

SITE INFORMATION

Site Identifier :	CH3LB1	Landowner Type :	Private
Site Name :		Landowner Name :	unknown
WRIA :	05.0018X	Address :	
Region :	NS	Address2 :	
Trib to :	EF Church Cr	City :	
River Mile :	4.65	State :	
River System :	Church Cr	Zipcode :	
Legal Description :	SW1/4S15T32NR4E	Phone :	
County :	Snohomish	Coordinates	
Habitat Type :	lower valley wall tributary	East:	1,564,296.00 North: 1,071,098.00

Directions :

From the intersection of 40TH Ave NW and 300TH St NW, go down 40TH Ave NW for 0.75 miles to where the right fork of this stream crosses the road.

Area Overview :

This tributary to EF Church Cr has two forks. The left fork is intermittent and landowners on this fork observed coho adults trying to pass through their culvert unsuccessfully in 2001. The right fork is spring fed and juvenile salmonids where observed in it on the day of the survey.

Field Survey Information

Date : 2/20/03 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

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

Flow: () Intermittent (X) Year-round

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

Water Temperature(C): Lower end: 6.7
Upper end:

Receiving Water Temperature (C): 6.7

Other Observations:

Site Area Measurements: () Indirect (X) Direct () Combination

Widths: Channel: 1.1 Ponds: Wetlands:
Depths: Channel: 0.15 Ponds: Wetlands:
Total length (includes ponds and wetlands): 1454

Total existing habitat area (est. m2): 1757

Spawning area:	Mainstem: 64	Tribs:	Total:
Impounded area:	Mainstem: 1123	Tribs:	Total:
Other rearing area:	Mainstem:	Tribs:	Total:
Unaccessible habitat:	Mainstem: 570	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Most of the spawning gravel was observed in the left fork of this site which has intermittent flow. There was a small amount of spawning gravel found in the right fork which has year round flow. The gravel size ranges from pea-gravel to 4". The amount of cover varies from poor on the left fork to good on the right fork.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The initial 115 meters of the site is in a pasture where the banks have been stomped on by livestock and a large piece of this pasture is heavily inundated throughout the winter. At the 207 meter point, the stream forks and the left fork is intermittent and has fish access for 83 meters to a private culvert(CH45) that is a barrier. This section has a mostly cobble/gravel substrate and averages 1.3 meters in width. The right fork is spring fed and has year round flow. It averages 0.9 meters in width, is mostly slow-moving and pooled, and has a mostly silt/mud substrate. It is in native growth protection area with good over-head canopy cover as well as good brushy cover.

Describe unaccessible habitat: The unaccessible habitat is located on the intermittent left fork upstream of the private culvert(CH45). The average stream width is 1.2 meters; stream gradient ranges from 2% to 5%; and there is a good amount of spawning gravel observed within the first 250 meters upstream of the barrier culvert. The first 320 meters upstream of 40TH Ave NW is in a small hardwood draw through a pasture with no brush on the banks.

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The first 115 meters of the site is in a pasture which was inundated on the day of the survey and that whole lower section of the pasture is probably underwater during flood events.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: The mainstem is slow-moving and pooled at the entry area.

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

Describe: The landowners on the left fork have observed adult coho trying to get through their culvert and failing. There were juveniles observed in the right fork on the day of the survey.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: This site is accessible to trout and does provide good rearing habitat for them also.

ENHANCEMENT OPPORTUNITIES: The initial 115 meters of the site is in a pasture that has been stomped on by livestock. This area needs to be fenced off and revegetated. There are two culverts on the left fork (CH45,CH46) that are barriers which could be replaced if the cost of the projects are feasible for the amount of habitat gain(525 meter gain).

