

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> 11/25/96
<b>Site Identifier:</b> S-R6-01	<b>WRIA:</b> <del>20-0329</del> C (P) 20-0334 C
<b>River Mile Location:</b> 35.8	<b>RB/LB:</b> RB
<b>Local Name:</b> Cahill Spring	<b>Trib. to:</b> Sol Duc (20.0096)
<b>Legal Description:</b> NW¼ Sec 34 T30N R12W	<b>County:</b> Clallam
<b>Habitat Type:</b> Spring creek	
<b>Landowner:</b> <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> County <input type="checkbox"/> Other Government <input checked="" type="checkbox"/> Private - Rick Cahill	

**Directions to site:**

Starting at Forks (Tillicum Park) drive north on Highway 101 for 14.5 miles to Hillstrom Road. Take a right on this road and follow for 0.1 mi. This is the 2nd driveway on the right; the address is 162 Hillstrom Rd. The spring channel is at base of the wall, below the residence. Contact owner before entering property.

**Site Overview:**

This small spring channel emanates and flows along a wall which is an intrinsic part of an adjoining rural residence. This channel is utilized by both adult and juvenile salmonids.

**Habitat Information:**

**Water source:** Springs

**Intermittent/year-around:**  
- Year-around

**Estimated flows (cfs):** ~1.5

**Water temperatures:** 8.5° C

**Adjacent stream temperature:** Sol Duc 6° C

**Other water observations:** Water is clear

**Site area measurements:**  Indirect  Direct  Combination

Widths: Channel- 30 cm - 1.5 m Ponds- NA Wetlands- NA  
Depths: Channel- 8 - 25 cm Ponds- NA Wetlands- NA  
Total length (includes ponds and wetlands): 65 m

**Total existing habitat area (est.):** 65 m<sup>2</sup>

Spawning area: 35 m<sup>2</sup>  
Impounded area: None  
Other rearing area: 30 m<sup>2</sup>

**Spawning Habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe spawning habitat:**

- There are some patches of gravel which adults utilize.
- The lower end is rock/gravel/silt.
- The mid and upper end is gravel/silt.

**Rearing habitat conditions:**  None  Poor  Fair  Good  Excellent

**Describe pond and other rearing habitat:**

- This channel is utilized by juvenile salmonids year-around, but it is limiting due to it's small size.
- The channel lacks LOD and pooled areas.
- There is some cover provided by overhang and brush.
- The area is mostly open, but there is some canopy from mature alder and a few conifer.

**Describe unaccessible habitat:**

- None

**Describe wetland:**  Bog  Marsh  Scrub-shrub Wetland  Forested Wetland

- None

**Flooding potential:**  Low  Medium  High

- Landowner reports that the river rarely influence this channel.
- I believe it is subjected to some backwatering, and that the lower end is effected by overbank flow from the river during high water events.

**Fish Information:**

**Site entry condition to (Sol Duc River 20.0096):**  Poor  Fair  Good

- The channel has an open egress, and it empties into a river bend which is deeper than the mid channel of the river.

**Coho access and use:**

- Juvenile-  Unknown  None  Poor  Fair  Good
- Adult-  Unknown  None  Poor  Fair  Good
- Adults access this channel and routinely spawn here but spawning area is limited. Two redds were observed during the initial survey.
- Juveniles have open access to this channel and utilize it year-around. Juvenile coho were observed during the survey.

**Other species access and use:**  Chum  Pink  Sockeye  Chinook  Trout

- It is unknown but likely that trout utilize this channel.

