

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): Nettnin
River System: Sol Duc	Date: 3/26/97
Site Identifier: S-312R-09	WRIA: 20.0312 I (P)
River Mile Location: 1.8	RB/LB: RB
Local Name: LaGambina Cr.	Trib. to: Swanson Cr (20.0312)
Legal Description: NW¼ Sec 09 T29N R13W	County: Clallam

Habitat Type: Lower valley wall tributary

Landowner: Federal State County Other Government Private
- Rayonier Timber Operations Company
- Department of Natural Resources
- Possibly Frank LaGambina

Directions to site:

From Forks drive north on highway 101 to MP 198.1. Turn left onto the T-line, then immediately left again onto the T-1010. There will be a gate 0.3 mi. up the road. Just beyond the gate there is a stream crossing. This is LaGambina Cr. S-312R-09.

Site Overview:

This third order stream sources near the toe of Tye Ridge in side slope wetlands, however, it receives water from valley wall tribs that go subsurface part way down the ridge and resurface as springs in these wetlands. It drains approxamatly 60 - 80 acres of timberland. About a third of the water shed has been logged in recent years.

Habitat Information:

Water source: Springs, and surface runoff

Intermittent/year-around: Unknown, probably intermittent

Estimated flows (cfs): Lower end: 1.0 - 2.0 Upper end: 0.1 - 0.2

Water temperatures: Lower end: 7.0° C Upper end: 7.0° C

Adjacent stream temperature Swanson Creek (20.0312): 8.0° C

Other water observations:

- Water is clear

Site area measurements: Indirect Direct Combination

Widths: Channel- 1.0 - 2.0 m Pond- 10 X 20 m Wetland- * 200 X 50 m

Depths: Channel- 20 - 50 cm Pond- 15 - 30 cm Wetland- * 2 - 4 cm

Total length surveyed : 550 m

* This is a side-slope wetland. It supplies water, but does not offer much for fish habitat.

Total existing habitat area (est.): 360 m²

Spawning area: 10 m²

Impounded area: 200 m²

Other rearing area: 900 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- The gravel is small, but there are clean pockets that provide spawning opportunities.
- All the spawning opportunities are above the T-1010.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- The pond at the T-1010 is 10 X 20 m and 6 - 12 in. Deep, aquatic plants provide cover.
- 100 m above the T-1010 there is a an associated impounded wetland.
- Instream cover is lacking in the channel.
- Good shading in places is provided by 30 - 40 year old conifer and old growth timber.
- Other areas will have better shading as the plantations mature.

Describe unaccessible habitat:

- There appears to be a problem culvert under the T-1010. Above this road, there is about 1,200 m² of stream and pond habitat.
- Any spawning opportunities in this stream are located above the T-1010.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- Most of this stream is associated with wetlands. The area above the T-1010 could be classified as one large wetland with numerous egresses to LaGambina Creek and Swanson Creek. These are typical side slope wetlands that drain to the streams rather than the stream draining them.

Flooding potential: Low Medium High

Fish Information:

Site entry condition to Swanson Creek 20.0312: Poor Fair Good

Coho access and use: Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

- On 3/5 - 3/6/97 one minnow trap was set in the pond. Five coho were caught.
- No traps were set above the T-1010.

Other species access and use: Chum Pink Sockeye Chinook Trout

- On 3/5 - 3/6/97 one minnow trap was set in the pond. Two cutthroat, one 0+ trout and six cottid were caught.

Habitat Improvements:

Enhancement opportunities:

Possible project type:

- Replace the culvert under the T-1010
- Replace the double culvert in the outlet with a single pipe.
- Deepen pond while replacing culverts
- Check on feasibility of gravel placement below the pond.
- maintain integrity of the channel
- There is equipment access to pond

Additional Comments:

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

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

DATE: 3/6/97

OBSERVER: Nettnin

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH					
					COHO UMRK	MRK	RBT	CUTT	TROUT SND	COTTID
1	3/5	7.0°C	3/6	7.0°C	5	0	0	2	1	6
TOTALS:					5	0	0	2	1	6

COMMENTS:

-Trap 1 was placed in the pond between the two roads.

DATE: 2/6/99 - 2/7/99

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						RBT	CUTT	0+	
1	2/6	5.5°C	2/7	5.5°C	6	0	2	0	7
2	2/6	5.5°C	2/7	5.5°C	5	0	2	0	9
TOTALS:					11	0	4	0	16