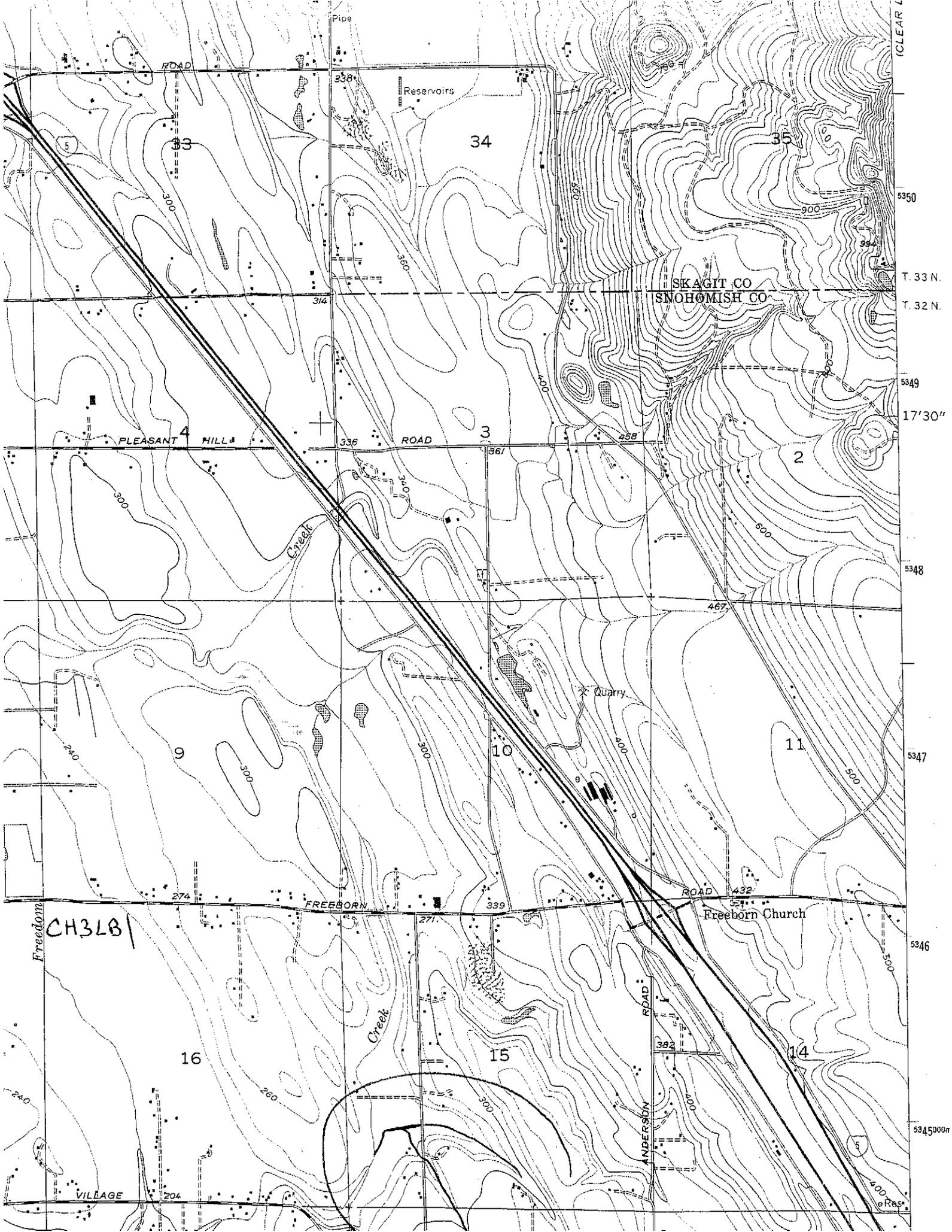
Project type:

Equipment access:

ADDITIONAL COMMENTS: The left fork has intermittent flow and appears to stay wetted during winters with normal precipitation. The right fork is a smaller spring fed creek that flows year-round.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References



(CLEAR L

5350

T. 33 N.

T. 32 N.

5349

17'30"

5348

5347

5346

5345000n

34

35

PLEASANT HILL

ROAD

3

2

9

10

11

FREEBORN

Freeborn Church

CH3LB

16

15

14

VILLAGE

ANDERSON ROAD

Creek

Quarry

Creek

Pipe

Reservoirs

2-20-03

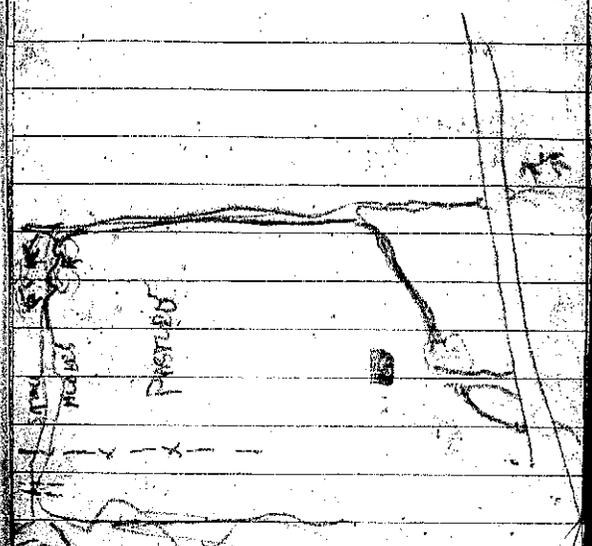
CH3 HB1

RM 4.65

SW 1/4 S15 T32N R4E

X- 1564296

Y- 1071098



0.0 ENDY

FLOW - 0.5

WT

RWT - 44'

