SITE INFORMATION

Site Identifier : WN2LB5
Site Name :
WRIA : 03.0227X
Region : NS
Trib to : Big Lake
River Mile : 8.15
River System : WF Nookachamps Cr
Legal Description : SW1/4S36T34NR4E
County : Skagit
Habitat Type : lower valley wall tributary

Landowner Type : Private
Landowner Name :
Address :
Address2 :
City :
State :
Zipcode :
Phone :

Coordinates
East: 1,576,253.00 **North:** 1,119,938.00

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 left (north) on Highway 9 and go 3.6 to West Big Lake Blvd. on the left. Turn left and go 3.35 miles to the site.

Area Overview :
This trib provides approximately 347 square meters of fair rearing and a small amount of spawning habitat. It appears intermittent and surface fed with a fair amount of bed load movement from a small active slide just above Little Mountain Road.

Field Survey Information

Date : 3/4/99 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

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

Flow: (X) Intermittent( ) Year-round

Estimated Flows (cfs): Lower end: 0.4
Upper end: 0.4

Water Temperature(C): Lower end: 6.4
Upper end: 6.4

Receiving Water Temperature (C): 5.8

Other Observations:

Site Area Measurements: ( )Indirect (X) Direct ( ) Combination
Widths: Channel: 1m Ponds: Wetlands:
Depths: Channel: 15cm Ponds: Wetlands:
Total length (includes ponds and wetlands): 388m

Total existing habitat area (est. m2): 347
Spawning area: Mainstem: 8 Tribs: Total:
Impounded area: Mainstem: Tribs: Total:
Other rearing area: Mainstem: 339 Tribs: Total:
Unaccessible habitat: Mainstem: Tribs: Total:

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: ( ) None ( ) Poor (X) Fair ( ) Good ( ) Exellent

Describe spawning habitat: Gravel size ranges from 1" to 3" and there is good cover from blackberries.

Rearing habitat conditions: ( ) None ( ) Poor (X) Fair ( ) Good ( ) Exellent

Describe pond and other rearing habitat: Below West Big Lake Blvd, it is mostly riffled habitat and averages approximately 0.75m in width. Above the road, there is heavy blackberry brush, and the creek forks at 112m. The right fork has mostly riffled habitat with cobble for a substrate and is ditched out at the upper end. The left fork is slow-moving and has good cover from blackberries. Just below Little Mountain road, there is little cover and the gradient increases with mostly riffled habitat present. Above Little Mountain road the gradient is 7% at first, then increases to 12%. It is mostly riffles and cascades as it flows through a small draw.

Describe unaccessible habitat:

Wetland type: ( ) Bog ( ) Marsh ( ) Scrub-shrub ( ) Forested

Describe:

Flooding potential: ( ) Low (X) Medium ( ) High

Describe: There is little threat of this site being flooded by Big Lake, however this creek can have high flows of its own as is evidenced by the bed load movement and material stacked up above Little Mountain road.

FISH INFORMATION

Site entry condition: ( ) Poor ( ) Fair (X) Good

Describe: This creek flows into Big Lake, allowing easy access for fish.

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

Describe: This site can be accessed by both juveniles and adults but neither were observed during the survey.

Other species access and use: ( ) Chum ( ) Pink ( ) Sockeye ( ) Chinook (X) Trout

Describe: This site provides some accessible rearing and spawning habitat for trout also.

ENHANCEMENT OPPORTUNITIES: None

Project type:

