

**SITE INFORMATION**

<b>Site Identifier :</b>	PI2LB1	<b>Landowner Type :</b>	Private
<b>Site Name :</b>		<b>Landowner Name :</b>	
<b>WRIA :</b>	05.0062X	<b>Address :</b>	
<b>Region :</b>	NS	<b>Address2 :</b>	
<b>Trib to :</b>	Pilchuck Cr	<b>City :</b>	
<b>River Mile :</b>	5.50	<b>State :</b>	
<b>River System :</b>	Pilchuck Cr	<b>Zipcode :</b>	
<b>Legal Description :</b>	SW1/4S16T32NR5E	<b>Phone :</b>	
<b>County :</b>	Snohomish	<b>Coordinates</b>	
<b>Habitat Type :</b>	wetland	<b>East:</b>	1,592,158.00 <b>North:</b> 1,071,079.00

**Directions :**

From where Hwy 9 crosses Pilchuck Cr, approximately 2 miles north of Bryant, hike downstream for 0.7 miles to the site.

**Area Overview :**

This site has a large, 4000 square meter marsh that offers excellent rearing habitat. However, there are a set of cascades and two beaver dams downstream of the marsh that would appear to limit access and stop juvenile upstream migration.

**Field Survey Information**

**Date :** 3/21/01 **Observer :** Olis **Survey Type :** initial

**HABITAT INFORMATION**

**Water Source:**             Spring             Groundwater             Surface runoff

**Flow:**                         Intermittent     Year-round

**Estimated Flows (cfs):**    Lower end: 0.5  
Upper end: <0.1

**Water Temperature(C):**    Lower end: 7.8  
Upper end: 7.8

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

**Other Observations:**

**Site Area Measurements:**     Indirect             Direct             Combination

Widths: Channel: 1.5m            Ponds:            Wetlands:

Depths: Channel: 20cm            Ponds:            Wetlands:

Total length (includes ponds and wetlands): 1438

**Total existing habitat area (est. m2):** 7815

Spawning area:	Mainstem: 10	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 7805	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: There are a few gravel patches located just above the large marsh. The gravel size ranges from 1/2" to 3"; there is good brushy cover but little instream cover.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: The initial 85 meters is the outlet to the large marsh upstream. This lower reach is at 5% grade, is mostly riffled with heavy brushy cover, and there is a 10 meter long section that is at 21% with cascades. At 85 meters and 93 meters are two beaver dams that are 1.5 meters high. Above these beaver dams is a 4000 square meter marsh that has large pooled areas and areas of braided channels. The marsh is mostly brush filled with several old beaver dams. There is water parsley, cattails, canary grass, rush, skunk cabbage and duckweed present. There is an inlet to the marsh and it is a 1 meter wide stream that is slow-moving and mostly pooled. This inlet forks 110 meters above the marsh. The left fork is 0.75 meters wide, is slow-moving, mud-bottomed with skunk cabbage, and seeps out of a large woodland swampy area. The right fork has a large swampy area with braided channels and large amounts of skunk cabbage. Upstream from this swampy area, the stream flows along the old railroad grade for 800 meters and appears to originate out of the same woodland swampy area that the left fork does.

Describe inaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe: The marsh is approximately 4000 square meters in size and is bordered to the west by a Douglas Fir plantation, to the east by the old railroad grade and to the south by privately owned land that sits on a slightly higher bench. The marsh is mostly brush filled with several old beaver dams that create ponded water in places and braided channels in other areas. There is reed canary grass, cattails, rush, skunk cabbage, water parsley and duckweed present.

Flooding potential:  Low  Medium  High

Describe: This site sits on a bench that is out of reach of Pilchuck Cr during flood events.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: The stream enters at a riffle in Pilchuck Cr.

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

Describe: There were juvenile salmonids observed in the lower end of the site but it was unclear if they were coho or not. There is a 10 meter long cascade section and two beaver dams to negotiate before coho can access the large marsh upstream.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site provides excellent habitat for trout also.