**Habitat Improvements:**

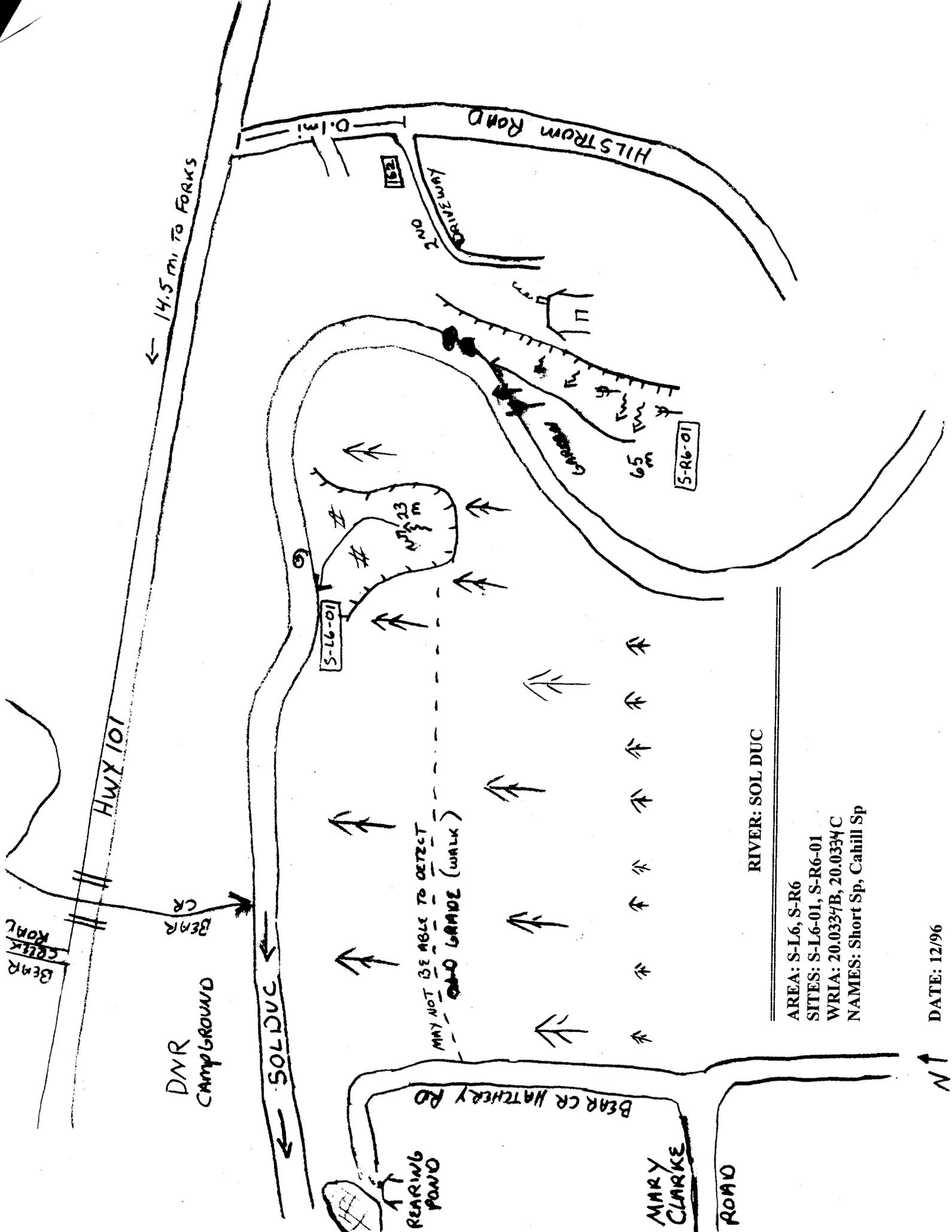
**Enhancement opportunities:**

- Plank controls for pooling.
- Possibly, gravel pads for quality spawning gravel.

**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 type="checkbox"/> Other references   | <input type="checkbox"/> Spawning surveys  | <input type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |



RIVER: SOLDUC

AREA: S-L6, S-R6  
 SITES: S-L6-01, S-R6-01  
 WRIA: 20-0337B, 20-0337C  
 NAMES: Short Sp, Cahill Sp

DATE: 12/96

RIVER: SOL DUC

AREA: S-R6

AREA MAP

DATE: Spring/97

