

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: 4/26/98, 4/5/01
Site Identifier: S-0355	WRIA: 20.0355
River Mile Location: 0.3	RB/LB: LB
Local Name: Tom Creek	Trib. to: South Fk Sol Duc (20.0354)
Legal Description: SE¼ Sec 2 T29N R10W	County: Clallam
Habitat Type: Valley wall tributary	
Landowner: (X) Federal () State () County () Other Government () Private - National Forest	

Directions to site:

Starting at Forks (Tillicum Park) drive north on Highway 101 for 24.4 miles (mp 216) to F.S. 2918 and take a right on this road. Follow this road for 4.2 miles, to the second bridge crossing. This bridge crosses the South Fork Sol Duc River. Follow the S. Fork upstream for about 0.3 miles. The prominent left bank tributary is Tom Creek.

Site Overview:

This large tributary is diverse in channel characteristics. The lower reach is semi-incised with bedrock and boulder cascades. The gradient in the first 500 meters varies from 8 - 14%. Cascade falls are up to seven feet. These factors would be a hindrance to coho movement during various flows. The mid surveyed reach had fewer cascades attributed to bedrock but boulders are prominent in the substrate. Further upstream, the channel area widens and alder is the primary riparian species. It was noted throughout the survey that gravel and pools are associated with boulders and debris jams. The physical characteristics of this stream are more conducive to trout.

The Sol Duc Watershed Analysis (1995) report stated that there was an anadromous barrier at RM 0.4 which blocked fish. No barrier was encountered within this area. This barrier could have been further upstream from the termination point of this survey. The report also stated that this channel had high levels of sediment input. This was due to the high road density in the associated areas. This stream has limited fish distribution and abundance information.

Habitat Information:

Water source: Tributaries and surface runoff

Intermittent/year-around:
- Year-around

Estimated flows (cfs): 5+

Water temperatures: 5° C

Adjacent stream temperature: 5.0° C

Other water observations: Water is clear

Site area measurements: Indirect Direct Combination

Widths: Channel- 2.5 m - 3.5 m (ww) Ponds- NA Wetlands- NA

Depths: Channel- variable Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 855+ m (trout habitat above end point)

- The Sol Duc Watershed Analysis report states there is 5.2 miles of fish habitat.

- Due to inaccessibility and time constraints, this survey was limited to RM 0.5

Total existing habitat area (est.): 2565 m² (measured for this survey)

Spawning area: 640

Impounded area: 0

Other rearing area: 1925 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Overall, the spawning habitat is more conducive to trout.

- The channel has pockets of gravel associated with large woody debris and boulders.

- The surveyed channel had numerous areas of bedrock and boulder. Boulders were prominent in the substrate.

- The Sol Duc Watershed Analysis report stated that high levels of road sediment associated with this stream could scour redds and increase egg suffocation.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- This channel has a canopy of primarily alder and some conifer.

- Large old woody debris provides cover in-stream. Many debris pieces were in complexes due to bedrock constriction.

- Boulder and woody debris provide pool habitat.

- There is a small spring channel at RM 0.3 that may offer limited high water refuge if it does not flood from the main channel.

- This channel is more characteristically a cutthroat stream.

Describe unaccessible habitat:

- It is assumed that the cascades and gradient in the lower reach are a barrier to coho during various flows.

- The 1995 Sol Duc Watershed Analysis reports that there is an anadromous block at RM 0.4. Apparently, the USFS attempted to modify it for fish passage but were not successful. This barrier was not encountered during the survey. It could have been further upstream then the survey termination point.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

- N/A

Flooding potential: Low Medium High

- Flushing flows within the system.

Fish Information:

Site entry condition to (S. FK. Sol Duc River 20.0354): Poor Fair Good

- The egress is boulder strewn and flows into the lower canyon area of the S. Fork Sol Duc River.

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
- The 1995 Sol Duc Watershed Analysis reports that resident cutthroat trout were observed upstream of anadromous blockage at RM 0.4.
- This report also stated that fish distribution and abundance information is limited.