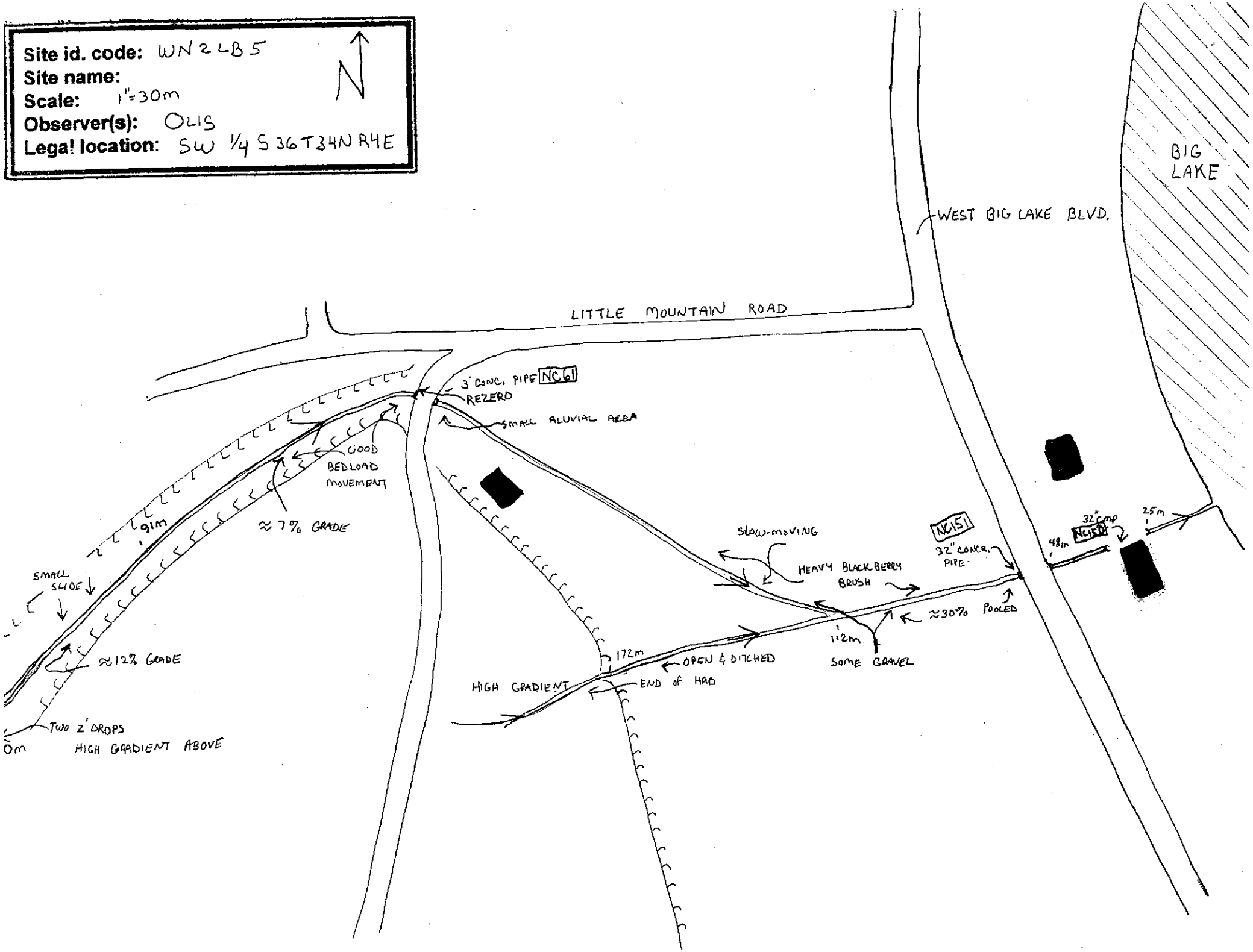
Equipment access:

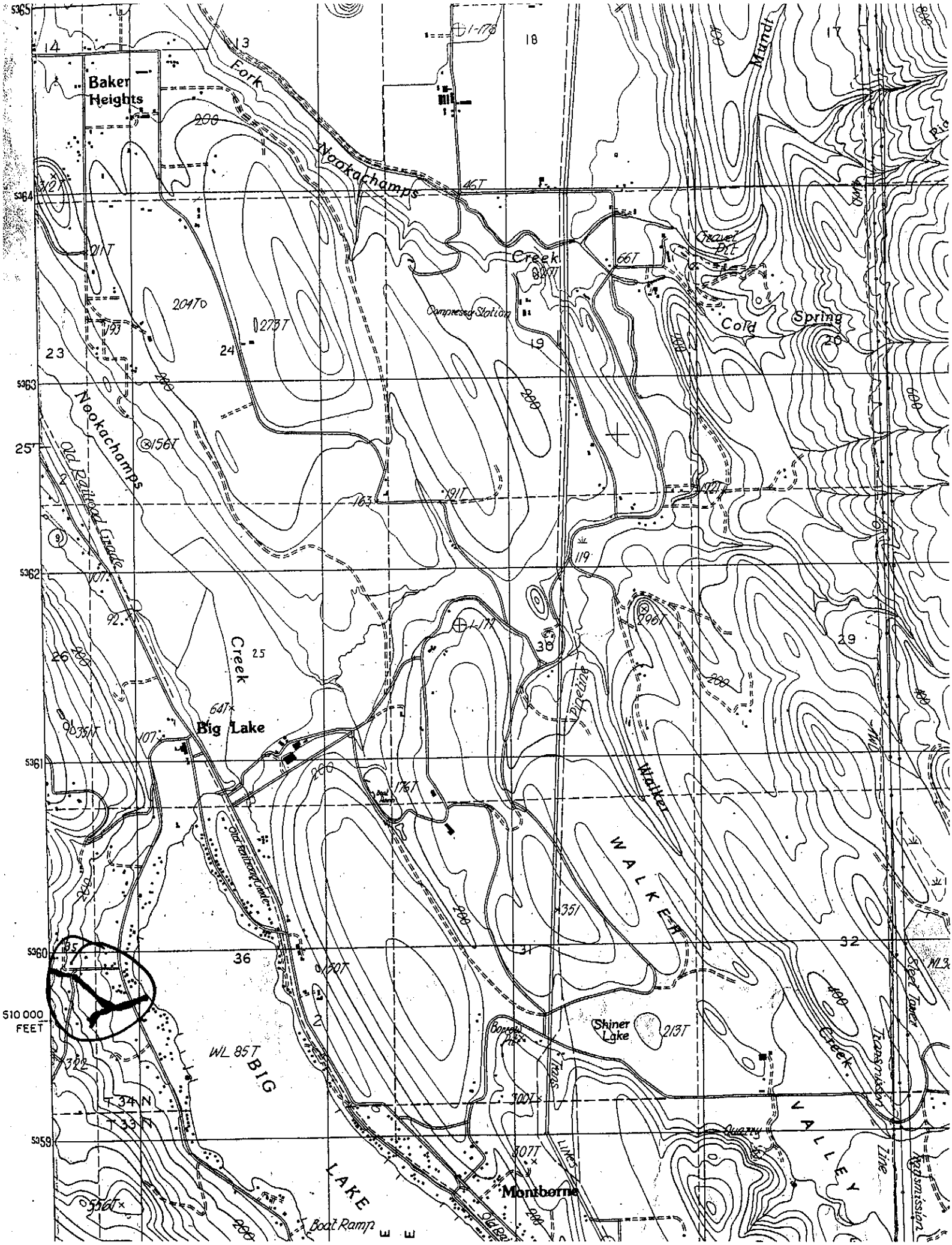
ADDITIONAL COMMENTS: There are three culverts on this site. The first one occurs at the 25m mark and is a 32" cst that is passable. The second one is under West Big Lake Blvd. and is a 32" concrete round pipe that is also passable. The third one is a 3 foot concrete round pipe on Little Mountain Road that is plugged on the upper end with mud and sediments. There is a small active slide just above the culvert that is contributing to the bedload movement. A larger culvert would relieve a maintenance problem for the county. There is less than 200 meters of habitat above the culvert and the survey was ended as the creek was too high gradient for coho use.

ATTACHMENTS AVAILABLE

(X) Aerials (X) Sketch (X) Maps ( ) Spawning Surveys ( ) Juvenile Trapping
( ) Other References

Site id. code: WN2LB5
Site name:
Scale: 1"=30m
Observer(s): OLIS
Legal location: SW 1/4 S36T34N R4E



