

**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: 5/13/99
Site Identifier: S-329L-01	WRIA: 20.0331A
River Mile Location: 2.56	RB/LB: LB
Local Name: South Whites Creek	Trib. to: Bear Cr (20.0329)
Legal Description: NW¼ Sec25 T30N R12W	County: Clallam
Habitat Type: Terrace tributary, valley wall tributary	
Landowner: (X) Federal (X) State () County () Other Government (X) Private - National Forest, USFS - Dept of Natural Resources - Small land ownerships	

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 0.85 miles. This culvert crossing is S-329L-01.

Site Overview:

The lower reach of this channel feeds into an extensive wetland, pond area. This lower reach and an associated tributary, S-329L-02 offer high quality rearing habitat for the mid area of Bear Creek. The channel sources as a high gradient tributary. It flows from a steep incised channel into an open, lower gradient area (~ 5%). An alluvial section marks the transition point before flowing through a series of small beaver ponds. This area has had land clearing and is presently thick with brush and alder. The channel then flows through a conifer dominant forest with abundant brush growing along the banks. After the channel crosses the FS 30 Road, it flows into sedge wetland. The wetland is a large multifaceted, open area; the channel braids and pools throughout it. Numerous coho juveniles (0+ and 1+) were observed in the wetland reach.

Habitat Information:

Water source: Springs and associated tributaries

Intermittent/year-around:

- Year-around

Estimated flows (cfs): 2+ egress

Water temperatures: 8.5° C

Adjacent stream temperature: did not take (20.0329)

Other water observations:

Site area measurements: Indirect Direct Combination

Widths: Channel- 1 m - 2 m Ponds- to 15 m Wetlands- 15 - 30+ m

Depths: Channel- 5 cm - 15 cm Ponds- 30+ cm Wetlands- variable

Total length (includes ponds and wetlands): ~2700 m

Total existing habitat area (est.): 9000 m²

Spawning area: 1000 m²

Impounded area: 7500 m²

Other rearing area: 500 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- There is some spawning gravel in the lower reach, downstream of the wetland. A supplemental spawner survey is occasionally conducted.
- Upstream of the FS 30 road crossing, amounts of spawning gravel are mixed with cobble and some boulders.
- The upper reach has gravel but the amount and channel gradient are only suitable for resident trout.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The upper mid reach is a wooded wetland with a couple smaller pools. This area has been cleared and has thick brush, sedges and small alders.
- The mid reach flows through thick brush with a conifer overstory. There is also cover of LWD and overhang.
- The sedge wetlands are open areas. There is some limited LWD in the slough channels. Cover is provided by the vegetation.
- There is a beaver pond at the downstream end of the wetland. There is cover of some debris and vegetation.
- The lower reach flows from the wetland through a conifer/brush area.

Describe inaccessible habitat:

- Beaver dam in lower reach may only be passable during higher flows.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- The upper mid reach is a scrub-shrub wetlands. Plants observed were alder, salal, sedges, skunk cabbage and various types of brush.
- The pond areas are mostly open with varying types of wetland plants. Sedges dominate and canary grass appears abundant.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to Bear Cr (20.0329): Poor Fair Good

- Open egress.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- Coho fry were observed up to the mid reach.
- Numerous coho juveniles (1+) were minnow trapped in the wetland.
- Quileute Tribe conducts supplemental spawner surveys on the lower reach (from egress to S-329L-02).

Other species access and use: Chum Pink Sockeye Chinook Trout
- Resident trout probably utilize this channel.

Habitat Improvements:

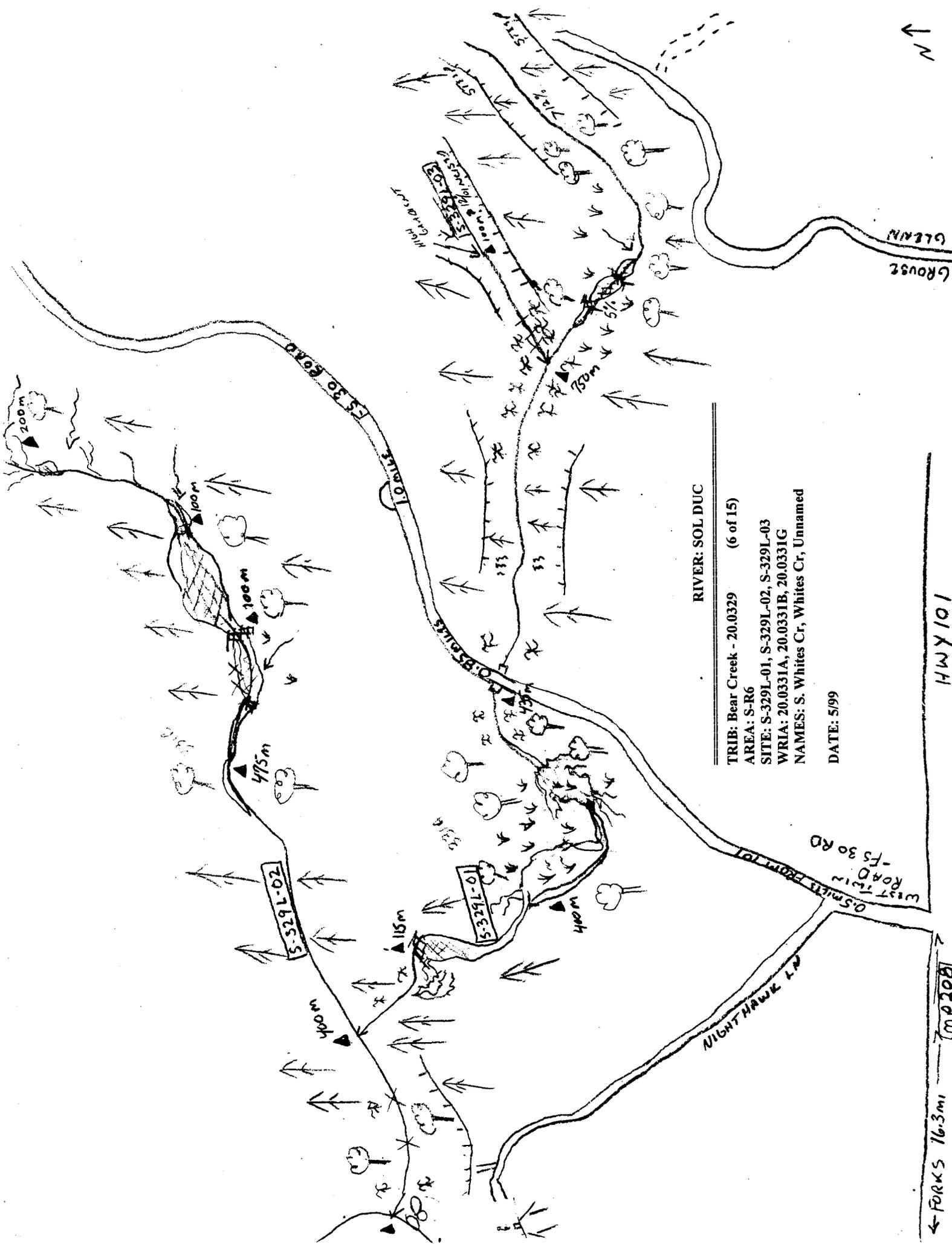
Enhancement opportunities:

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 (6 of 15)
 AREA: S-R6
 SITE: S-329L-01, S-329L-02, S-329L-03
 WRIA: 20.0331A, 20.0331B, 20.0331G
 NAMES: S. Whites Cr, Whites Cr, Unnamed

DATE: 5/99

← FORKS 16.3mi

HWY 101