ACCESS - GOOD

4m well 1.8m

mid-bottom

@ current

8m - ASPEN end of PIPE

11m well 1.2m

@ EWER'S LWB

75m well 1.1m

MUCH BOTTOM

75m NW 1/4S ALGO IS
SATURATED & STAMPED
ON,

W. SMALL AREA STRIP

106m - JULY MUCKY

PASTURE NOT MUCH
OF A CHANNEL

115m or NW 1m

@ BASE OF BRUSH

LINE STAMPY ALGO

147m NW 2m

SLOW-MOVING

SMALL SWAMPY ALGO

IS PRESENT ON AS

FROM BACKWATER

207m NW 0.9m

IN OLD DITCH LINE

@ FENCES

LF HAS MOST OF DLOW

290m NW 1.3m

9m² 2-4" GRAVEL

IN OLD STRIP

GRAVEL / COBBLE SUBSTR

@ CULTURE

353m NW 1.2m

4m² SAND COBBLE

MOSTLY RIFFLE

@ ROAD AND CULTURE

(10.5m TO WEST)

REZIVEN

12m - 2.5m POC

Backward Plan POC

75

SA

ON

N

1

17m well 1.1

@ 0.6m DRAP CIRC

DRAP

- 5m2

112m well 1.1m

- MOSTLY DENSE SUBSTR

TRAP

163m well 1.2

STOP PROBLEMS

@ 0.4m CAL STRM

BY PASSING

211m well 1.2m

@ 0.6m DRAP CIRC

DRAP & ROOTS

320m - @ CURBETS & FOUNLINE

403m well 1.5m

- MOSTLY DENSE SUBSTR

- IN 1987 STOP

SLOW REBOUND

@ FOUNLINE

46m well 2m

SHALLOW SPREAD STR

@ 0.6m of PROD

441m well 1m

VERY SHALLOW SPREAD STR

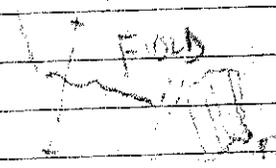
PROD 44° - 0.05

2863
40 AVENUE

ROADS



ROAD



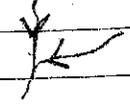
RF

SAEOWIGAS

MIXED FOREST

FIELD

40TH AVENUE



RECORD @ UPSTREAM
END OF CULVERT.

CH 49 0.46 PCC
O-OF-DE - FILL 2M
MAT - NO W.D 0.08
LENGTH 16.3m (N.B. SLOPE)
NO PLUNGE POOL
CH W -> 0.8m

ABOUT CULVERT

RF W DITCH - STOPS FLOW
LF COME OUT OF NATURAL
PROVISION AREA / WITH
GANG UP LF / BURIAL OF
OUT OF GROUND

15m WW 0.5m

- PVD-BOTTOMED
- PART OF THE FLOW IS
SUBSURFACE

15.7m WW 0.9m

- SLOW MOVING FLOW
- MOSTLY SILT / MUD BOTTOM
- 3.4m² PVD GRAVEL
- SOME SKUNK CHANNELS

18.7m WW 1m

@ POINT CLOSE TO OFFICER

19.6m WW 0.8m

@ 1' PVC CROSS
FROM DEMONSTRATION

191m saw Song Sparrow

228m with 0.9m

small stream on RB
2m²

243m with 0.9m

2m²

IN STAND OF LARGE
CON/ALP. MIX

257m with 1.5m

SHALLOW

SW. Sparrow OBSERVED

283m with 0.8

3m²

296m with 1.6m

SHALLOW 2m²



344m with 0.9m

- SWALLOW

- 5% Grass

- SALT / BASSIC / GRASS

407m with 0.9m

- 5m² ON SWALLOW

- 4-5%

434m with 0.8

0.38m Drip over rocks

ROCKS 1m²

458m with 1.1m

SHALLOW STREAM OBS

- END OF MIXED FOREST

- BEG. OF BIRCHWOODS

488m culm

- SHALLOW SPRING OUT
- CULM OUT (FOOT PATH)
- CM 50 - YES MAT.
- SAND PCC - 0.31
- FILL 1m - WD, 0.13
- NO PUNGE POOL
- LENGTH 3.3 (NO OF DIRT)
- NOT ABUNDANT
- 492m upper end of pipe
- SOL - WAD 2.2 m
- POOL

516m culm

- 560m 0.8 m V. BLOSSOM
- SKUNK CABB.

577m culm 1.2m

- SHALLOW SPRING OUT

577m SURFACE water
TRUNK ROOTS

628m culm 1m

- SAND/MUD SUBSTR
- SOME P. GENE
- STAKE IN SUBS. 0.5m
- FOR 2m in DIRT TRUNK ROOTS

646m culm 0.9m

- A 40cm diameter
- 1m spring TO SEEP OUT
- GROUND