

SITE INFORMATION

Site Identifier : WN2LB3 **Landowner Type :** Private
Site Name : **Landowner Name :**
WRIA : 03.0227X **Address :**
Region : NS **Address2 :**
Trib to : Big Lake **City :**
River Mile : 8.30 **State :**
River System : W F Nookachamps **Zipcode :**
Legal Description : SW1/4S36T34NR4E **Phone :**
County : Skagit
Habitat Type : lower valley wall tributary

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 3.2 miles to the site.

Area Overview :

This is an intermittent trib that probably flows 7 to 9 months out of the year. This site does offer some fair rearing and spawning habitat. Juvenile coho have been observed using it in the past.

Field Survey Information

Date : 02/25/1999 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 0.3
Upper end: 0.3

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

Receiving Water Temperature (C): 6.1

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1m Ponds: Wetlands:
 Depths: Channel: 15cm Ponds: Wetlands:
 Total length (includes ponds and wetlands): 517m

Total existing habitat area (est. m2): 452

Spawning area:	Mainstem: 8	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 444	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: It consists of a few patches with 1" to 2" gravel, a fair amount of overhead cover and in-channel cover.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The first 270m is approximately 20% pooled with little bank cover. At the 270m point, is a 20" drop through debris, which is a barrier to juvenile upstream migration. Above this point, the habitat is riffled with small cascades as the stream is approximately 9% grade with a 2' drop at 367m.

Describe inaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: There was some bank erosion at the 344m point, indicating that this stream can have high flows of its own at times, but there is no threat from receiving any flood damage from Big Lake.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: This stream flows into Big Lake and there is easy access.

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

Describe: There has been coho juvenile observed up to the 230m point in the past but none were observed during the survey. The site is accessible to adults also.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: A 4" trout was observed during the survey at the 225m point.

ENHANCEMENT OPPORTUNITIES: The culvert under West Big Lake Blvd. could be enhanced, although coho juveniles have been observed above it in the past.

Project type:

Equipment access:

ADDITIONAL COMMENTS: There is a 2' concrete round pipe under West Big Lake Blvd. that appears to be slightly over 2% slope and has an outfall drop of 0.6 feet. This culvert has been added to the culvert inventory. There is also a 2' cst at the 232m point which goes under a private, gravel driveway. This culvert is not a barrier. The survey was ended at the base of a steep draw and gradient was over 20%.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

