



**Total existing habitat area (est.):** 2250 m<sup>2</sup>

Spawning area: ± 50 m<sup>2</sup>

Impounded area: 2200 m<sup>2</sup>

Other rearing area: 0

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

**Describe spawning habitat:**

- There are some small patches of rock/gravel along the upper left bank of the pond where some springs emanate.

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

**Describe pond and other rearing habitat:**

- This channel lacks LOD and other cover in it's lower and mid section.

- It has few aquatic plants growing in it.

- The lower and mid section are mostly open, lacking a canopy.

- The upper section - in National Forest - has more LOD and shade provided by mature conifer.

**Describe unaccessible habitat:**

- This pond may be unaccessible during certain flows due to egress flowing through a standpipe which flows into a culvert.

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

- None

**Flooding potential:**  Low  Medium  High

- Little to none.

**Fish Information:**

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

- Egresses into a river bend with a deep pooled eddy; this is an ideal site condition.

**Coho access and use:**

Juvenile-  Unknown  None  Poor  Fair  Good

Adult-  Unknown  None  Poor  Fair  Good

- The pond flows into standpipe which flows into a ~3 foot culvert. Fish may only be able to enter the pond during high water conditions.

- Coho adult carcasses and redds were observed during this 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:**

- Improve/redo pond entrance.

- Additional cover in the pond.

- Excellent machine access for the lower reach.

**GPS: (decimal degrees, Datum WGS84):** 5/03

culvert - N48.05431, W124.15804

**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

DATE: 8/2-12/99

OBSERVER: Nettnin

Spawning gravel was added to the property line between USFS and private land. Cover structures were added from the culvert installation site (upstream) to just below the spawning gravel.

DATE: 12/27/00

OBSERVER: Powell

Low precipitation this fall/early winter. Good flow out of this system. A tote or more of fish carcasses from the Sol Duc hatchery were well distributed throughout the system. Juvenile salmonids were observed feeding on the carcasses. Numerous salmonids were seen throughout. Cattle grazing on riparian area. It would be beneficial to fence this site.

DATE: 4/18/01

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH			COTTID	
					COHORBT	CUTT	0+		
1	4/17	8.5°C	4/18	8°C	6	1	0	0	1
2	4/17	8.5°C	4/18	8.5°C	4	0	0	0	0
3	4/17	8.5°C	4/18	8.5°C	1	0	0	0	4
4	4/17	8.5°C	4/18	8.5°C	5	0	0	0	0
5	4/17	9°C	4/18	8.5°C	2	0	1	0	0
6	4/17	9°C	4/18	8.5°C	4	0	0	0	1
7	4/17	9°C	4/18	8.5°C	1	1	0	0	0
8	4/17	9°C	4/18	9°C	5	0	1	0	9
9	4/17	9°C	4/18	9°C	2	0	0	0	0
10	4/17	9°C	4/18	9°C	4	0	0	0	0
<b>TOTALS:</b>					34	2	2	0	15

Average size: 92.9 mm    STD: 10.5    Min-Max: 70-118    Count: 34 fish

**COMMENTS:**

- Trap 1 was placed at upper end of pond
- Trap 2 was placed 25 meters downstream of trap 1 on the right bank.
- Trap 3 was placed 25 meters downstream of trap 2 on the right bank.
- Trap 4 was placed downstream of trap 3 on right bank, in the upper mid pond area.
- Trap 5 was placed about midway on the right bank.
- Trap 6 was placed downstream of trap 5 where the pond starts to narrows.
- Trap 7 was placed downstream of trap 6 in the narrow and deep section of the pond.
- Trap 8 was placed about 30 meters upstream of the culvert on the right bank.
- Trap 9 was placed about 15 meters upstream of the culvert on the right bank.
- Trap 10 was placed about 6 meters upstream of the culvert on the right bank .

DATE: 4/19/01

OBSERVER: Darrow

Smolts and trout were observed the entire length of system. Baffled culvert is functioning fine, and there is a strong flow. Pacific Coast Salmon Coalition is in the process of building a fence around the site to exclude stock.

DATE: 1/7/01

OBSERVER: Powell

Lots of coho still spawning in the upper system. Property owner says it has been on going. Also saw adult steelhead at the culvert inlet. Culvert baffles were clear. Could see an abundance of juvenile fish but not as many as last year. The fencing to exclude stock was done at the property line adjacent to USFS property and not around the pond. Free roaming stock are hampering any vegetative growth around the right bank of the pond. The Pacific Coast Salmon Coalition distributed about 3 totes of fish carcasses for nutrient enrichment in this system.

**DATE:** 12/10/02

**OBSERVER:** King

Looks good. Piles of coho carcasses are in two different locations waiting to be distributed around site.