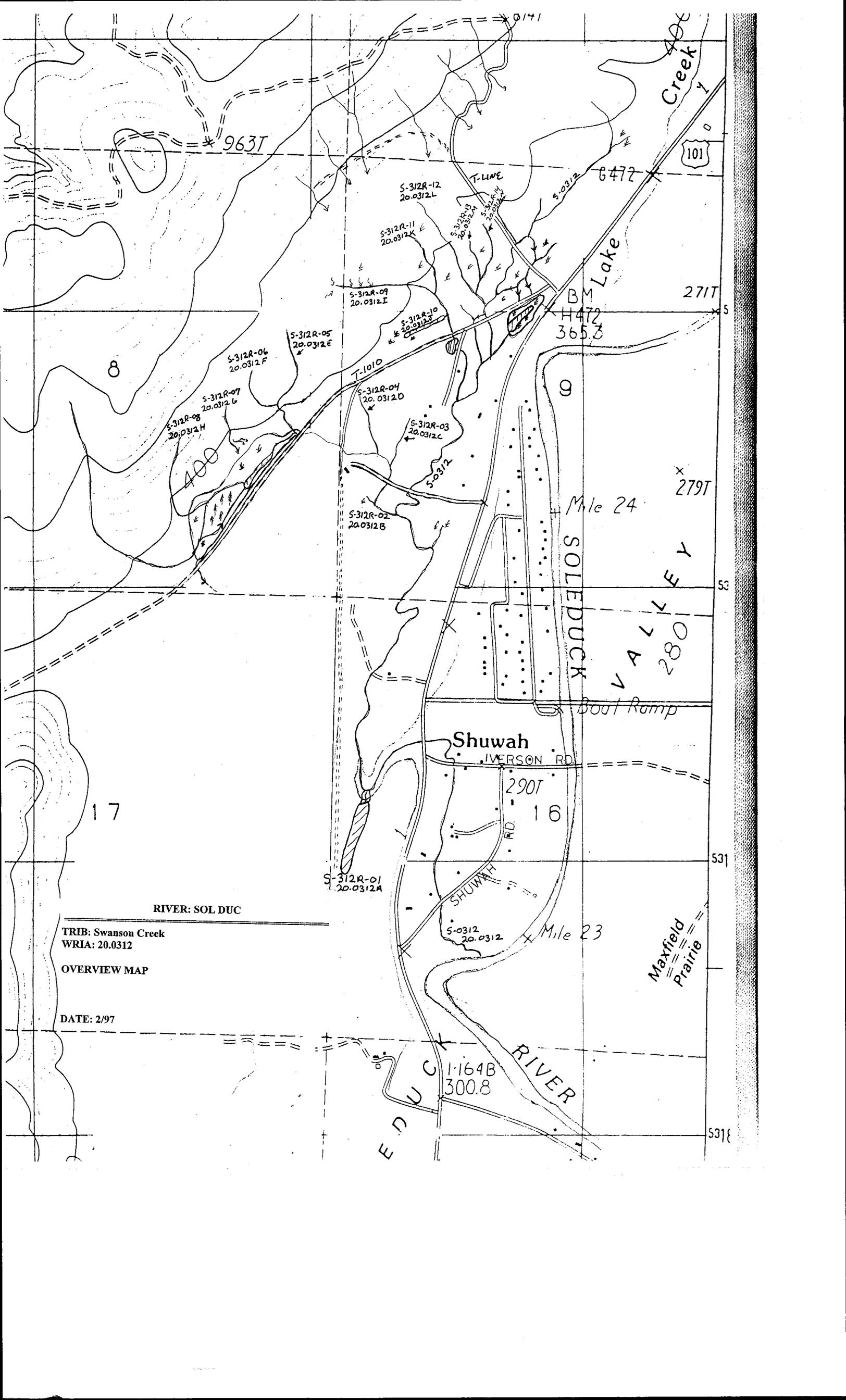
COMMENTS:

-Trap 1 was placed about 70 meters above the culvert under the T-1010 road. All fry are in good condition, the estimated size: coho 90 - 105 mm; trout 115 - 125 mm

-Trap 2 was placed about 40 meters above number one. All fry in good shape estimated size: coho 92 - 107; trout 102 - 125 mm.

-All traps were baited with salmon roe.

- The culvert under The T-1010 was replaced in the summer of 1998.



RIVER: SOL DUC

TRIB: Swanson Creek
WRIA: 20.0312

OVERVIEW MAP

DATE: 2/97

1-164B
300.8

Maxfield
Prairie

Mile 24

290T

16

Mile 23

SOLE DUCK
VALLEY
280

Boot Ramp

Shuwah

IVERSON RD

SHUWAH
RD

Mile 23

RD

RIVER

SOLE DUCK
LAKE

BM Lake

H472
365.0

101

271T

x 279T

53

531

531

963T

8

9

17

0141

6472

S-312R-12
20.0312L

S-312R-11
20.0312K

S-312R-09
20.0312I

S-312R-06
20.0312F

S-312R-07
20.0312G

S-312R-08
20.0312H

S-312R-04
20.0312D

S-312R-03
20.0312C

S-312R-02
20.0312B

S-312R-01
20.0312A

S-0312
20.0312

1-164B
300.8

RIVER: SOLE DUCK RIVER

AREA: S-R3

AREA MAP

9/96

