

SITE INFORMATION

Site Identifier : NS7LB3 **Landowner Type :** State
Site Name : **Landowner Name :** WDFW
WRIA : 05.0135X **Address :** 600 Capital Way North
Region : NS **Address2 :**
Trib to : NF Stillaguamish R **City :** Olympia
River Mile : 27.97 **State :** WA
River System : NF Stillaguamish R **Zipcode :**
Legal Description : SW1/4S12T32NR8E **Phone :**
County : Snohomish
Habitat Type : terrace tributary

Coordinates
East: 1,701,362.00 **North:** 1,075,255.00

Directions :
 Head east on Hwy 530 out of Arlington for approximately 20 miles to Fortson Mill Road on the left. Follow this road to the old railroad grade. Hike east on the railroad grade (over the bridge) for 250 meters to the site.

Area Overview :
 This low-gradient terrace trib flows along the base of an old railroad grade and provides 2339 square meters of excellent rearing and 92 square meters of good spawning habitat. Juvenile salmonids were observed throughout the site.

Field Survey Information

Date : 4/14/03 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: () Spring (X) Groundwater (X) Surface runoff
Flow: () Intermittent (X) Year-round
Estimated Flows (cfs): Lower end: 3
 Upper end: 2
Water Temperature(C): Lower end: 8.3
 Upper end: 8.9
Receiving Water Temperature (C): 6.7

Other Observations:

Site Area Measurements: () Indirect (X) Direct () Combination
 Widths: Channel: 3.5 Ponds: Wetlands:
 Depths: Channel: 0.3 Ponds: Wetlands:
 Total length (includes ponds and wetlands): 590

Total existing habitat area (est. m2): 2431
 Spawning area: Mainstem: 92 Tribs: Total:
 Impounded area: Mainstem: Tribs: Total:
 Other rearing area: Mainstem: 2339 Tribs: Total:
 Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Gravel size ranges from 1" to 4"; the habitat is mostly pool/riffle; there is a fair amount of instream structure; and there is good brushy cover along the banks.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The initial 200 meters of the site is more slough like with slow-moving waters, a mud/silt substrate and a good amount of LWD (some of the LWD is cabled in at the upper end of this reach). Upstream of this point the site is pool/riffle and has a mostly gravel substrate with good meander.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The lower end of this site gets flooded during major events with the upper end being somewhat protected by the fish hatchery.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a large back eddy pool present at the entry area.

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

Describe: No spawning was observed during the survey (which was done in April) but there is a large amount of spawning habitat present and coho spawners are likely. Juvenile coho were observed all the way to the end of the survey.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: Chum and Pink salmon could also access and utilize the available spawning habitat in this site. Trout were observed all the way through the site to the end of the survey.

ENHANCEMENT OPPORTUNITIES: None

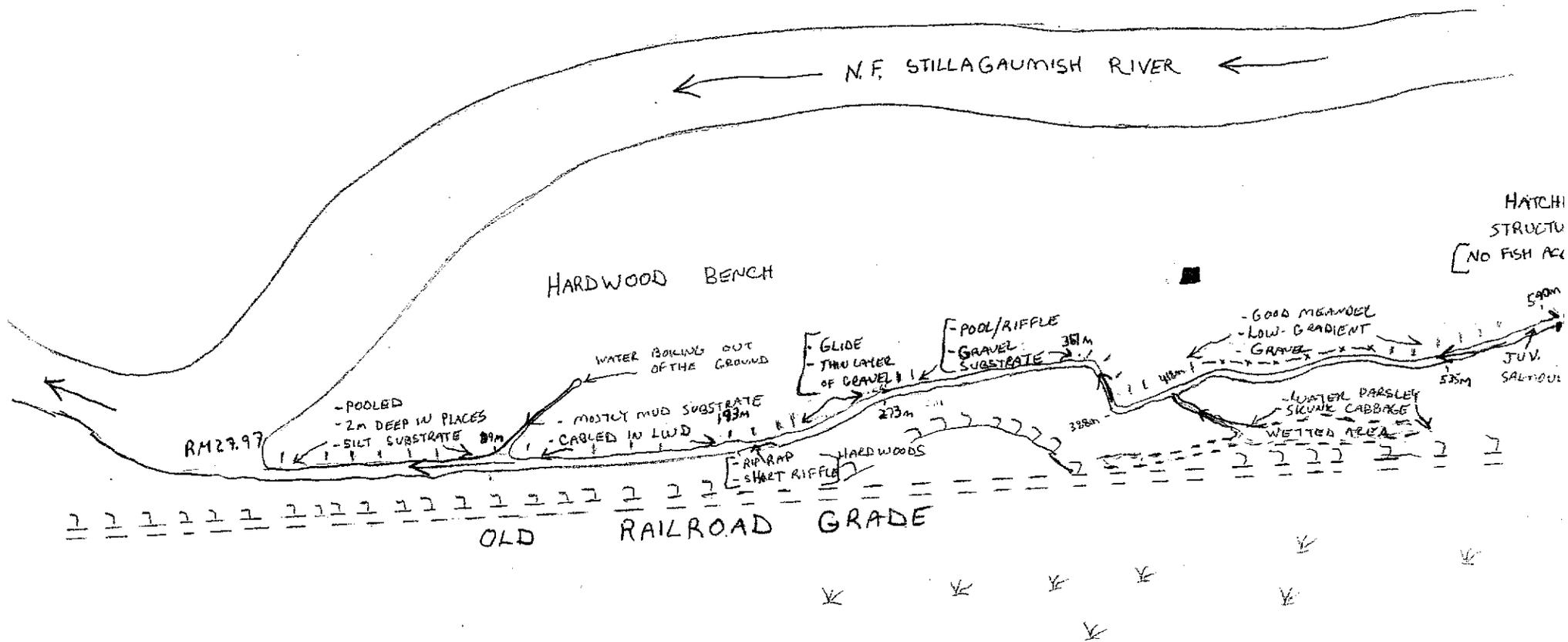
Project type:

Equipment access:

ADDITIONAL COMMENTS: The survey ended at the hatchery structure located in the Whitehorse Fish Hatchery west of Darrington.

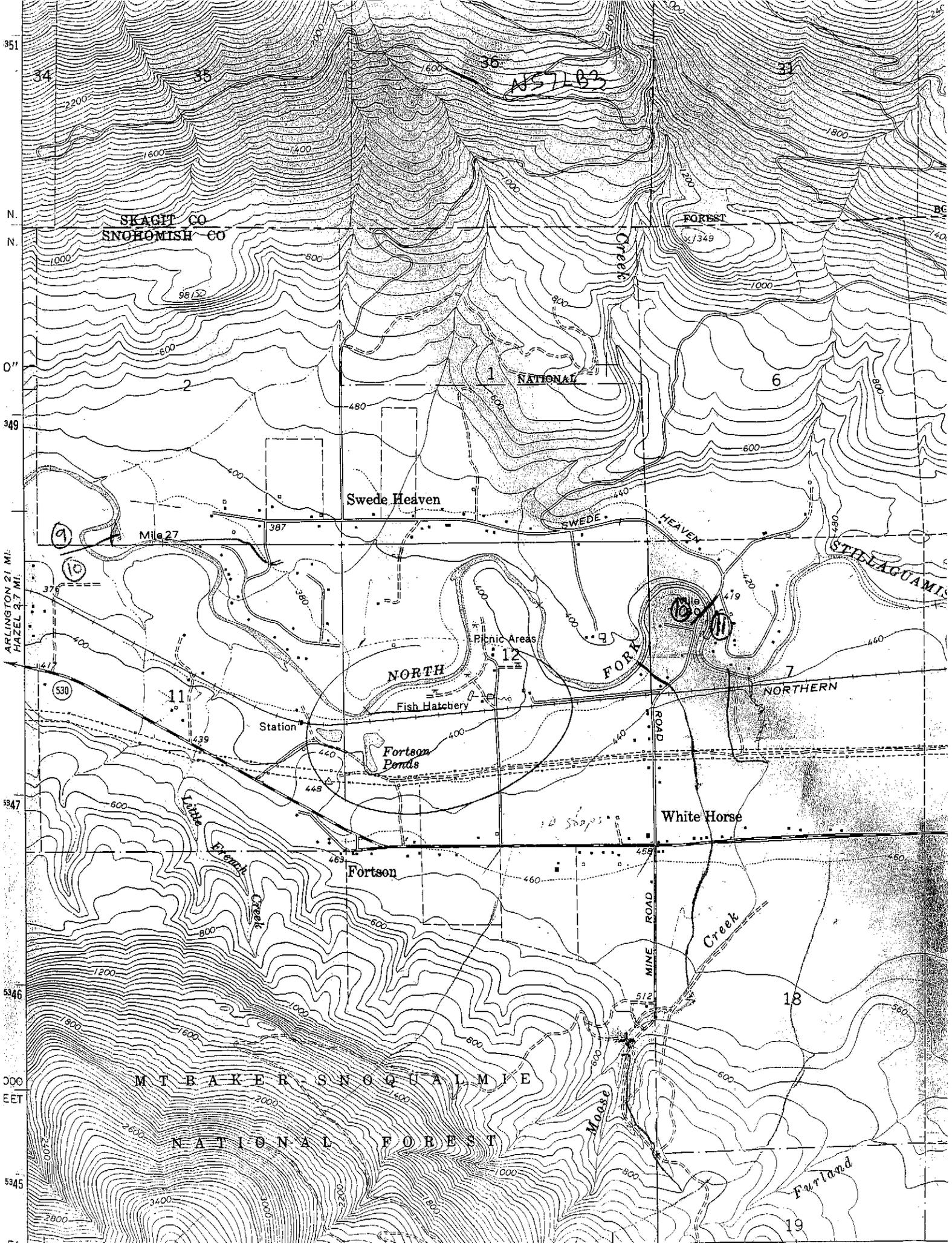
ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References