ENHANCEMENT OPPORTUNITIES: There is another stream to the east that is on the opposite side of the railroad grade from the marsh. It appears that this stream may have been connected to the marsh in the past and the railroad grade may be stopping this stream from doing so. Reconnecting this stream to this site would create more rearing habitat and may make this marsh more accessible to fish.

Project type:

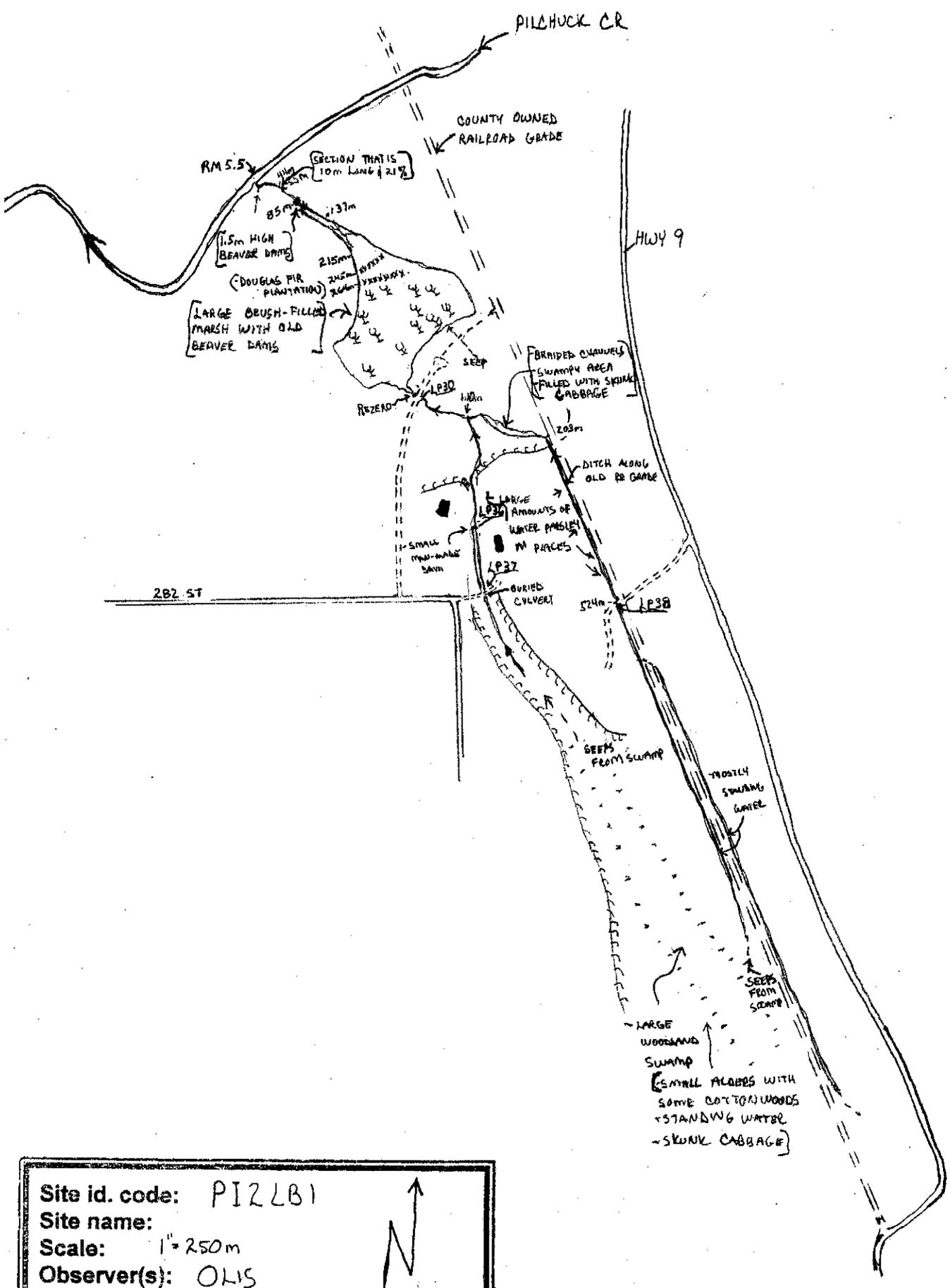
Equipment access:

ADDITIONAL COMMENTS: The survey was ended at the base of a woodland swampy area which was the water

of this site.

ATTACHMENTS AVAILABLE

- Aerials     Sketch     Maps     Spawning Surveys     Juvenile Trapping  
 Other References



Site id. code: P12LB1  
 Site name:  
 Scale: 1" = 250m  
 Observer(s): OLIS  
 Legal location: SW 1/4 S16 T32R5E



BRYANT



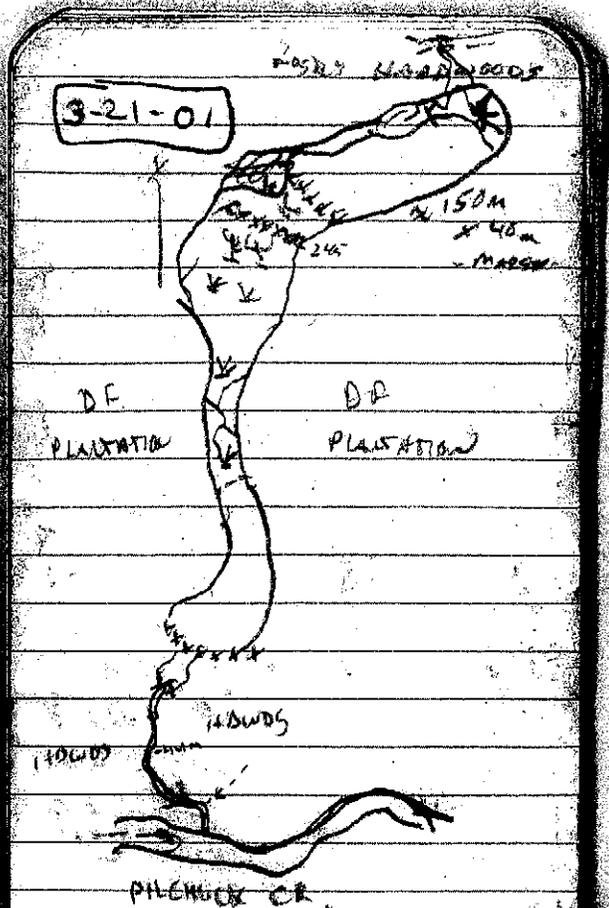
PIZ LBI

SW 1/4 S16 T32N R5E

RM 5.5

X - 1592158

Y - 1071079



0.0 ENTRY  
FLOW 1.24 CFS  
WT - 41°  
RLWT - 42°  
ACCESS - FAIR (REFUSED)

7m WW 0.8m  
- GRAVEL SUBSTR.  
- RIPPLED  
- SMALL DEBR ON LB

72m WW 1.5m  
- SLOW-MOVING  
- MUD-BOTTOMED  
- VERY BRUSHY

44m w/w 2m

- MOSTLY POOL
- @ BASE OF CASCADES

55m w/w 1m

- CASCADES & GLIDES
- 2.7%
- POSS. END OF FISH ACCESS

78m w/w 1m

- 5.9%
- MOSTLY RIFF W/ SOME STEP POOLS

85m w/w 3m

POOL

- @ OLD 4m BUR DAM w/ 1.5m DEPTH

73m w/w 7m

- POOL
- @ ANOTHER BUR DAM - 16m L X 1.5m H

137m w/w 2.2m

- BUR POOL

215m w/w 10m

- DIVIDED CHANNELS
- THICK CATTAILS, CANALS, RUSH, SKUNK CABBAGE

245m - was 40m (marked)  
- @ LONG BYR DAM