Habitat Improvements:

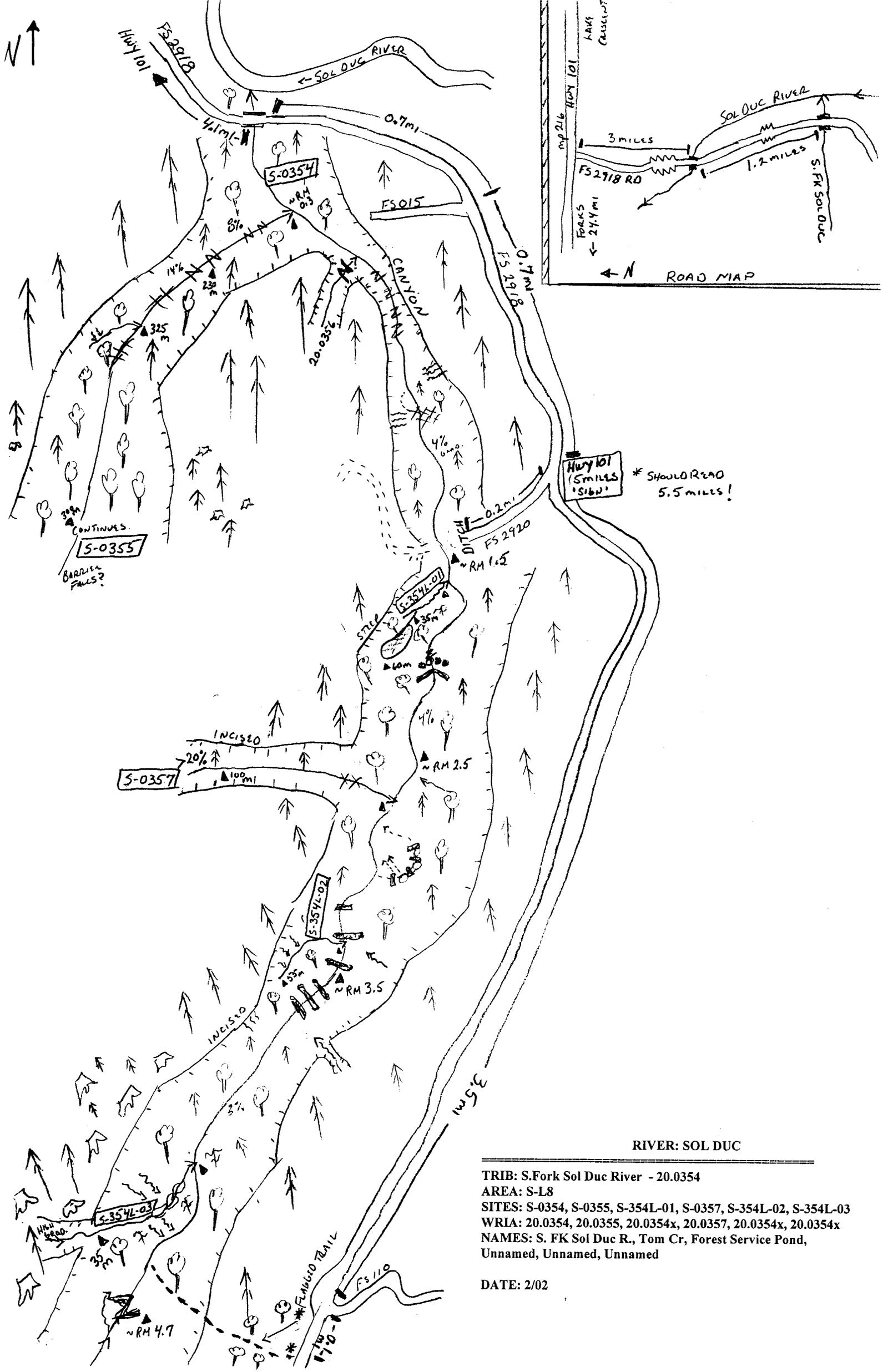
Enhancement opportunities:

- None recommended.

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



RIVER: SOL DUC

TRIB: S.Fork Sol Duc River - 20.0354
 AREA: S-L8
 SITES: S-0354, S-0355, S-354L-01, S-0357, S-354L-02, S-354L-03
 WRIA: 20.0354, 20.0355, 20.0354x, 20.0357, 20.0354x, 20.0354x
 NAMES: S. FK Sol Duc R., Tom Cr, Forest Service Pond,
 Unnamed, Unnamed, Unnamed

DATE: 2/02

OLYMPIC

NATIONAL

PARK

35

36

2

Mile 55

FS 2918 road

FOREST

NORTH

SOUTH

SOLEDUCK

FORK

RIVER

RM - 5

RM - 2.5

FS 2918 road

RIVER: SOL DUC
 TRIB: S. FORK SOL DUC
 WRIA: 20.0354
 AREA: S-L
 OVERVIEW MAP
 2002

RM - 3.5

13

Mile 59

Sore Thumb

23

S-354L-03

S-354L-02

S-354L-01

20.0354

S-354L-03

S-354L-02

S-354L-01

20.0354

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