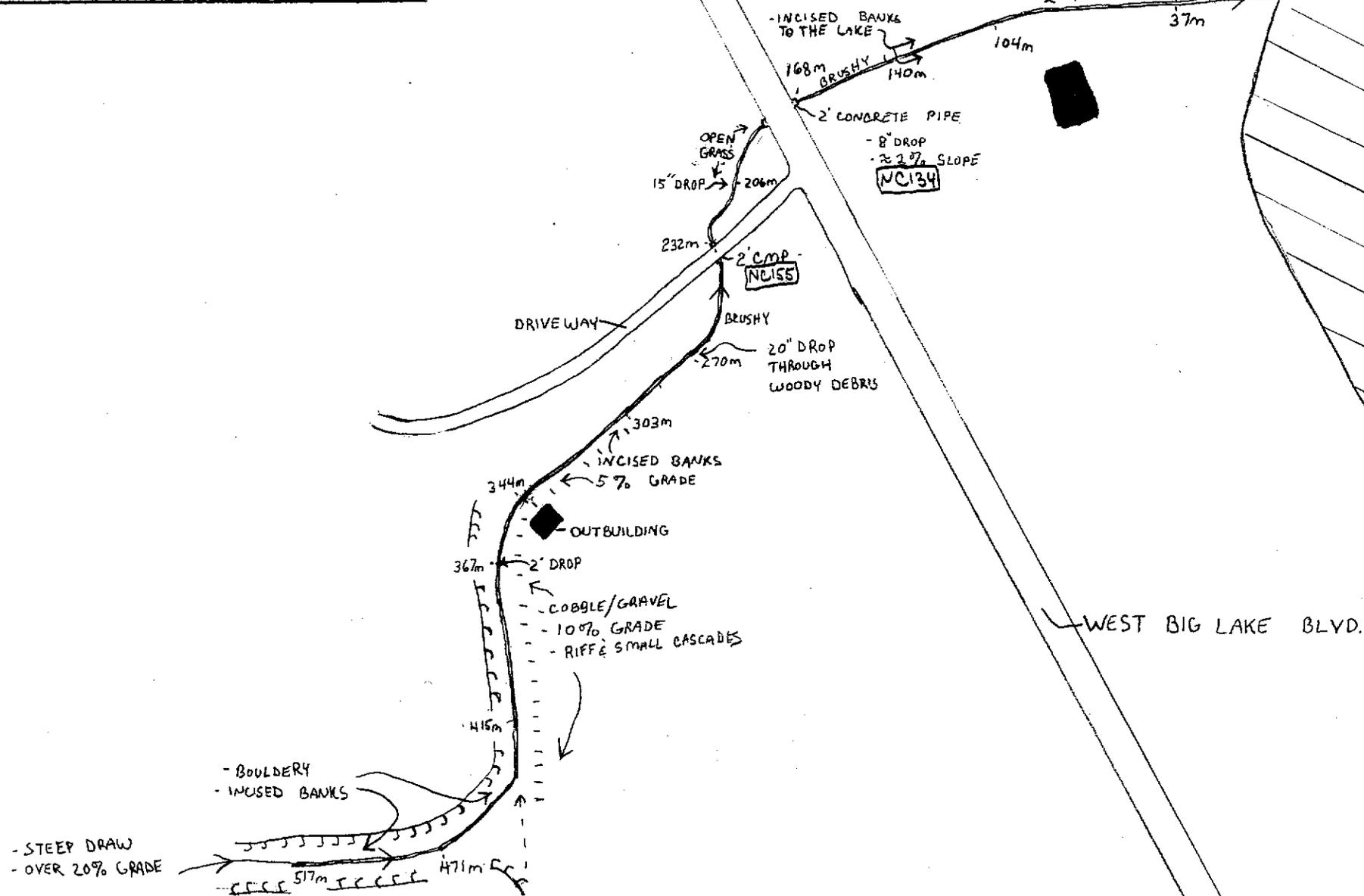
Site id. code: WN2 LB3

Site name:

Scale: 1" = 50m

Observer(s): M. OLIS

Legal location: SW 1/4 S36T34NR4E



168m w/w 1m

(GRASS SUB FROM
LAKE TO CULV.)

- BUSHY

- @ 2' CONCR. POND
COUNTY PIPE.

- HAS 7.5" DROP

@ 2' 2" SLOPE

CU2

180m UPSTREAM

END OF CULV.

206m w/w 0.75m

- GRAVEL SUBSTR

- @ 15" DROP



232m w/w 0.75m

- MOSTLY ROCK

- 4" TRAIT

- @ 2' CMP OK

236m UPSTREAM OF

CULV.

270m w/w 1m

- 30% POOLED

- SOME COBBLE IN
SUBSTR

- @ 20" DROP

THRU DEBRIS

END OF JUNE

TH GR.

- ADULTS

287m WW 1.5m
- SPREAD OUT CH.
- 2m² SP. GR.
- < 1" GR.

303m WW 1m
- SOME COBBLE
- MOSTLY RIFF
- @ OLD FENCE

344m WW
- 5% GRADE
- INCISED BANKS
- COBBLE - RIFF
- BRUSHY
- BEHIND OUTBUILDING



367m WW 1m
- @ 2' DEPTH

415m WW 1m
- COBBLES / SAND
- WITH WALL BASE
- FLOWS ALONG
WALL
- 10% GRADE
- 2-3m² POOL
- SP. HAB
- RIFF & SAND
BASE

471m WW 1m
- INCISED BANKS
- BOULDER 10%

571m w/w/m

127. 34008

RIFT & CR.

- @ BASE OF

STEPP DRAW

END of ~~CR~~

END. 440

Flow - 3