



Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: There are a few gravel patches located within the first 118 meters of the site. The gravel size ranges from pea gravel to 3" and there is good brushy cover, however, the water depth was only 2"-3" in places on the day of the survey.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: This is a slow-moving, spring fed creek that averages 1.2 meters in width and has a mostly silt/mud substrate. It has good brushy cover along the banks with water parsley and skunk cabbage present. There are two places where the stream is subsurface for a few meters and there were juvenile salmonids observed upstream of these areas.

Describe unaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: During flood events the initial 50 meters could get back-watered from the mainstem.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: There is a pool present in the entry area.

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

Describe: Both adults and juveniles have been observed in this site in the past (Barkdull).

Other species acces and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site is accessible to trout also.

ENHANCEMENT OPPORTUNITIES: There is a PVC pipe at 88 meters that is at a footpath crossing. Although the pipe is not a barrier, it does not seem to be necessary for the crossing either and could be replaced with a small boardwalk type bridge made out of treated wood.

Project type:

Equipment access:

ADDITIONAL COMMENTS: The survey stopped at the 148 meter mark as water was seeping out of the ground. There was a pool with some standing water above this point.

#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References

Site id. code: CH3LB2

Site name:

Scale: 1" = 15m

Observer(s): OLIS

Legal location: NW 1/4 S15 T32 N4E



CONIFERS

EF CHURCH CR

CONIFERS

- GOOD BRUSHY COVER
- SLOW-MOVING, SHALLOW
- SILT/MUD SUBSTRATE
- SOME GRAVEL PATCHES

50m

RMS.02

FEENCE LINE

CONIFERS

PIPELINE CORRIDOR

STANDING WATER  
- SEEPS OUT FROM UNDER GROUND  
[END OF SURVEY]  
- 154

JUV. SALMONIDS  
- 148m

- 1-2" DEEP  
- POOL

132m

SUBSURFACE SEED

18m

- THICK BRUSH  
- SOME PEA GRAVEL

PVC PIPE

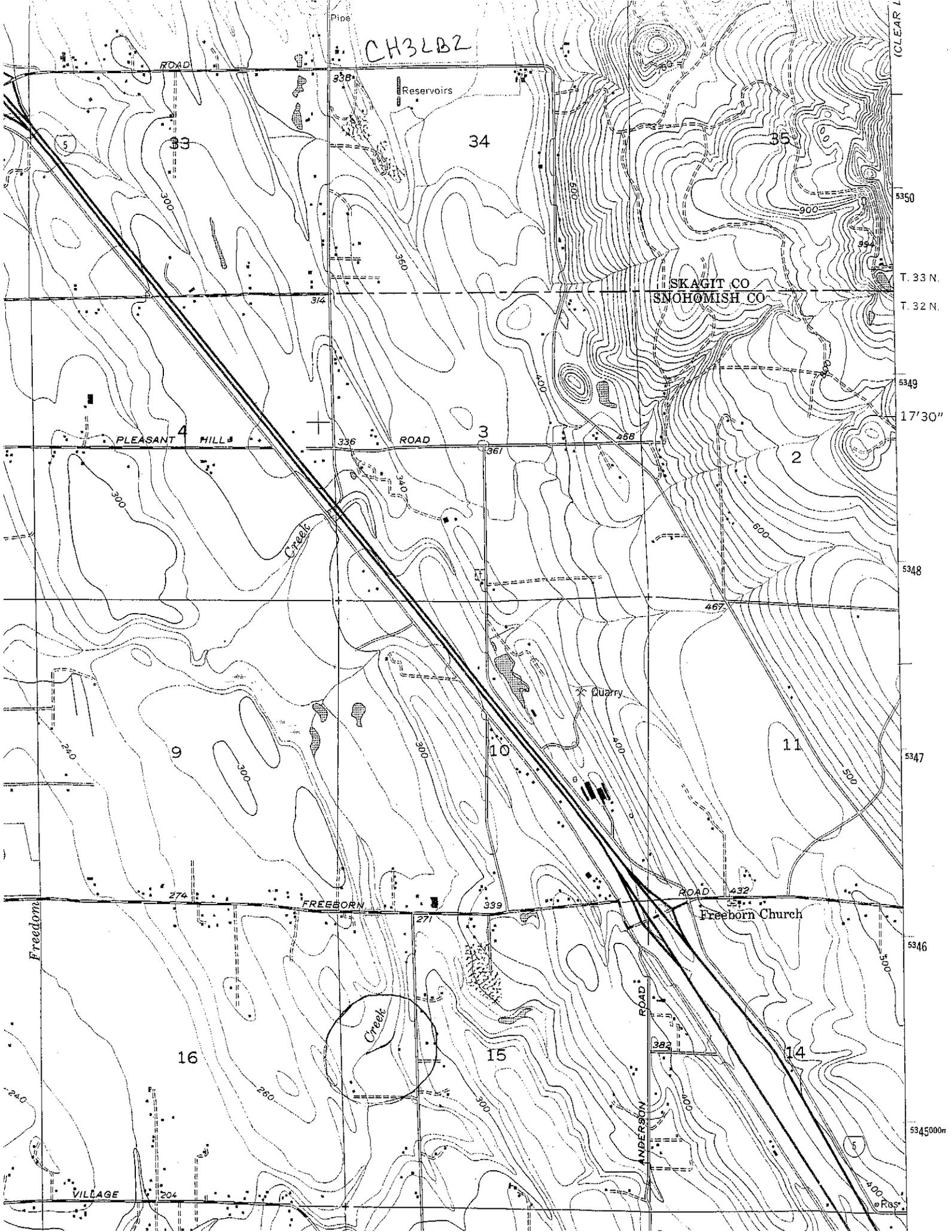
- SHALLOW POOL

JUN. SALMONIDS

FOOT PATH

66m

WATER PARSLEY



CH3LB2

34

35

SKAGIT CO  
SNOHOMISH CO

PLEASANT HILL

ROAD

3

2

9

10

11

FREEBORN

Freeborn Church

Freedom

16

15

14

Creek

ANDERSON ROAD

VILLAGE

(CLEAR 1

T. 33 N.  
T. 32 N.

5350

5349

17'30"

5348

5347

5346

5345000r

400 RAS

CH3 LB 2

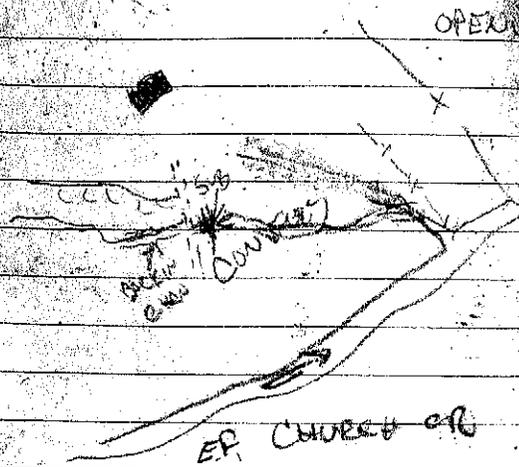
RM 5.02

NW 1/4 S15 T32N R4E

X. 1564176

Y. 1072925

2-20-03



0.0 BUTE<sup>U</sup>

FLOW - 0.1 CFS

WT 46°

RWT 44°

ACCESS - POOL

50m WW 1.6 m

- SLOW - MAINLY SHALLOW 2"-3"

- MOSTLY SAND/MUD CHANNEL

W/ A FEW GRASS

PATCHES, 5m<sup>2</sup>

- 1"-4"

- Good cover, mostly  
but shallow

66m WW 1.8

Some w. P.

77m w/w 1.5  
JUV. SALMONIDS OBS.

83m w/w 2m  
SHALLOW POOL

w. p.  
- SEEPS OUT OF GROUND  
w/ 46'  
FLOW 0.1

88m SUB SURFACE  
① FOD WITH OULDS

PVC PIPE - 0.35  
w/ 100' (OK)

92m UPSIDE END OF

CROSSING

118m w/w 1.5m

5000 P. CC  
- BLUE  
- JUV. SALMONIDS  
- (OK SUB SURT)  
5000 SPS ON 1.8

122 POPS OUT ABOVE

132m w/w 1.1

148m w/w 2.5  
1"-2" DBBP - POOL  
JUV. SALMONIDS

15<sup>th</sup> stops at  
from under ground  
END OF SURVEY

AFTER 15m  
AFTER IS SOME  
STANDARD WATER FLOW  
CONTINUES FOR 30m

- SAVING PWD
- JAW USE
- SON BEHAVIOR HAS
- SHALLOW