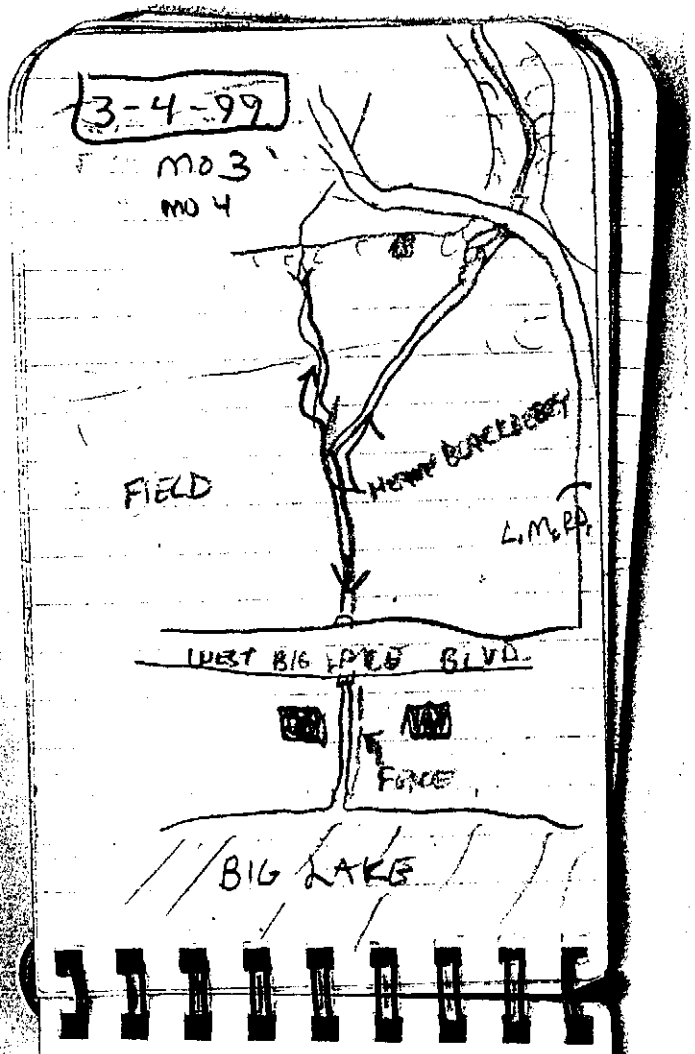


Baker Heights
Fork
Nookachamps
Creek
Compressor Station
Gravel Pit
Cold
Spring
Mundi
Nookachamps
Old Railroad Grade
Creek
Big Lake
Old Railroad Grade
Walker
WALKER
Pipeline
Shiner Lake
Creek
Transmission Line
Steel Tower
Transmission
VALLEY
Quarry
Trans
Lines
Montborne
Boat Ramp
BIG
LAKE
WL 85T
T 34 N
T 33 N
510 000 FEET
5365
5364
5363
5362
5361
5360
5359

WN2LB5

Rm 8.15

SW 1/4 S36 T34N R4E



0.0 ENTRY
FLOW -
WT - 43.5°
RWT - 42.5°
ACCESS - INTO LAKE

~~34~~ 25m WW 0.5 m
30 - MOSTLY RIFF
48 - OPEN, DITCH W/
60 SOME SHOT ROCK
ON BANKS
- @ 32" CMP OK AND
EDGE OF HOUSE
- 37m UPSTREAM END
OF CULVERT

48m - RWW 0.75m
- MOSTLY ELFF
@ 32" CONC. PIPE OK
& WBL - BLUD.
- 1' DROP/GLIDE
2m BELOW PIPE.
62m UPSTREAM END OF PIPE.
112m WW 1m
- 30% POOLED. HEAVY
BLACKBERRY BRUSH -
- 3m² SP HMB
- 1-3" GRAVEL
- GOOD COVER
- @ FORKS.
- RF GOES FOR 150m
TO SLOPE, - WW 0.5m
1/2 BLACKBERRY BRUSH

RF...
- 1/2 OPEN & FRESHLY
DITCHED.
- MOSTLY COBBLE & GR.
SUBSTRATE
END OF HMB TOO HIGH
GRAD ABOVE 43.5°

LF
GOES FOR..
130m WW 1m
- VERY HEAVY BLACKBERRY
- APPEARS SLOW-MOVING
- 200m TO LITTLE
MT. ROAD AND 3' CONC.
ROUND PIPE. LOWER
END IS 3/4 FILLED
WITH MATERIAL

LF...
ABOVE CULV.

91m - ~~RF~~ WW 1.5m
RIFF - IN A DRAW -
≈ 7% - 20% POOLED
450m UW 1m
- 12% GRADE -
COBBLE BOULDERS
- AT A COUPLE OF
2' DROPS. ~~GRADE~~
- HIGH GRADIENT
ABOVE. (TRUCK RUNNING)
- 3m² OF POOR SPAWNING
HABITAT ABOVE LMRd.

COMMENTS
- PACED IT OUT
- LOTS OF SEDIMENT
LOAD JUST ABOVE
LMRd. CULVERT.
- SMALL ALLUVIAL
AREA JUST BELOW
THIS PIPE
- LF IS AN ESTIMATE
- NO ONE HOME
- SOME FAIR SPAWNING
AVAILABLE IN PLACES
- SURFACE FED.
- MODERATE FLOOD
- STEMS TO MOVE
MATERIAL.
- GOOD REACING - INT.