

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:

<b>Region:</b> North Coast	<b>Observer(s):</b> Powell
<b>River System:</b> Sol Duc	<b>Date:</b> 3/22/00
<b>Site Identifier:</b> S-330R-01	<b>WRIA:</b> 20.0330D (P)
<b>River Mile Location:</b> 1.0	<b>RB/LB:</b> RB
<b>Local Name:</b> Unnamed	<b>Trib. to:</b> Anton Cr (20.0330)
<b>Legal Description:</b> SW¼ Sec23 T30N R12W	<b>County:</b> Clallam
<b>Habitat Type:</b> Off-channel pond	
<b>Landowner:</b> (X) Federal ( ) State ( ) County ( ) Other Government ( ) Private - National Forest, USFS	

**Directions to site:**

Starting at Forks (Tillicum Park), drive north on Highway 101 for 14.2 miles (mp 206) to Bear Creek Road. Take a left on this road and follow for 1.7 miles. The double culvert crossing is Anton Creek (S-0330). Follow the creek upstream for 0.5 miles. S-330R-01 has a deceptive outflow channel - hidden by woody debris but survey flags presently mark the location.

**Site Overview:**

This is a small beaver pond backed by a sedge wetland in the mid reach of Anton Creek (20.0330). It appears to contain water all year around and may offer some rearing habitat in the winter. It  $\geq$  1 meter deep and contains some woody debris and vegetation for cover. The pond is open with a scattering of various trees species along the parameter. The egress channel may offer additional rearing opportunities; it has sedge-shrub wetland characteristics. This pond is located in the coho adult survey area on S-0330.

Habitat Information:

**Water source:** ground water, terrace tributary

**Intermittent/year-around:**

- Pond appears to hold water year-around

**Estimated flows (cfs):** 0.25?

**Water temperatures:** 8° C

**Adjacent stream temperature:** 7° C (20.0330)

**Other water observations:** tannic water

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

Widths: Channel- 1+ m      Ponds- ~65 m      Wetlands- 1+ m

Depths: Channel- 5 -15 cm      Ponds- 1+ m      Wetlands- 5 -15 cm

Total length (includes ponds and wetlands): ~ 240+ m

**Total existing habitat area (est.):** 6120 m<sup>2</sup>

Spawning area: 0 m<sup>2</sup>

Impounded area: 6000 m<sup>2</sup>

Other rearing area: 120 m<sup>2</sup>

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

**Describe spawning habitat:**

- This system is primarily a pond with a silt substrate.
- There are some traces of gravel in the egress substrate.

**Rearing habitat conditions:** ( ) None ( ) Poor ( ) Fair (X) Good ( ) Excellent

**Describe pond and other rearing habitat:**

- This pond may offer high water refuge and some off-channel rearing opportunities.
- It has some woody debris and aquatic vegetation for cover.
- The outflow may be limiting during low water conditions.
- The outflow channel flows through woody debris with brush, conifer and alder as the overstory.
- The pond is primarily open with some mixed species trees and shrubs along the parameter. The pond is backed by a sedge wetland.
- There is a narrow inflow channel through the sedge that was not surveyed.

**Describe unaccessible habitat:**

- Beaver dam may be only accessible during moderate to high flows.

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

- The upper end of the beaver pond is a sedge wetland. It is primarily canary grass but also contains other sedges and reeds.
- The egress channel of the pond is scrub-shrub vegetation with sedges interspersed.

**Flooding potential:** (X) Low ( ) Medium ( ) High

- This channel does not appear to be affected by high flows.

**Fish Information:**

**Site entry condition to (20.0330):** ( ) Poor (X) Fair ( ) Good

- Outflow is under an accumulation of wood debris and soil.

**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

- Resident trout may utilize this pond.

**Habitat Improvements:**

**Enhancement opportunities:**

- No access into the area.

**Additional Comments:**

**Attachments Available:**

**Contact respective SSHEAR habitat biologist for the following checked items:**

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

RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (4 of 15)  
AREA: S-R6  
SITE: S-0330, S-330L-03, S-330R-01, S-0331, S-331L-01,  
S-330R-02, S-330R-03  
WRIA: 20.0330, 20.0330C, 20.0330D, 20.0331, 20.0331C,  
20.0331D, 20.0331E  
NAMES: Anton Cr (RM 0.84 - RM 1.8), Smoking Cr,  
Unnamed, Unnamed, Unnamed  
DATE: 3/00



