

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:** 4/22/99
Site Identifier: S-329R-15 **WRIA:** 20.0334T (P)
River Mile Location: 9.38 **RB/LB:** RB
Local Name: Unnamed **Trib. to:** 20.0329
Legal Description: SE¼ Sec10 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 6.3 miles. This culvert crossing is S-329R-15.

Site Overview:

This is a moderate to a high gradient channel that becomes incised with a bedrock substrate in the lower reach. There is a 4.5 meter bedrock fall at the upper end of the surveyed channel. The overstory is mature conifer. Cover is provided by large woody debris, brush and overhang. Casual observations upstream of the fall determined the channel to be incised with a moderate gradient. The physical characteristics of the stream are more conducive to resident trout.

Habitat Information:

Water source: Tributaries and surface runoff

Intermittent/year-around:

- Probably intermittent

Estimated flows (cfs): 0.75

Water temperatures: 7° C

Adjacent stream temperature: 7° C (20.0329)

Other water observations:

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

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

Depths: Channel- 2 cm - 20 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 175+ m (trout habitat above end point)

Total existing habitat area (est.): 175+ m²

Spawning area: 25 m²

Impounded area: 0 m²

Other rearing area: 150 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Gravel is in patches.
- Small areas of gravel are more conducive to resident trout.
- There is a high silt and bedrock component to this channel.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- There is cover provided by large woody debris, overhang and brush.
- The riparian area is a mix of mature conifer and alder.
- The gradient becomes increasingly steep to the large bedrock fall.

Describe unaccessible habitat:

- Upstream of the fall, the channel gradient appears more moderate but greater than 12%.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

Flooding potential: Low Medium High

- This channel appears to have stable winter flows.

Fish Information:

Site entry condition to (20.0329): Poor Fair Good

- There is a 0.5 meter drop from debris at the egress..

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

- Resident trout probably utilize this channel

Habitat Improvements:

Enhancement opportunities:

- Culvert on the FS 30 Road is rusting and has a plunge.

Additional Comments:

Attachments Available:

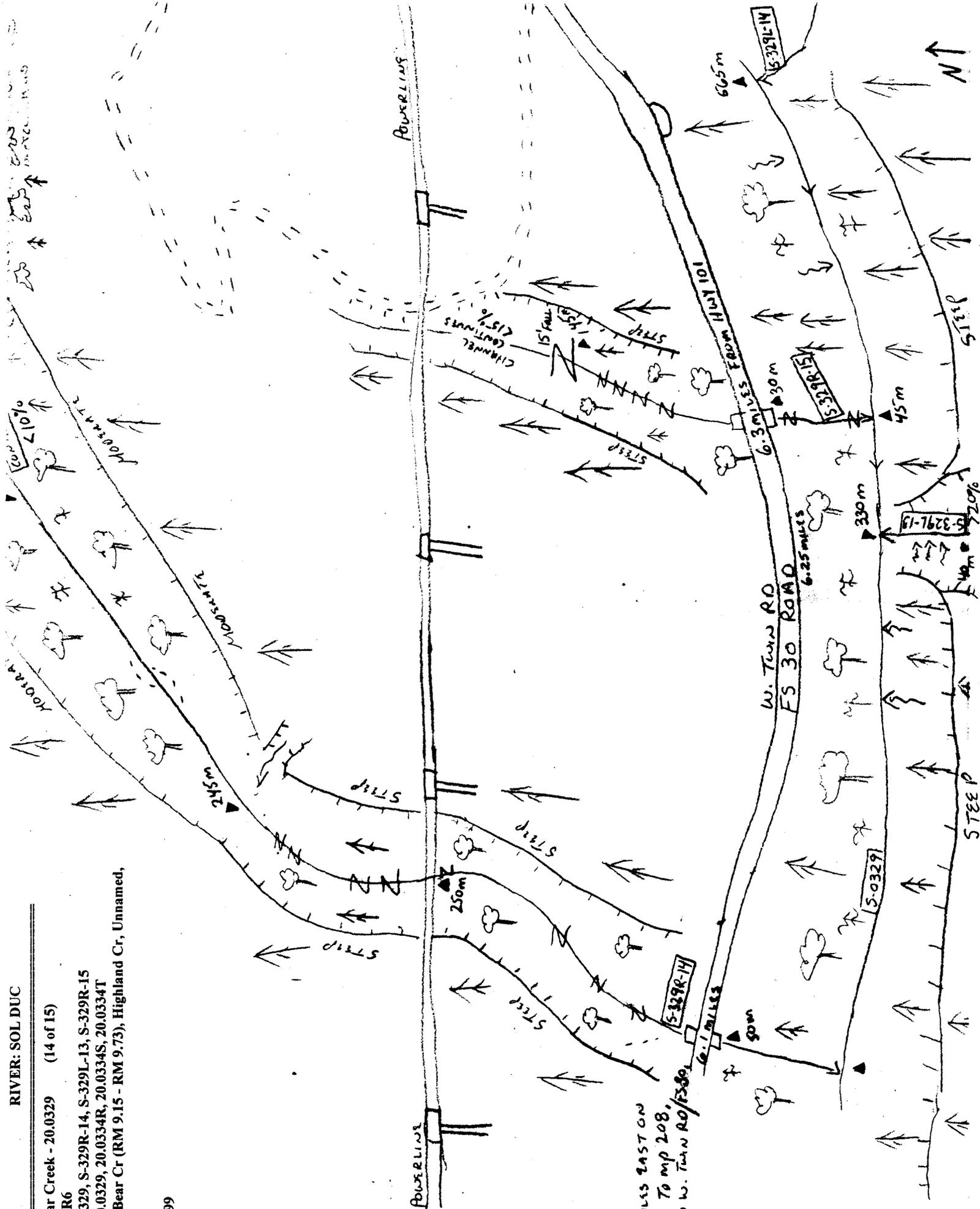
Contact respective SSHEAR habitat biologist for the following checked items:

<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

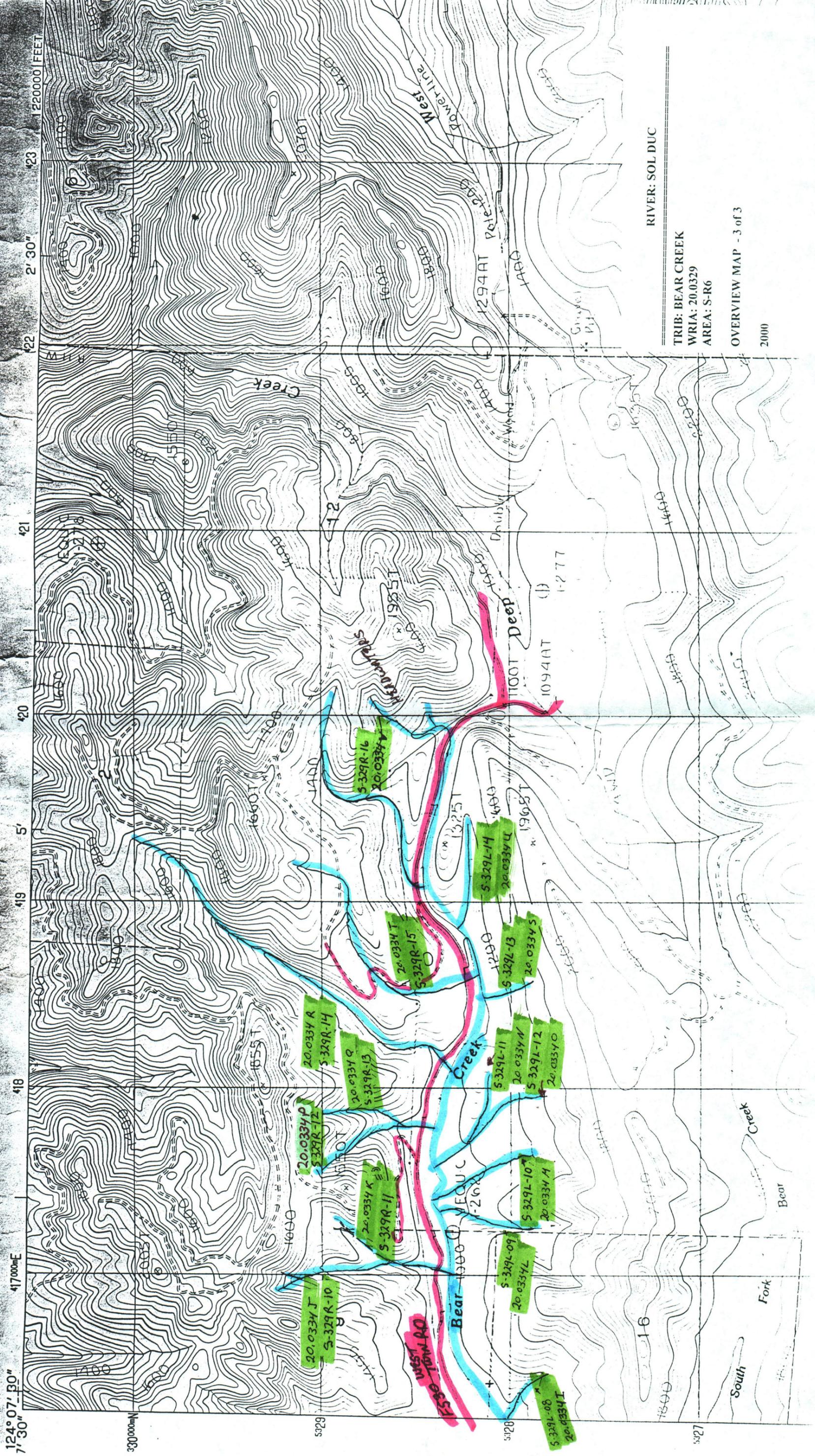
TRIB: Bear Creek - 20.0329 (14 of 15)
AREA: S-R6
SITE: S-0329, S-329R-14, S-329L-13, S-329R-15
WRIA: 20.0329, 20.0334R, 20.0334S, 20.0334T
NAMES: Bear Cr (RM 9.15 - RM 9.73), Highland Cr, Unnamed,
Unnamed

DATE: 4/99



16.3 MILES EAST ON
HWY 101 TO MP 208,
LEFT ON W. TURN RD/FS 30

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



124° 07' 30" 7' 30" 417000mE 418 419 5' 420 421 422 423 2' 30" 220000 FEET

RIVER: SOL DUC
TRIB: BEAR CREEK
WRIA: 20.0329
AREA: S-R6

OVERVIEW MAP - 3 of 3
2000