

**SITE INFORMATION**

<b>Site Identifier :</b> PI2RB8	<b>Landowner Type :</b> Private
<b>Site Name :</b>	<b>Landowner Name :</b>
<b>WRIA :</b> 05.0080X	<b>Address :</b>
<b>Region :</b> NS	<b>Address2 :</b>
<b>Trib to :</b> 05.0080	<b>City :</b>
<b>River Mile :</b> 1.90	<b>State :</b>
<b>River System :</b> Pilchuck Cr	<b>Zipcode :</b>
<b>Legal Description :</b> NE1/4S8T32NR5E	<b>Phone :</b>
<b>County :</b> Snohomish	<b>Coordinates</b> East: 1,588,471.00 North: 1,080,035.00
<b>Habitat Type :</b> beaver pond	

**Directions :**  
 From the I-5 and Hwy 534 intersection (Conway/Lake McMurray exit), turn right towards Lake McMurray and head 5 miles to a T-intersection and Hwy 9. Turn right (south) on Highway 9, and go approximately 2.7 miles to a gated access road on the right which is at an old dairy farm now owned by Snohomish County. Go down the road and over trib 05.0080 to an old railroad grade. Turn left (south) and go approximately 0.6 miles to a culvert and the site.

**Area Overview :**  
 This beaver pond offers 9500 square meters of excellent coho rearing habitat. There is a partial barrier culvert (LP21 in the culvert inventory) in the outlet of the pond at 82 meters. A redd was observed upstream of this culvert.

**Field Survey Information**

**Date :** 3/5/01      **Observer :** Olis      **Survey Type :** initial

**HABITAT INFORMATION**

**Water Source:**      () Spring      () Groundwater      () Surface runoff

**Flow:**      () Intermitent      () Year-round

**Estimated Flows (cfs):**      Lower end: 0.2  
 Upper end: <0.1

**Water Temperature(C):**      Lower end: 7.0  
 Upper end: 7.2

**Receiving Water Temperature (C):**      5.5

**Other Observations:**

**Site Area Measurements:**      () Indirect      () Direct      () Combination  
 Widths: Channel: 1m      Ponds: 75m      Wetlands:  
 Depths: Channel: 15cm      Ponds: 2m      Wetlands:  
 Total length (includes ponds and wetlands): 494m

<b>Total existing habitat area (est. m2):</b> 9905			
<b>Spawning area:</b> Mainstem: 12	<b>Tribs:</b>	<b>Total:</b>	
<b>Impounded area:</b> Mainstem: 9500	<b>Tribs:</b>	<b>Total:</b>	
<b>Other rearing area:</b> Mainstem: 393	<b>Tribs:</b>	<b>Total:</b>	
<b>Unaccessible habitat:</b> Mainstem:	<b>Tribs:</b>	<b>Total:</b>	

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: There are a few gravel patches that are scattered throughout the site. The gravel size ranges from 1" to 3", there is good brushy cover with a fair amount of instream cover.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: From 0 to 41 meters, the stream is at 5% grade with a pea gravel/gravel substrate and is very brushy. At 41 meters, there is a short section that is at 12% grade with a few cascades present. From this set of cascades to the railroad grade at 82 meters, the stream gradient is at 7% with a few gravel patches present. From the upstream end of the culvert under the railroad grade to 190 meters, the stream gradient is 8% and the banks are heavily covered with blackberries. From 190 meters to 242 meters, the stream is low gradient with a mostly gravel substrate. There was a redd observed in this section. Above 242 meters is a large beaver pond with good amounts of woody structure in it creating excellent rearing for coho juveniles. On the southern perimeter of the pond is a slow-moving and mudbottomed trib that is loaded with water parsley in places. It is 100 meters long and ends in a seepy, mucky ground area.

Describe unaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: There was no evidence found that would indicate that this site is susceptible to flooding.

FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: The mainstem is pooled at the entry area. The initial 14 meters is a shallow riffled section through canary grass which may be a hindrance during low flow periods.

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

Describe: This site is accessible to both juveniles and adult coho. There was a redd observed at 210 meters which was probably coho but not certain. A few juveniles were observed at the lower end of the site.

Other species acces and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site is accessible to trout also,.

ENHANCEMENT OPPORTUNITIES: The culvert at the railroad grade (LP21 in culvert inventory) has a 0.37 meter drop off it and replacing it with a larger pipe that is countersunk would facilitate fish passage, especially juveniles.

Project type:

Equipment access:

ADDITIONAL COMMENTS: The survey was ended at the 100 meter mark of the small trib on the southern perimeter of the beaver pond.

ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping

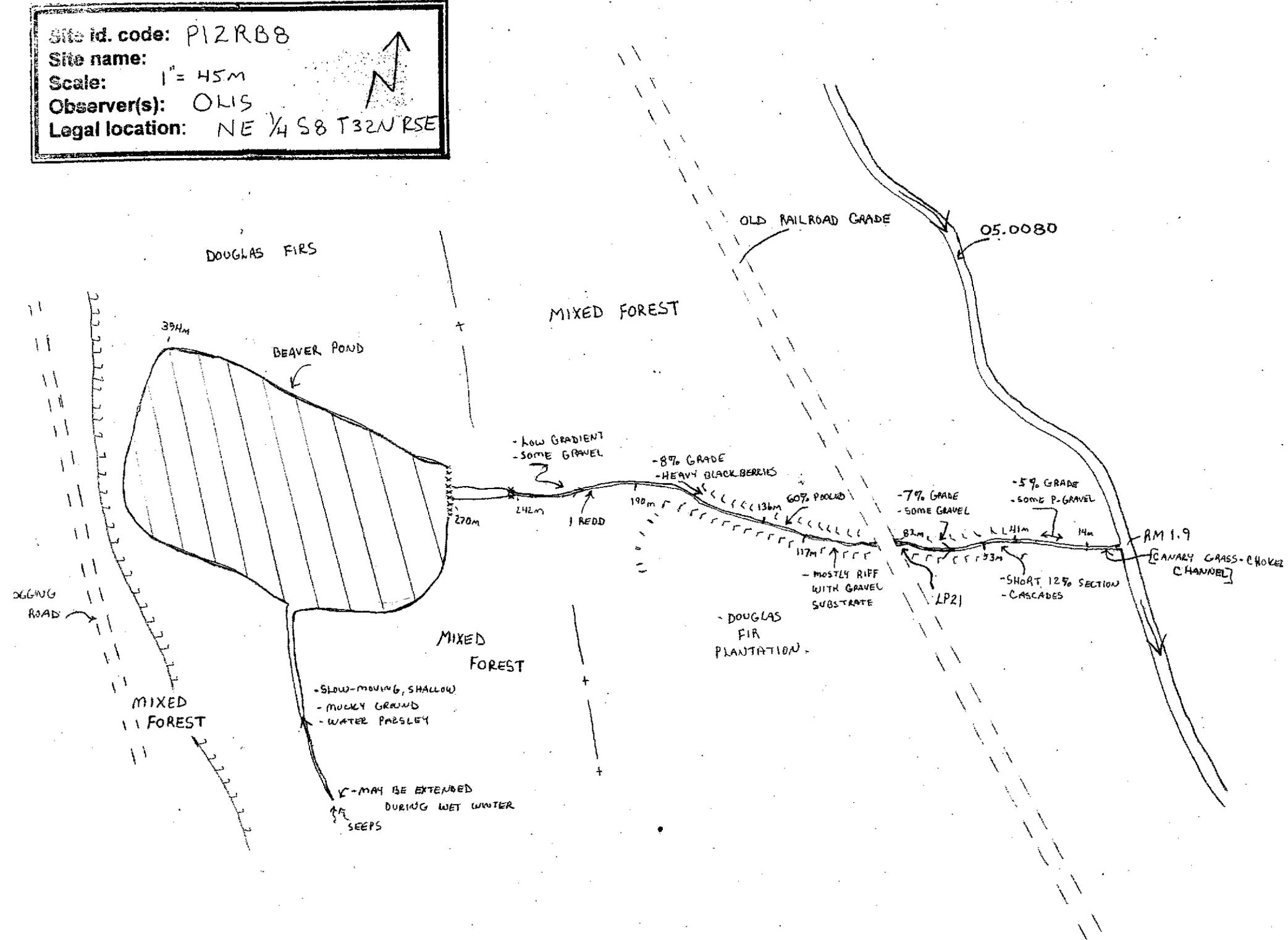
Site id. code: P12RB8

Site name:

Scale: 1" = 45M

Observer(s): OLIS

Legal location: NE 1/4 S8 T32N R5E



P12R88



558 12' 30" 559

SCALE 1:24 000

561 INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA, 1986

NORTH ↑



P12RBB

RM 1.9

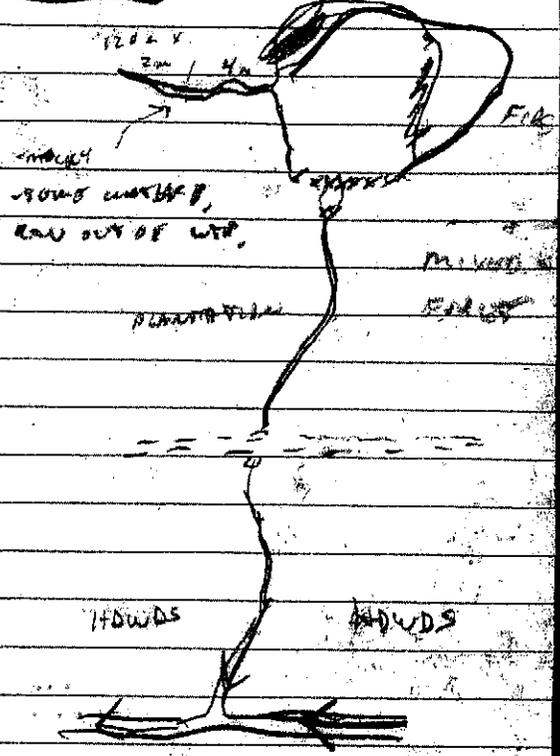
N 1/4 S 8 T 32 NRSE

X- 1588470

Y- 1079956

1080035

3-5-01



DDDDDDDE

O. ENTRY

ACCESS - ROAD

FLOW

WT - 44.5°

RWT - 4/2°

14m ww | m

- CANAL GRASSY CHOKED

CHANNEL

- MUD-BOTTOMED

- BEG. OF BRUSH

11m ww 1.3m

- 5% GRASS

- P-GR. & 2" CANAL SUBS.

- UNDER BRUSH

3 m<sup>2</sup>

53m WWL

- A CURVE OR CASC.
- 12% GRADE

82m WWL 0.8m

- 7% GRADE
- 2m<sup>2</sup>

@ RAILROAD GRADE  
& COLUMNS (LP 10)

117m WWL 0.9m

CR / mostly R.F.F.

136m WWL

- 60% POOL

190m WWL - 8%

FRESH BRICK BLENDS

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242m WWL 1.3m

- SUBST. CHANNEL
- LOW GRADE AT 1.1m
- (1 REEDS OBS. 210m)

@ BUR DAM

- WTR FLOWING THRU

270m WWL 5m

- POOL

@ 20m BUR DAM

- 100m x 75m POOL

ABOVE.

WTR TEMP - 45°

FLOW < 1 CFS

- REEDS OBSERVED
- EXTENDED DAM
- WTR FLOWING