

**SITE INFORMATION**

**Site Identifier :** WN3LB11 **Landowner Type :** Private  
**Site Name :** **Landowner Name :**  
**WRIA :** 03.0227X **Address :**  
**Region :** NS **Address2 :**  
**Trib to :** Lake McMurray **City :**  
**River Mile :** 14.70 **State :**  
**River System :** W F Nookachamps **Zipcode :**  
**Legal Description :** SE1/4S25T33NR5E **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 right (south) on Highway 9 and go 0.3 miles to Lakeside Lane on the left. Turn left and go 30 feet to a culvert and the site.

**Area Overview :**

This trib appears to be intermittent and most of the suitable rearing habitat occurs below Highway 9. The culvert under Highway 9 is a barrier with only 40m of accessible habitat above.

**Field Survey Information**

**Date :** 02/09/1999 **Observer :** Olis **Survey Type :** initial

**HABITAT INFORMATION**

**Water Source:**  Spring  Groundwater  Surface runoff

**Flow:**  Intermittent  Year-round

**Estimated Flows (cfs):** Lower end: 0.4  
Upper end: 0.2

**Water Temperature(C):** Lower end: 5.5  
Upper end:

**Receiving Water Temperature (C):** 4.7

**Other Observations:**

**Site Area Measurements:**  Indirect  Direct  Combination

**Widths:** Channel: 1m **Ponds:** **Wetlands:**

**Depths:** Channel: 15cm **Ponds:** **Wetlands:**

**Total length (includes ponds and wetlands):** 250m

**Total existing habitat area (est. m2):** 236

**Spawning area:** Mainstem: **Tribs:** **Total:**

**Impounded area:** Mainstem: **Tribs:** **Total:**

**Other rearing area:** Mainstem: 190 **Tribs:** **Total:**

**Unaccessible habitat:** Mainstem: 46 **Tribs:** **Total:**

Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat:

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: The initial 71m is all riffled habitat with a sand and gravel substrate. From 71m to the culvert at 181m is mostly pooled and mud-bottomed with good cover from blackberries. This culvert, that goes under Highway 9, is a barrier to fish passage.

Describe unaccessible habitat: There is 46 square meters of accessible habitat above Highway 9 which is approximately 15% pooled, has a sand/pea gravel substrate and is brush-choked.

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: There was no evidence found that this site floods very often.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: This site flows into Lake McMurray at the entry area, allowing easy access.

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

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

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site can also be accessed by trout and it provides good rearing habitat for them.

ENHANCEMENT OPPORTUNITIES: None

Project type:

Equipment access:

ADDITIONAL COMMENTS: The culvert under Highway 9 is a barrier to fish and will be included on the culvert inventory. There is only 46 square meters of habitat above the pipe and the survey ended as the water was mostly subsurface with a 2' drop above.

#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References

LAKE McMURRAY

OLD RR GRADE

LANDSCAPE TIMBERS

RIFFLED

HEAVY BRUSH

50m

MOSTLY RIFFLED

71m

- MUD-BOTTOMED  
- SLOW-MOVING

16" CMP  
[NC181]

98m

HWY 9

LAKESIDE LANE

- SILTY/SAND  
- SLOW-MOVING

BRUSHY

157m

MOSTLY RIFF

181m

2-1' CMP [STACKED]

- 1' DROP  
- > 1% SLOPE

SMALL POOL

[NC180]