Site id. code: N57LB3
 Site name:
 Scale: 1" = 65m
 Observer(s): OLIS
 Legal location: SW 1/4 S12 T32 N8E

N



351
N.
N.
0"
349
ARLINGTON 21 MI.
HAZEL 2.7 MI.
530
5347
5346
000
EET
5945

SKAGIT CO
SNOHOMISH CO

FOREST
21349

NS 7103

1 NATIONAL

6

Swede Heaven

Mile 27

SWEDE HEAVEN

STEELEAGUAMIS

NORTH

FORK

NORTHERN

Picnic Areas

Fish Hatchery

Fortson Ponds

White Horse

Fortson

MINE ROAD

Creek

MT BAKER SNOQUALMIE

NATIONAL FOREST

Farland

2

11

18

19

9

10

12

NS 7 LB 3

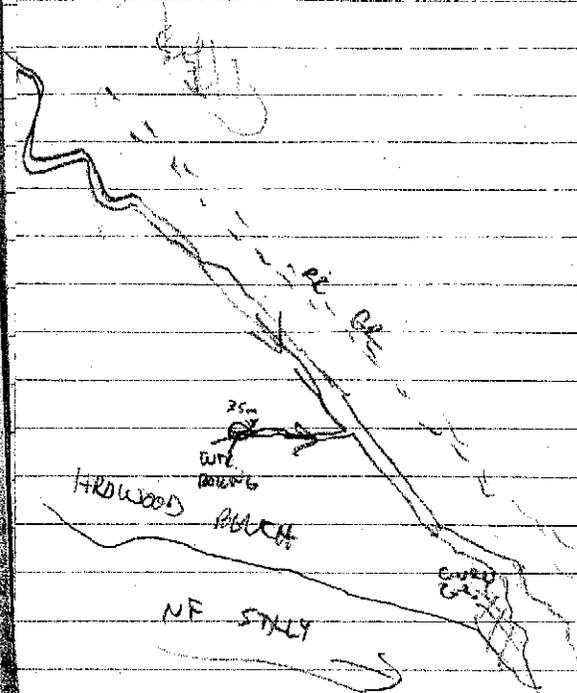
RM 27.97

SW 1/4 S12 T32N R8E

X- 1701362

Y- 1075255

4-14-03



0.0 MWD

FLOW. 3 CFS

WT - 47°

RWT - 44°

ACCESS - GOOD

89m WWD 6.2m

- slow - mound - BOILED

- 2' DEEP

- SILT - 5m

- small ribs on RB

193m WWD 5.7m

- thin layer of GR in places

- CARBON W LWD

193m ALDERS stream
ORDER

205m was 3m

- RIF RIF

- DIRT RIFFLE

273m was 4.3m

- SHALLOW GLIDE

294m was 2.3

- RIFFLE

- 14m² 1"-3" GL.

319m was 2.7m

POOL / RIFF

- 20m² - SHARP TURN TO RIGHT



388m was 2.9

- 10m²

- SHARP TURN TO LEFT!

418m was 2.6m

- MOSTLY RIFFLES / COBBLES

- 3m²

- RUST COLORED SANDS and

LB

535m was 3.3m

- POOL / RIFF low / shallow

- 20m²

- LOGS MEANING

590m wad 4.3m

- 14m²

- @ NATCHOLEY ROCK

- JUVENILE ~~STREPTOCOCUS~~

= 6" TROUT HOLE/DWELL

- ~~ATKINSON'S~~ GUMMAGE

W. WATER:

Flow - 2 WT - 48°

