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: 2/2/00

Site Identifier: S-329R-07

WRIA: 20.0334E (P)

River Mile Location: 7.28

RB/LB: RB

Local Name: Unnamed

Trib. to: 20.0329 (Bear Cr)

Legal Description: NE¼ Sec17 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 4.3 miles. This culvert crossing is S-329R-07. This crossing can be difficult to spot. If you find double culverts within this location, you are 0.1 miles too far. Presently, this culvert is set angularly.

Site Overview:
This is a small moderate to a high gradient channel that experiences fluctuating flows. The lower reach to the power lines is ~ 5% gradient. It lacks woody debris and associated pools, and the channel is down cutting below the road. There is an alder/brush canopy and some areas of gravel. Upstream of the power lines, the channel becomes incised and steadily increases in gradient. Alder and brush are dominant but there are conifers on the steep side slopes. There are some pieces of woody debris in the incised reach due to sloughing side slopes. In the upper reach, bedrock becomes prominent and the survey ended at a large bedrock fall. The physical characteristics of this stream are more conducive to resident trout if flows are not limiting.

Habitat Information:

Water source: Tributaries and surface runoff

Intermittent/year-around:
- Intermittent

Estimated flows (cfs): 1

Water temperatures: 5.5° C

Adjacent stream temperature: did not take

Other water observations: High flow due to snowmelt/rain on the day of initial survey.
- On 4/5/00 (dry spring), there was about 25 - 35 gpm flowing at the egress.

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

Widths:	Channel- 1 m - 1.5 m	Ponds- NA	Wetlands- NA
Depths:	Channel- 7 cm - 30 cm	Ponds- NA	Wetlands- NA

Total length (includes ponds and wetlands): 240 m (did not survey upstream of falls)

Total existing habitat area (est.): 300 m²
Spawning area: 150 m²
Impounded area: 0 m²
Other rearing area: 150 m²

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

Describe spawning habitat:
- Downstream of the road, the channel appears as a long continuous riffle. It has gravel but it is shallow (lacks resting pools).
- Gravel is in smaller patches upstream of the road.
- 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 (X) Poor () Fair () Good () Excellent

Describe pond and other rearing habitat:
- Downstream of the road, the channel is down cutting - there is very little woody debris.
- Overhang and brush provides cover in the various reaches. Alder is the prominent canopy.
- Upstream of the power lines, there are some large woody debris pieces that appear to have sloughed off the steep side slopes.
- There are conifers in the incised upper reach.
- The gradient maintains ~ 5% to the power lines. It then becomes increasingly steep to the bedrock fall.
- This channel is more characteristically a cutthroat stream if flows are not limiting.

Describe unaccessible habitat:
- The culvert on the FS 30 Road is a barrier to migration.
- Upstream of the fall, the channel gradient appears to maintain > 20%.

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

Flooding potential: () Low (X) Medium () High
- This channel appears to have flashing flows.

Fish Information:

Site entry condition to (20.0329): ()Poor () Fair (X) Good
- There is 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
- This stream may be conducive to resident trout if flows are not limiting.

Habitat Improvements:

Enhancement opportunities:
- Culvert on the FS 30 Road is impassable.

Additional Comments:

Attachments Available:

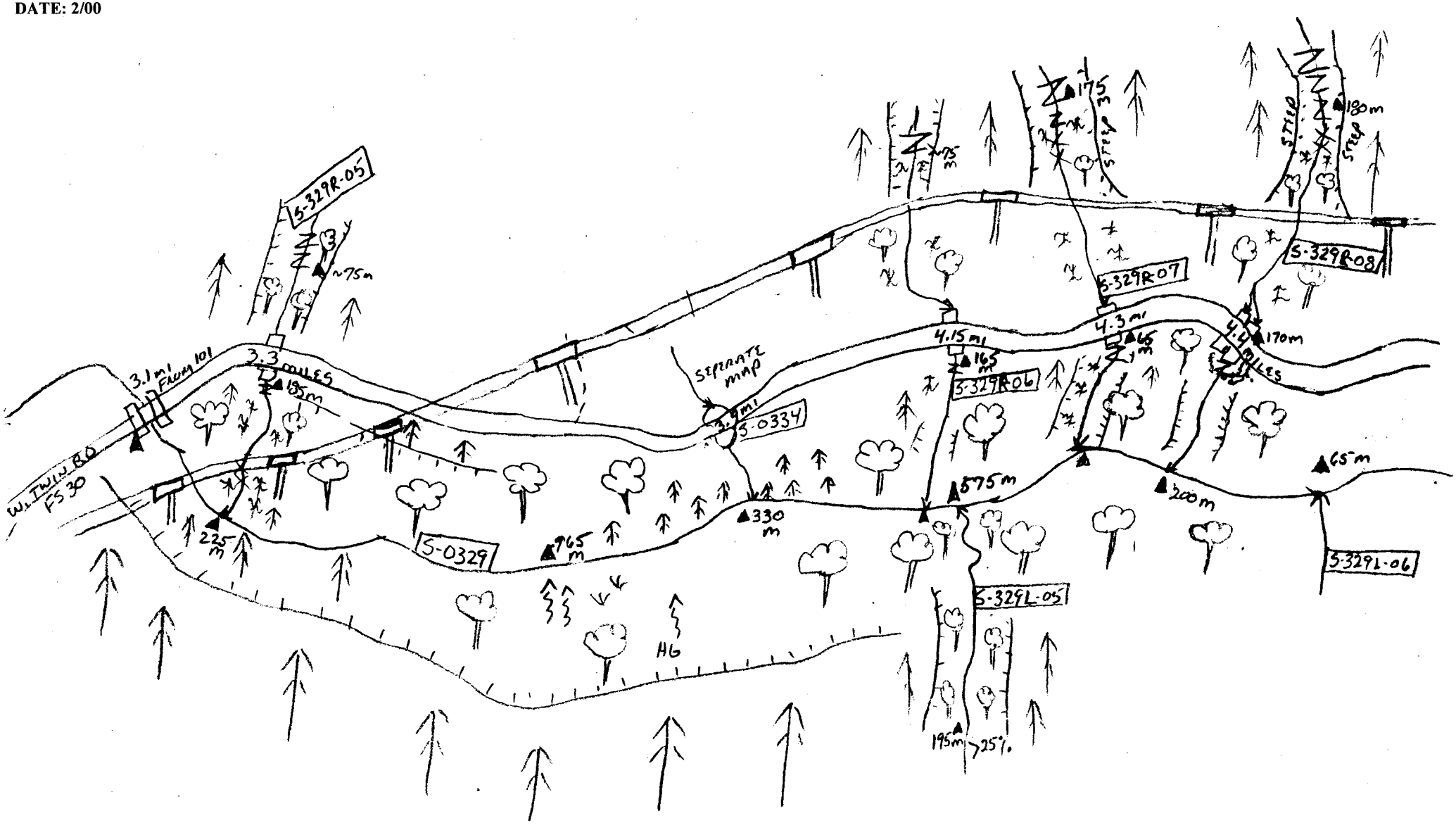
Contact respective SSHEAR habitat biologist for the following checked items:

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

RIVER: SOL DUC

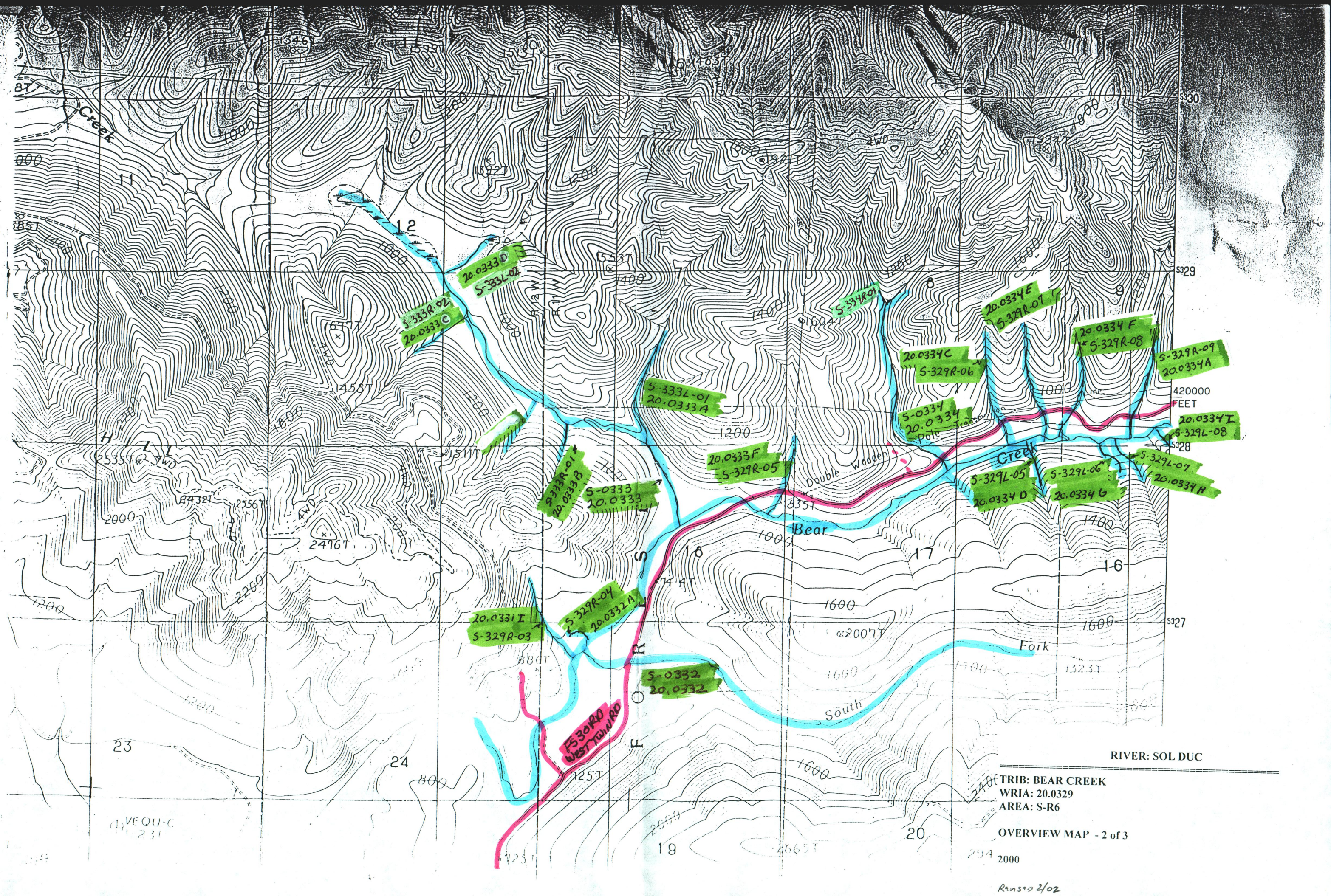
TRIB: Bear Creek - 20.0329 (10 of 15)
AREA: S-R6
SITE: S-0329, S-329R-05, S-329R-06, S-329L-05, S-329R-07, S-329R-08
WRIA: 20.0329, 20.0333F, 20.0334C, 20.0334D, 20.0334E, 20.0334F
NAMES: Bear Cr (RM 5.97 - RM 7.42), Red Rock Cr, Unnamed, Unnamed, Unnamed, Unnamed

DATE: 2/00



16.3 MILES EASTON
HWY 101 TO MP 208.

N



RIVER: SOL DUC

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

OVERVIEW MAP - 2 of 3

2000

Revised 2/02