

**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: 3/22/01
Site Identifier: S-333R-02	WRIA: 20.0333D
River Mile Location: 0.91	RB/LB: RB
Local Name: Different Creek	Trib. to: 20.0333 (Redoubt Cr)
Legal Description: SE¼ Sec12 T30N R12W	County: Clallam
Habitat Type: Valley wall tributary	
Landowner: (X) Federal (X) State () County () Other Government (X) 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 2.85 miles. At this point, the road and Bear Creek are at close proximity. There is a wide spot on the left-hand side of the road. Park here and cross Bear Creek. The egress of Redoubt Creek (S-0333) should be obvious. Follow Redoubt Creek upstream for ~ 0.91 miles. S-333R-02 will be the second encountered large left bank tributary.

Site Overview:

This channel is one of the major flow and gravel contributors to Redoubt Creek. It experiences flashy flows and appears to maintain a low gradient gain. The lower surveyed reach had some pooled habitat from old woody debris. Further upstream, the channel lacked wood and appeared to be a long, continuous riffle. Alder and brush dominate the riparian area. Gravel is the prominent substrate. There appears to be ample spawning opportunity in this stream but the large woody debris jam situated on Redoubt Creek would exclude most anadromous species. This tributary is depicted on various maps as having an associated wetland. The large gravel accumulation, flashy flows, and clear flow conflict with wetland water characteristics.

Habitat Information:

Water source: Tributaries and surface runoff

Intermittent/year-around:
- Year-around

Estimated flows (cfs): 2+

Water temperatures: 7° C

Adjacent stream temperature: 5° C

Other water observations:
- Clear water

Site area measurements: Indirect Direct Combination

Widths: Channel- 2.5 m (ww) 4.6 (ohw) Ponds- NA Wetlands- NA

Depths: Channel- 7 cm - 15 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 575+ m (habitat continues beyond end point)

- Due to inaccessibility and time constraints, this survey was limited to RM 0.35.

Total existing habitat area (est.): 1440 m² (measured for this survey)

Spawning area: 1300 m²

Impounded area: 0 m²

Other rearing area: 140 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- This channel has a prominent gravel substrate.
- There is some pool formation from old woody debris in the lower channel.
- Further upstream, wood is lacking and the channel has long, continuous riffle characteristic. Lack of pools for resting area was obvious.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- There were limited amounts of woody debris forming pools. This was only observed in the lower reach of the stream.
- The surveyed area of this channel had an alder riparian with adjacent conifers.
- Thick brush and overhang provided cover.
- This channel experiences flushing flows.

Describe unaccessible habitat:

- This channel may not be accessible to anadromous fish due to the large debris jam on S-0333.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- Various maps depict an associated wetland. None were encountered during the survey.
- The large gravel accumulation, flashy flows, and clear flow conflict with wetland water characteristics.

Flooding potential: Low Medium High

- This channel appears to have flushing flows at times.

Fish Information:

Site entry condition to (20.0333): Poor Fair Good

- There is open egress into Redoubt Creek (S-0333).

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- This channel may not be accessible to anadromous fish due to the large debris jam on Redoubt Creek.
- During this survey, a small group of newly emerged juvenile coho fry were observed near the egress of this tributary.

Other species access and use: Chum Pink Sockeye Chinook Trout

- Trout probably utilize this channel.

Habitat Improvements:

Enhancement opportunities:

- None recommended.

Additional Comments:

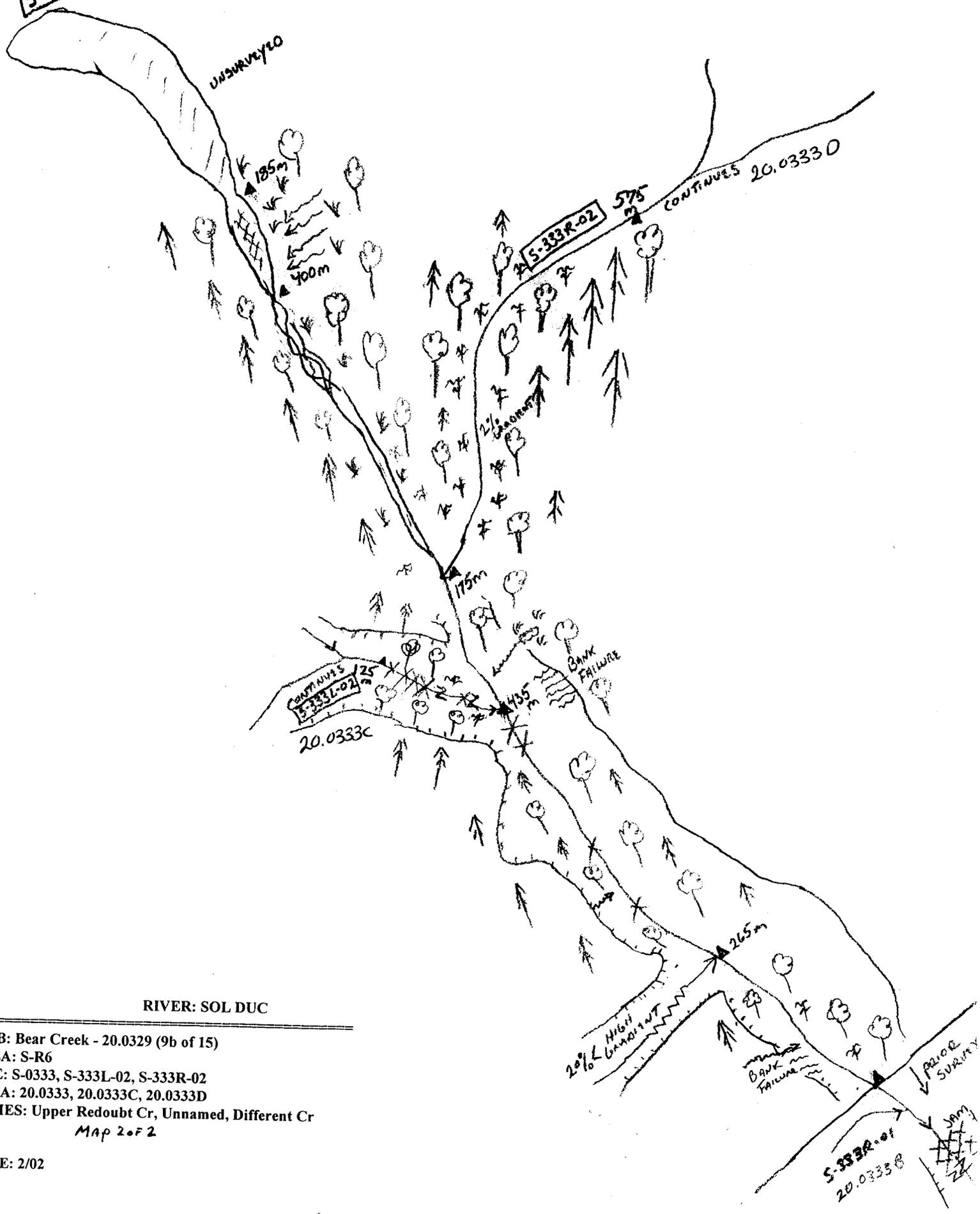
- The debris jam on Redoubt Creek is a natural nick point in a bedrock canyon.

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

S-0333



RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (9b of 15)
 AREA: S-R6
 SITE: S-0333, S-333L-02, S-333R-02
 WRIA: 20.0333, 20.0333C, 20.0333D
 NAMES: Upper Redoubt Cr, Unnamed, Different Cr
 MAP 2 OF 2

DATE: 2/02

