

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-11	WRIA: 20.0334K (P)
River Mile Location: 0.23	RB/LB: LB
Local Name: Unnamed	Trib. to: S-329R-10
Legal Description: SE¼ Sec9 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 5.35 miles. This culvert crossing is S-329R-10. Follow S-329R-10 upstream for 0.23 miles to a left bank tributary, this is S-329R-11.

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 this stream are more conducive to resident trout.

Habitat Information:

Water source: Tributaries and surface runoff

Intermittent/year-around:

- Probably intermittent

Estimated flows (gpm): 50 -75

Water temperatures: did not take

Adjacent stream temperature: 7° C (S-329R-10)

Other water observations:

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

Widths: Channel- 1 m - 2 m Ponds- NA Wetlands- NA

Depths: Channel- 2 cm - 10 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 115 m

Total existing habitat area (est.): 175 m²

Spawning area: 75 m²

Impounded area: 0

Other rearing area: 100 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. These areas are associated with side slumps of adjacent slopes.
- The channel has 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 has a steady gradient gain as it becomes deeply incised.
- The channel has brush as cover and an overstory of mature alder. Conifer grows along the steep slopes. Banks of slopes are unstable and slumping in some areas.
- There are areas of woody debris.
- This channel is more characteristically a cutthroat stream.

Describe unaccessible habitat:

- There is a perched culvert at the FS 30 road crossing, downstream on S-329R-10.

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 (S-329R-10): Poor Fair Good

- Open egress into adjacent tributary.

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:

- There is a perched culvert at the FS 30 road crossing.

Additional Comments:

- There is a culvert laying in the stream, under the powerlines. Presently, there is no road associated with it. It is not a barrier but it blocks debris movement and may become a barrier in time.

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