- BRUSH-CHOKED  
- 15% POOLED  
- P-GRAVEL/SAND  
SUBSTRATE

235m

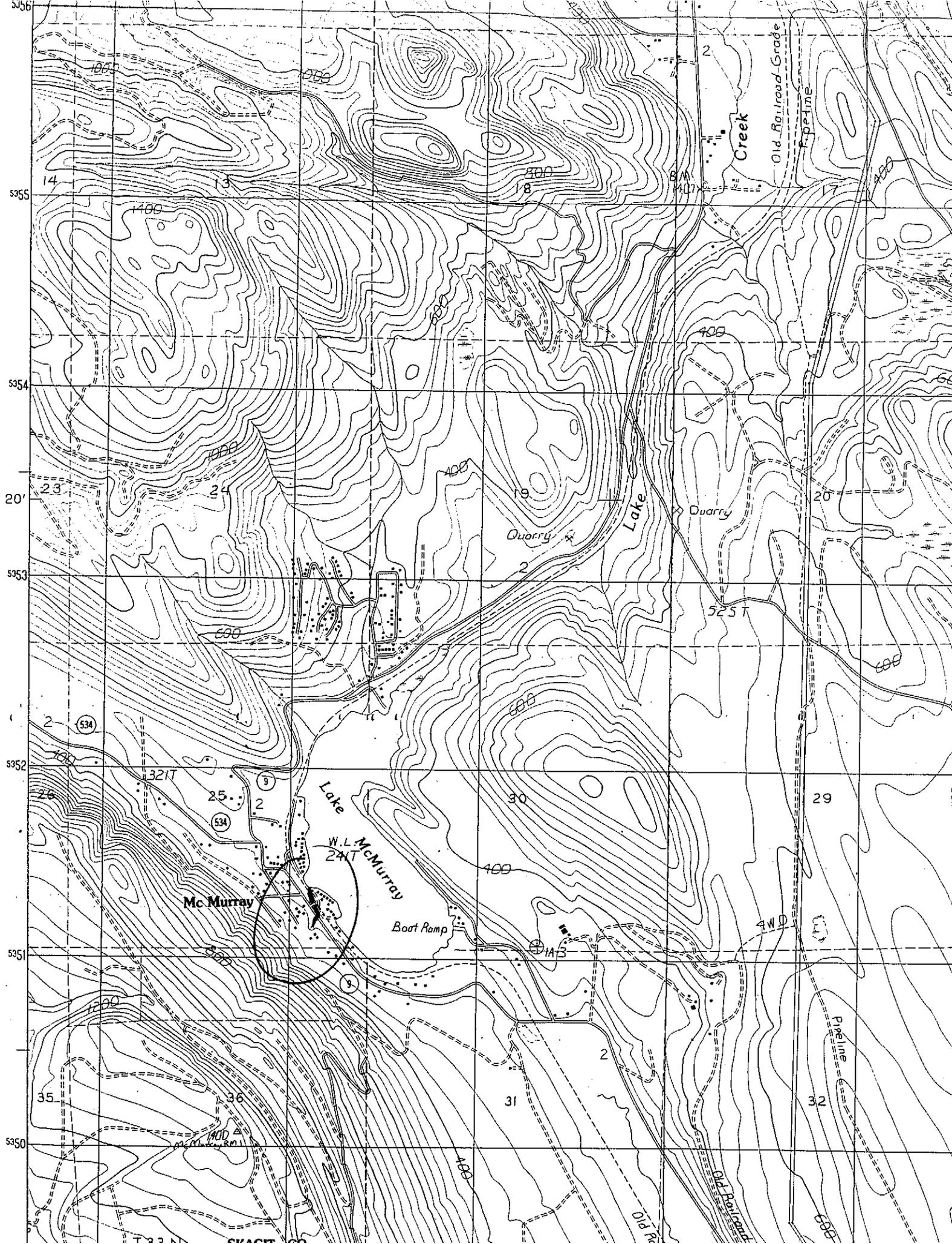
- 1' DROP  
- WATER SEEMS TO COME  
OUT OF GROUND.

250m

- 2' DROP - BARRIER TO JUVENILES  
- CREEK IS TOO SMALL FOR ADULTS  
AT THIS POINT.

