

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-333L-02 **WRIA:** 20.0333C
River Mile Location: 0.90 **RB/LB:** LB
Local Name: Unnamed **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 ~ 0.90 miles. S-333L-02 will be the third encountered left bank tributary.

Site Overview:

This channel is one of the major flow and substrate contributors to Redoubt Creek. It experiences flashy flows and appears to have a moderate gradient gain. The lower surveyed reach was entrenched and had numerous blown-down alders in the channel. Large old woody debris and boulders were prominent. The physical characteristics of this stream are more conducive to resident trout.

Habitat Information:

Water source: Tributaries and surface runoff

Intermittent/year-around:

- Probably year-around

Estimated flows (cfs): 2+

Water temperatures: 7° C

Adjacent stream temperature: 5° C

Other water observations: Clear water

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

Widths: Channel- 1.5 m (ww) 2.75 - 3 (ohw) Ponds- NA Wetlands- NA

Depths: Channel- 7 cm - 13 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 125+ m (trout habitat above end point)

- Due to inaccessibility and time constraints, this survey was limited to 125 m.

Total existing habitat area (est.): 188 m² (measured for this survey)

Spawning area: 94 m²

Impounded area: 0 m²

Other rearing area: 94 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 varying amounts of gravel in the lower reach but rubble and boulders are prominent.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The lower channel is entrenched with an overstory of alder. There is cover of thick brush, overhang and some LWD.
- Slope banks appear unstable. Numerous blown-down alder were encountered in the lower channel.
- Old woody debris and boulders provide pools.
- This channel experiences flushing flows.
- This channel is more characteristically a cutthroat stream.

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

- N/A

Flooding potential: Low Medium High

- This channel appears to have flushing flows.

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.

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:

Aerials

Sketch

Maps

Culvert Report

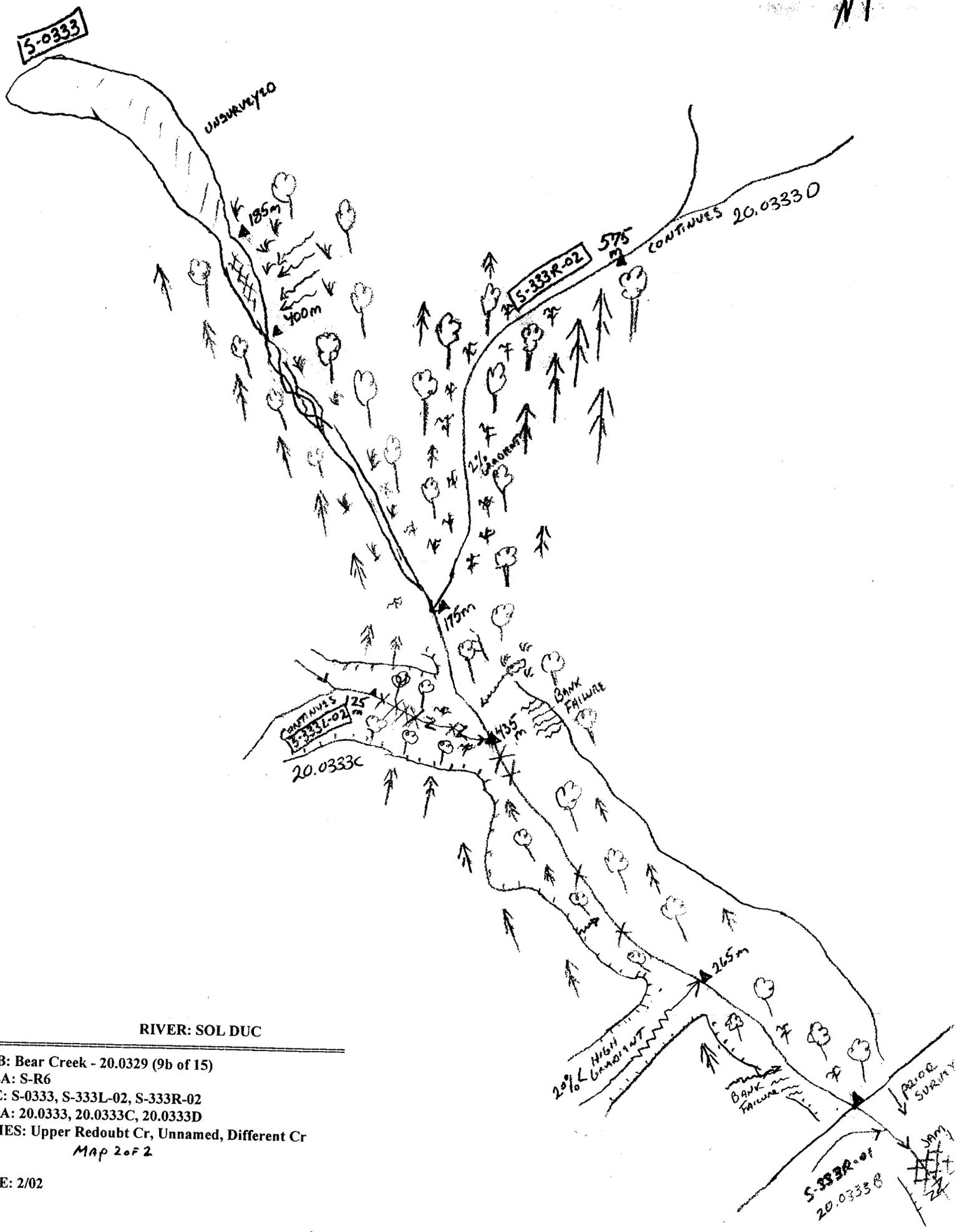
Other references

Spawning surveys

Juvenile trapping

Fishway Report

N 1



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