264m w/w 4m  
- @ LONG OVE DAM

12-27-01-  
CONTINUED SURVEY  
FROM CULVERT

REZERO -

6m w/w 8m pool

228m w/w 1m  
- SLOW MOV. SLIGHTLY INCLINED  
- C.B.P. ON LB



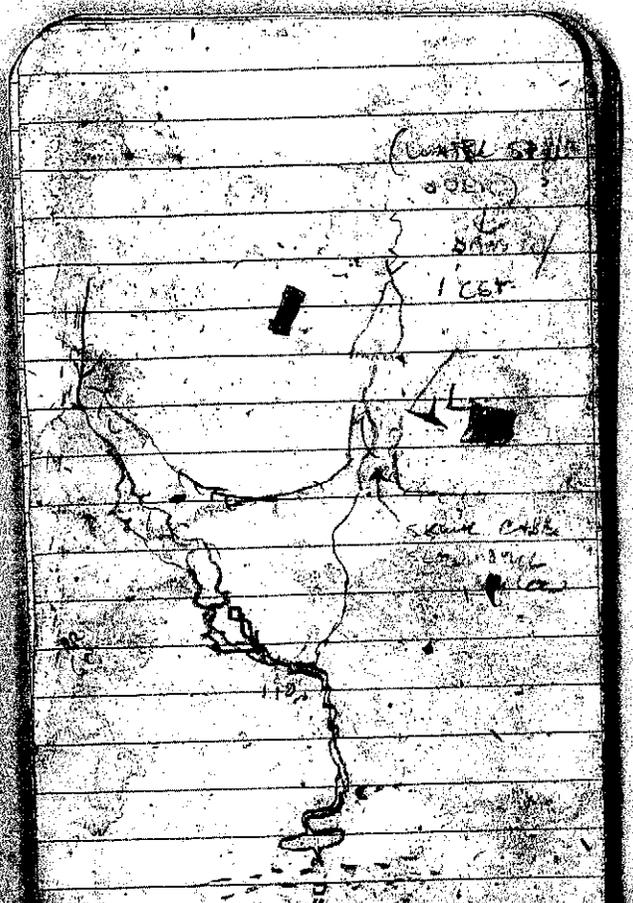
110m w/w 1.2m  
- MUSTER SET SURVEY W/  
ACROSS 46" CULVERT 3m  
- SOME SLOW C.B.P. FROM  
DAM

REZERO - @ LB TRIB  
FROM POND -

204m DEP @ 54m  
SLOW MOVING MUCKY  
- 20m - MANGROVE FROM  
TERRACE WALL

210m Low x 0.7m w

REZERO MANGROVE



23m was km  
 27m CLASH  
~~WAS A ROAD~~  
 now was Jan  
 now 3m distance  
 some noise  
 + lots of muck  
 lots of stuff  
 500, some with

184m NW  
 BRANDED SWAMP  
 BRANDED CHANNELS  
 WATER SK. CABLE  
 WATER P.  
 MOSTLY TREN ALDERS

20370 W.W. 1m

- BACK @ OLD RL GRADE
- 4.50% - SAND GRADE

44m W.W. 1.2m

- OLD RL GRADE
- SEVERAL DEEPS
- ALB P.O. (W.P.)

520 W.W. 2.8m

- SAND GRADE
- SANDS
- P.P. DEEPS &
- COLLECT 8m L
- 0.62 PCC 2m
- YES mint - 0.05%



- WORTH 0.15
- FILL 0.7m
- NON APPRIS

620m W.W. 2m

- SAND GRADE SANDS
- SAND GRADE

7016 m W.W. 1.5m

- WATER ON BOTH SIDES OF OLD GRADE
- SAND GRADE
- DITCH
- END OF 3.00%