Site id. code: WN3LB11  
 Site name:  
 Scale: 1"=20m  
 Observer(s): M. OLIS  
 Legal location: SE 1/4 S25T33NR5E





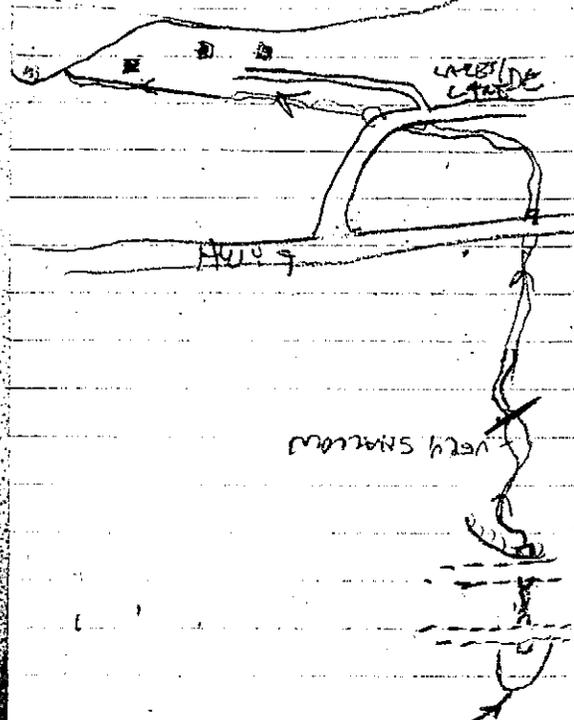
WN3LB11

RM 14.9

SE 1/4 S25 T33N R5E

L. McMurry

2-9-99



O.O ENTRY

FLOW - 0.4 CFS

WT. - 42°

RC. WT. - 40.5°

ACCESS - GOOD

50m WW 1m

- RIFF - SOME GRAVEL

& SAND - LAZSCAPE

TIMBERS

- BRUSHY - INT. NON HAB

LB.

7m WW .75m

- MOSTLY RIFF - BLACK BERRIES

98m ww 1m

- SLOW-MOVING - MORE  
POOLED - MID-BOTTOMED

- @ 16" CMP. LOOKS  
GOOD. LOTS OF LAE

110m UPSTREAM END OF  
CULV.

157m ww 1.5m

- SLOW-MOVING, STALLED

- SOME LIVER WART

- SILTY / SAND

- TURNS TO HWY 9.

181m ww 1.5m

- RIFF - 30% POOLED

- @ STACKED (2) 1'

CMP. > .8' FALL

> 10% SLOPED

- @ HWY 9

- 196m - UPSTREAM  
END OF CULVERT

- 2m x 3m POOL UPSTREAM  
OF CULVERTS

235m ww 1m

- BELLY CHOKED

- 15% POOLED

- P-GE. / SAND SUBSTR.

- @ 1' DEEP & SMALL  
CASCADE,

- WTL SEEMS TO COME  
OUT OF GROUND,

250m WC CH .5m

- @ 2' DEEP JUV.

BARRIER, END SURVEY

270m W.W. 5m  
- 1" DEEP - SPREAD

\* OUT & SHALLOW  
LOOKS LIKE END OF  
HAB. (PROBABLE)

325m W.W. 1m  
STRM. BACK W. CHANNEL  
SOME P. BR. - SL. INC.  
BANKS, CASCADES & RIFF  
15% POOLED  
- 8-10% GRADE

345m UPSTREAM END  
OF 16" ST PIPE, PLUGGED

356m 16" CMP.

353m UPSTR. END  
OF BUNKER &  
POND.

400m 10m WITH  
POND. DOES NOT LOOK  
ASSEMBLE

454m W.W. 0.5m  
- 8% GRADE RIFF

- HEAVY BLACKBERRIES  
- END OF HAB. - COMES  
OUT OF STEEP DRAW.  
- LOW FLOOD - NO  
FISH SEEN. - GOOD  
REARING IN PLACES -  
INT. - SURFACE - EOP