

**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: 4/6/99
Site Identifier: S-329L-08	WRIA: 20.0334I (P)
River Mile Location: 7.76	RB/LB: LB
Local Name: Unnamed	Trib. to: 20.0329 (Bear Cr.)
Legal Description: NW¼ Sec16 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 5.0 miles; there will be a right hand turnout. Park at the turnout, cross Bear Creek. S-329L-08 is in this area.

Site Overview:

This is a high gradient channel that experiences flushing flows. As the channel becomes deeply incised, the gradient becomes steep. The entrenched banks are sloughing in some areas. Woody debris and gravel deposits in the channel are associated with the side slumps. The channel has an overstory of mature alder and conifer. 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 (gpm): 100

Water temperatures: 8° C

Adjacent stream temperature: 8° 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 - 10 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 200+ m (trout habitat above end point)

Total existing habitat area (est.): 250 m²

Spawning area: 50 m²

Impounded area: 0

Other rearing area: 200 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Overall, the spawning habitat is more conducive to resident trout.
- The channel has gravel but in pockets.
- The channel has prominent areas of bedrock and boulder.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- This channel experiences flushing flows.
- There is a prominent bedrock/boulder substrate. Pools are associated with the boulders.
- The channel gradient is moderate/steep with a step/pool profile.
- The channel has a steady gradient gain as it becomes incised. Stopped survey at 12 to 15 percent gradient. It was obvious that the gradient was gaining. Side slopes were unstable and slumping.
- The channel has brush as cover and an overstory of mature alder. Conifer grows along the steep slopes.
- This channel is more characteristically a cutthroat stream.

Describe unaccessible habitat:

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

Flooding potential: Low Medium High

- Flushing flows within the system.

Fish Information:

Site entry condition to (20.0329): Poor Fair Good

- There is a 1 meter fall over a root wade 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

- Trout probably utilize this system.

Habitat Improvements:

Enhancement opportunities:

Additional Comments:

Attachments Available:

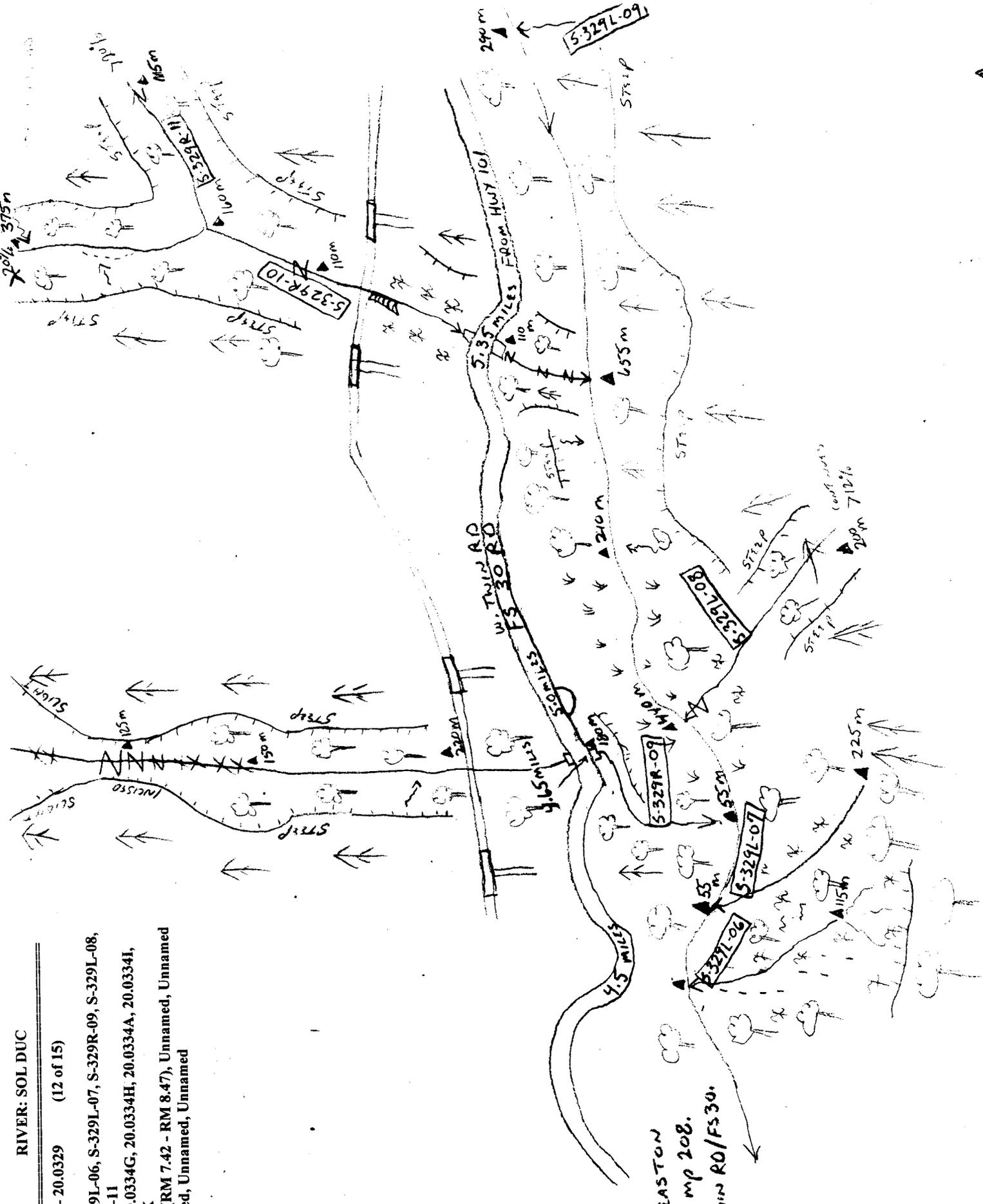
Contact respective SSHEAR habitat biologist for the following checked items:

- | | | | |
|--|--|--|---|
| <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 type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

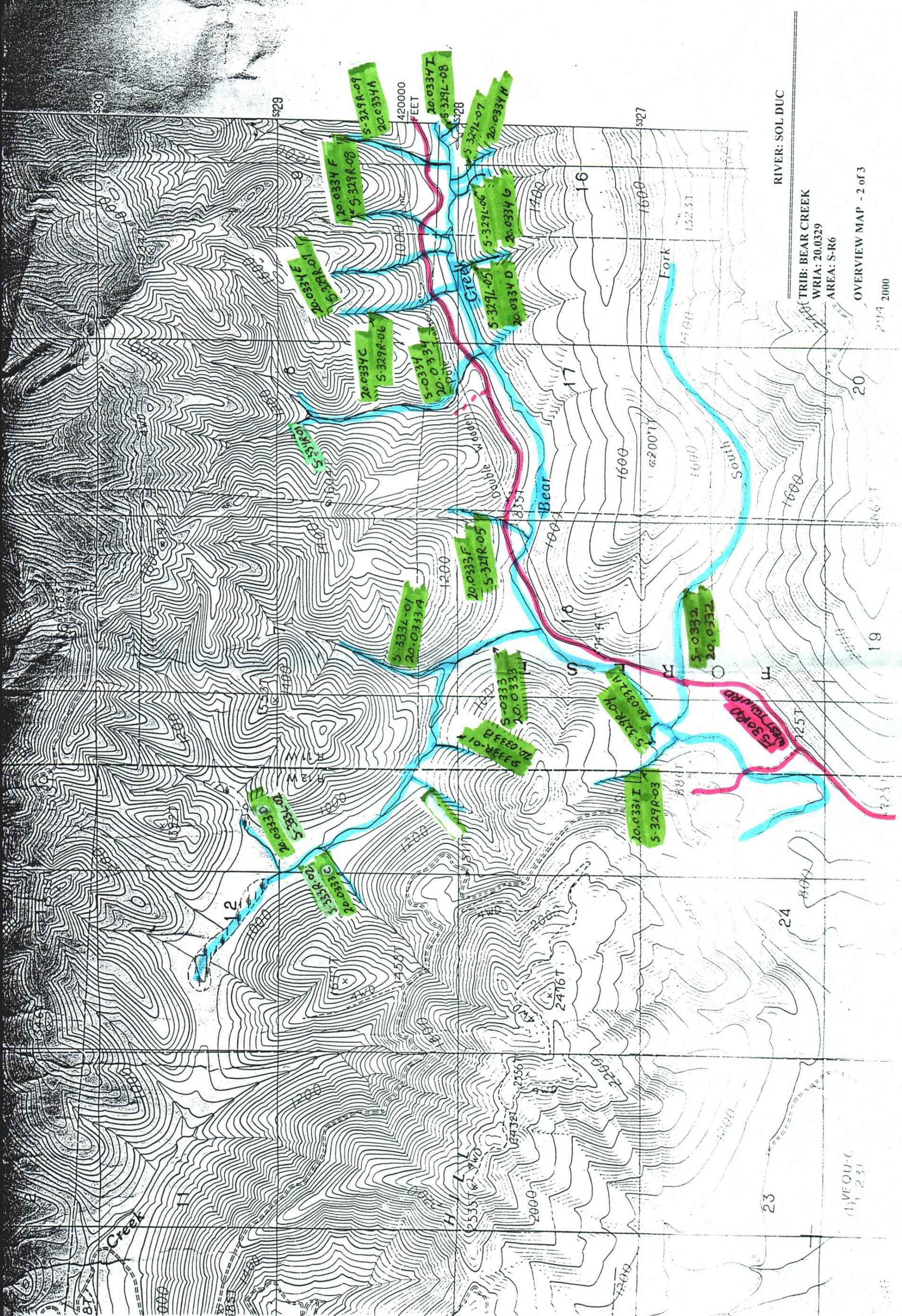
RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (12 of 15)
AREA: S-R6
SITE: S-0329, S-329L-06, S-329L-07, S-329R-09, S-329L-08,
S-329R-10, S-329R-11
WRIA: 20.0329, 20.0334G, 20.0334H, 20.0334A, 20.0334I,
20.0334J, 20.0334K
NAMES: Bear Cr (RM 7.42 - RM 8.47), Unnamed, Unnamed
Unnamed, Unnamed, Unnamed, Unnamed

DATE: 4/99



16.3 MILES EASTON
Hwy 101 To mp 208.
LFT ON W. TWIN RD/FS30.



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

20.0334 I
S-329L-08
42000
FEET

20.0334 F
S-329R-08

20.0334 E
S-329L-07

20.0334 C
S-329R-06

20.0334 A
S-329L-05

20.0333 F
S-329R-05

20.0333 B
S-329R-04

20.0333 D
S-329L-03

20.0332
S-329R-03

20.0332
S-329R-02

20.0332
S-329L-01

20.0332
S-329R-01

20.0332
S-329L-01

20.0332
S-329R-01