe unaccessible habitat:

- There is a large, old log that helps form the pond; the bottom edge is close to the water surface. Wood debris and mud has accumulated next to it. The pond may be unaccessible at times.
- There is some wood accumulation downstream of the pond. It may be a barrier during low flows.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

Flooding potential: Low Medium High

Fish Information:

Site entry condition to (20.0329): Poor Fair Good

- Open egress to Bear Creek.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- Numerous fry were observed up to the woody debris accumulations - below the pond.

Other species access and use: Chum Pink Sockeye Chinook Trout

- Resident trout probably utilize this channel.

Habitat Improvements:

Enhancement opportunities:

- No equipment access.
- Manipulate woody debris piles to provide better access to pool area.

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

RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (15 of 15)

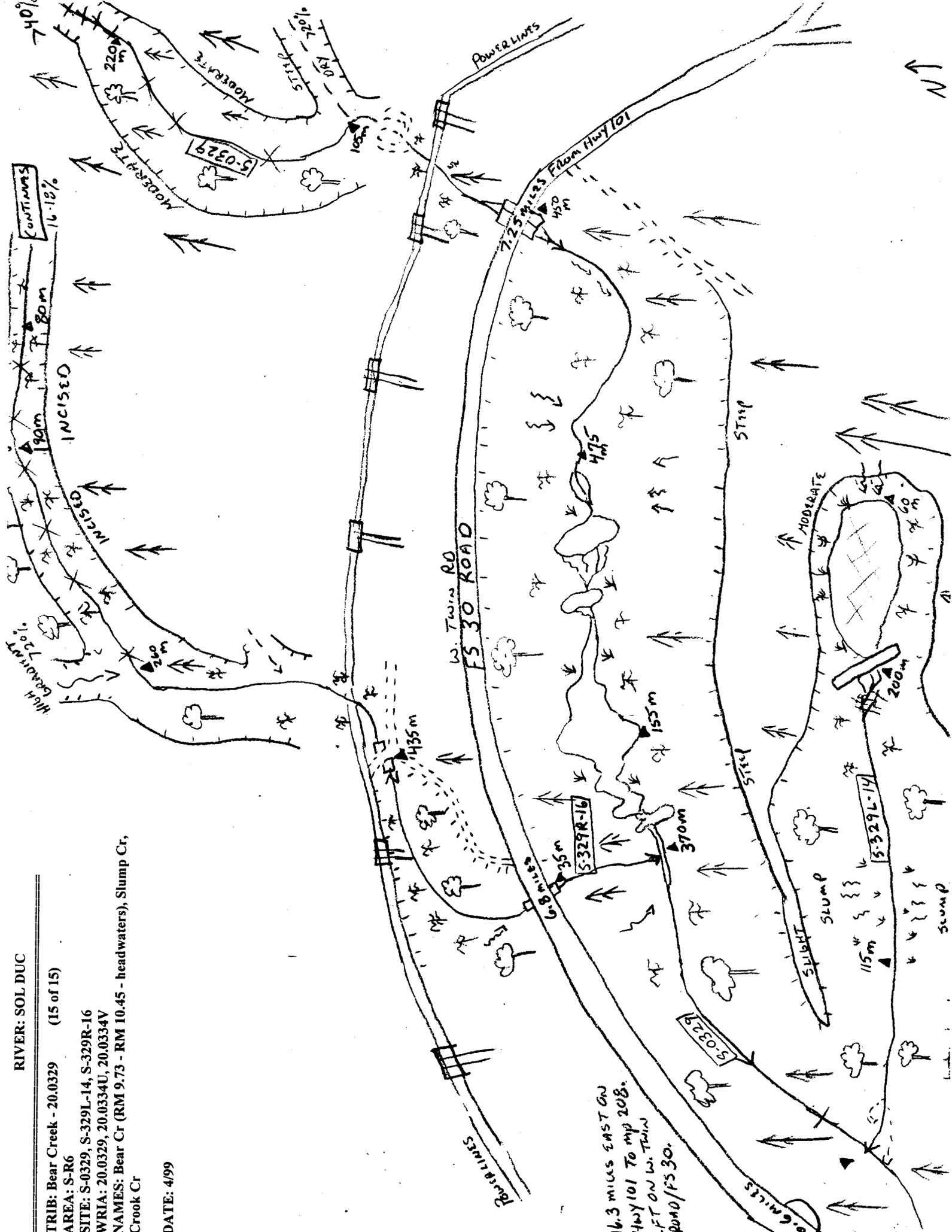
AREA: S-R6

SITE: S-0329, S-329L-14, S-329R-16

WRIA: 20.0329, 20.0334U, 20.0334V

NAMES: Bear Cr (RM 9.73 - RM 10.45 - headwaters), Slump Cr, Crook Cr

DATE: 4/99



16.3 miles EAST ON
Hwy 101 To mp 208.
LEFT ON W. TWIN
ROAD/FS 30.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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7' 30"

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1220000 FEET

2' 30"

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