**DATE:** 5/8/03

**OBSERVER:** Powell

Observed lots of juvenile coho of all sizes plus trout. Coho carcasses are still evident.

**GPS: (decimal degrees, Datum WGS84):**

culvert - N48.05431, W124.15804

**DATE:** 10/23/03

**OBSERVER:** Powell

The recent large rain/flood event caused the river to run into the pond via the low spot by the orchard, directly downstream of the culvert. Water had backed-up to the top of the culvert, on the upstream end. Lots of flow. All else appeared okay.

RIVER: SOL DUC

AREA: S-L7

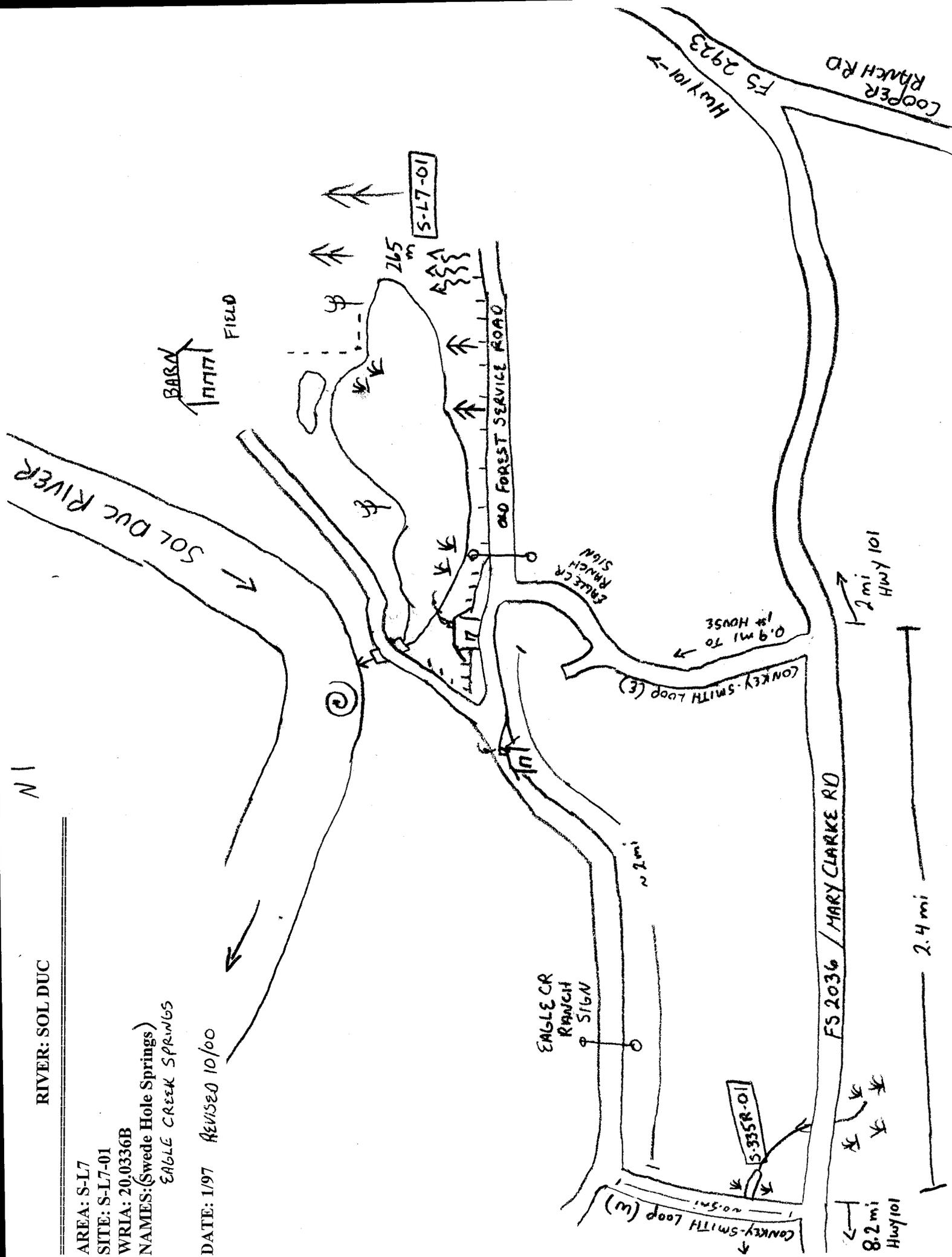
SITE: S-L7-01

WRIA: 20,0336B

NAMES: (Swede Hole Springs)

EAGLE CREEK SPRINGS

DATE: 1/97 REVISED 10/00



RIVER: SOL DUC

AREA: S-L7

AREA MAP

DATE: Spring/97

