

**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: 5/11/99
Site Identifier: S-329L-04	WRIA: 20.0331H (P)
River Mile Location: 4.15	RB/LB: LB
Local Name: Unnamed	Trib. to: 20.0329 (Bear Cr.)
Legal Description: SE¼ Sec24 T30N R12W	County: Clallam
Habitat Type: Spring channel	
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 1.5 miles. There is a pull out on the left hand side of the road and a rock wall to the right that weeps with water. The channel source is springs which emanate off the hill along the edge of the road.

Site Overview:

This is a short, small spring channel. The gradient steadily gains to 12 percent where springs emanate from the road fill. The mid reach has a section with debris which causes the flow to subsurface. This channel may offer limited high water refuge.

Habitat Information:

Water source: Springs, terrace/road runoff

Intermittent/year-around:

- Probably year-around

Estimated flows (gpm): 50

Water temperatures: 6° C

Adjacent stream temperature: 6° C (20.0329)

Other water observations:

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

Widths: Channel- 0.5 m - 1 m Ponds- NA Wetlands- NA

Depths: Channel- 3 - 15 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 45 m

Total existing habitat area (est.): 35 m²

Spawning area: 0
Impounded area: 0
Other rearing area: 35 m²

Spawning Habitat conditions: (X) None () Poor () Fair () Good () Excellent

Describe spawning habitat:

- The substrate has mostly fines.

Rearing habitat conditions: () None () Poor (X) Fair () Good () Excellent

Describe pond and other rearing habitat:

- This short channel steadily gains to 12% gradient.
- There is cover of brush and some woody debris.
- The mid reach has a spot with debris accumulation. Subsurface flow was observed.
- Road runoff may affect this channel.

Describe inaccessible habitat:

Describe wetland: () Bog () Marsh () Scrub-shrub Wetland () Forested Wetland

Flooding potential: (X) Low () Medium () High

Fish Information:

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

- Open egress into Bear Creek.

Coho access and use:

Juvenile- (X) Unknown () None () Poor () Fair () Good
Adult- () Unknown (X) None () Poor () Fair () Good

Other species access and use: () Chum () Pink () Sockeye () Chinook (X) Trout

- Resident may have some limited use of this channel.

Habitat Improvements:

Enhancement opportunities:

- Remove some of the debris which results in subsurface flows?

Additional Comments:

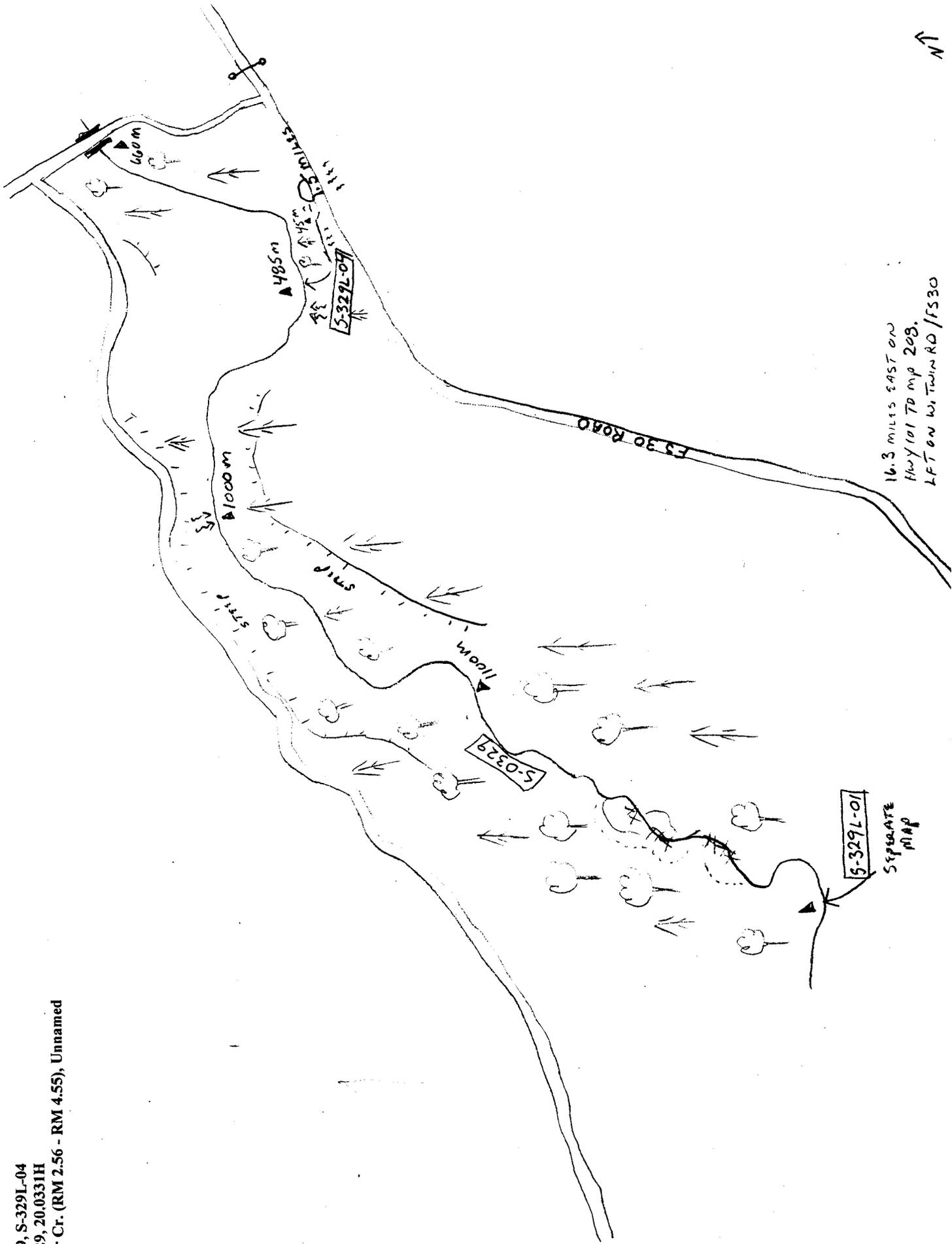
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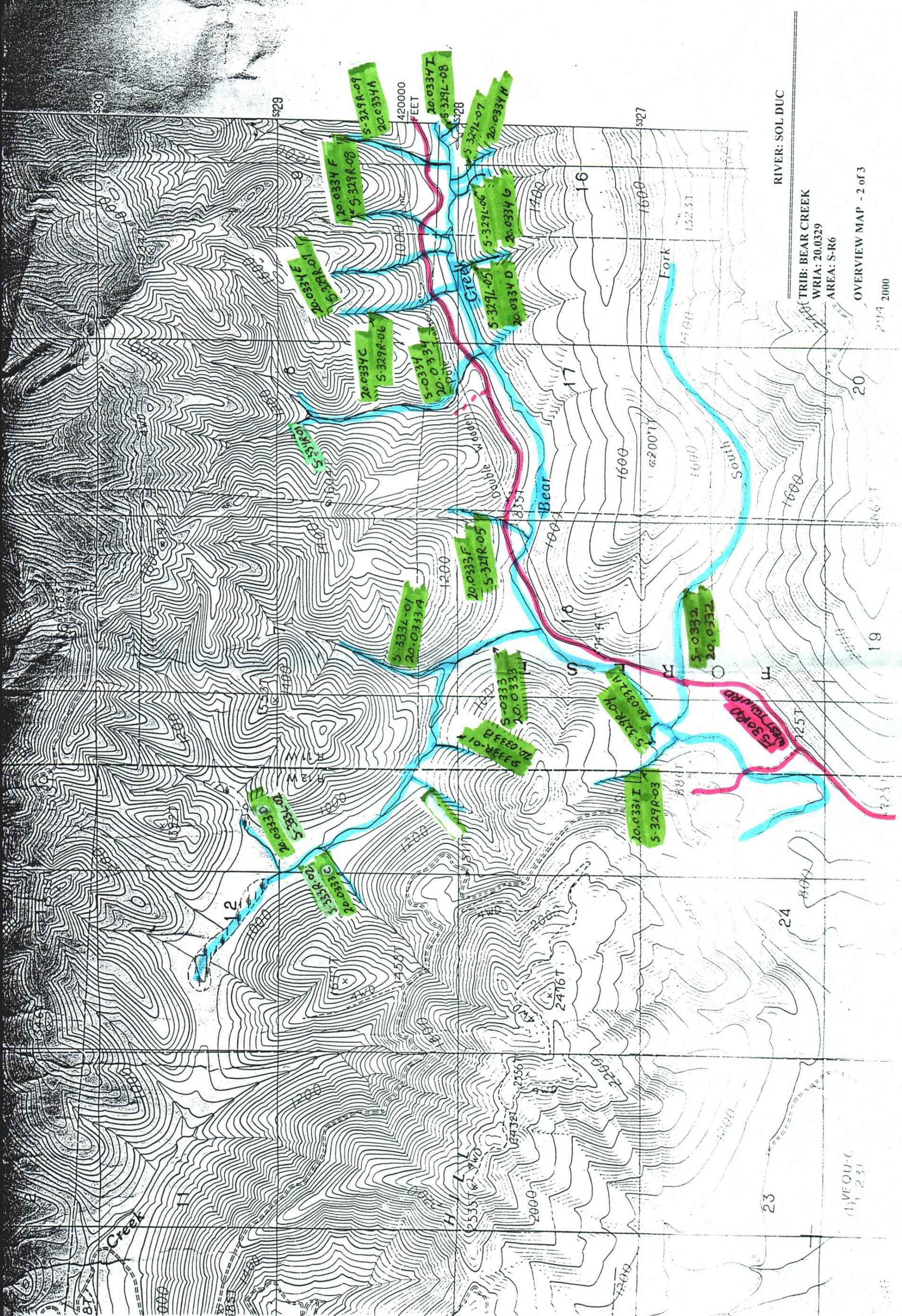
Contact respective SSHEAR habitat biologist for the following checked items:

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

RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (7 of 15)
AREA: S-R6
SITES: S-0329, S-329L-04
WRIA: 20.0329, 20.0331H
NAMES: Bear Cr. (RM 2.56 - RM 4.55), Unnamed
DATE: 5/99





RIVER: SOL DUC

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

OVERVIEW MAP - 2 of 3

2000

Ransro 2/02

(1) VEQU-C
1-231

42000
FEET

20.0334 F
S-329R-08
20.0334A

20.0334 I
S-329L-08
20.0334H

20.0334 E
S-329L-07
20.0334 G

20.0334 C
S-329R-06
20.0334 J

20.0334 D
S-329L-06
20.0334 K

20.0334 G
S-329L-05
20.0334 L

20.0333 F
S-329R-05
20.0333 I

20.0333 B
S-329R-04
20.0333 M

20.0331 I
S-329R-03
20.0332

20.0332
S-329R-03
WESTWARD

20.0330 D
S-329L-04
20.0330 A

20.0330 E
S-329R-02
20.0330 B

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S29

S30

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