

**SITE INFORMATION**

**Site Identifier :** WN3LB1 **Landowner Type :** Private  
**Site Name :** **Landowner Name :**  
**WRIA :** 03.0227X **Address :**  
**Region :** NS **Address2 :**  
**Trib to :** Lake Cr **City :**  
**River Mile :** 12.60 **State :**  
**River System :** W F Nookachamps **Zipcode :**  
**Legal Description :** SE1/4S18T33NR5E **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 Hwy 9 and go 2.65 miles. Hike down to Lake Cr and the site.

**Area Overview :**

This intermittant trib does offer a small amount of good over-winter rearing habitat but it is unclear if fish can enter the site because of a subsurface connection with the mainstem. There is also a culvert at 9m that has a 1.5' drop and appears to be a barrier to juvenile migration.

**Field Survey Information**

**Date :** 12/14/1998 **Observer :** Olis **Survey Type :** initial

**HABITAT INFORMATION**

**Water Source:**  Spring  Groundwater  Surface runoff

**Flow:**  Intermittent  Year-round

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

**Water Temperature(C):** Lower end: 7.2  
Upper end: 7.2

**Receiving Water Temperature (C):** 6.1

**Other Observations:**

**Site Area Measurements:**  Indirect  Direct  Combination

**Widths:** Channel: 2m **Ponds:** **Wetlands:**  
**Depths:** Channel: 15cm **Ponds:** **Wetlands:**  
**Total length (includes ponds and wetlands):** 150m

**Total existing habitat area (est. m2):** 390

<b>Spawning area:</b>	<b>Mainstem:</b>	<b>Tribs:</b>	<b>Total:</b>
<b>Impounded area:</b>	<b>Mainstem:</b>	<b>Tribs:</b>	<b>Total:</b>
<b>Other rearing area:</b>	<b>Mainstem:</b> 390	<b>Tribs:</b>	<b>Total:</b>
<b>Unaccessible habitat:</b>	<b>Mainstem:</b>	<b>Tribs:</b>	<b>Total:</b>

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: This site has a lower reach that is 55m long and gets as wide as 5m in places. It is mostly shallow and pooled as it slowly moves through some brush along the base of an old grade. There is skunk cabbage present as the substrate is slightly mucky. The upper section has a 0.5m wide channel that is mostly riff, is approximately 6% grade and has a sandy, pea gravel substrate.

Describe unaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: The site appears fairly protected from the mainstem as it is on the opposite side of an old grade. The site does appear to have high flows of its own at times as the channel has been incised, sending down some bedload material, and creating a small alluvial fan just above the culvert.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: There is a pool present near the entry, however, the stream goes subsurface about 5' from the mainstem and it is difficult to determine whether fish can enter the site or not.

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

Describe: It appears that there would be no adult use because of the lack of available spawning habitat. Also, it is difficult to determine if juveniles can enter the site with the subsurface connection to the mainstem that exists. Furthermore, there is a culvert at 9m that has a 1.5' drop that appears to be a barrier to juvenile passage. No fish were observed on day of the survey.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site does provide some trout habitat but it is unclear if the site is accessible because of the subsurface connection.

ENHANCEMENT OPPORTUNITIES: Remove the culvert at 9m as the road does not appear to have been used for quite awhile and the pipe is probably a barrier to juvenile migration. It may be necessary to install a few log weirs to adjust for the drop in elevation. It also appears that a surface connection could be made fairly easily with a shovel or two.

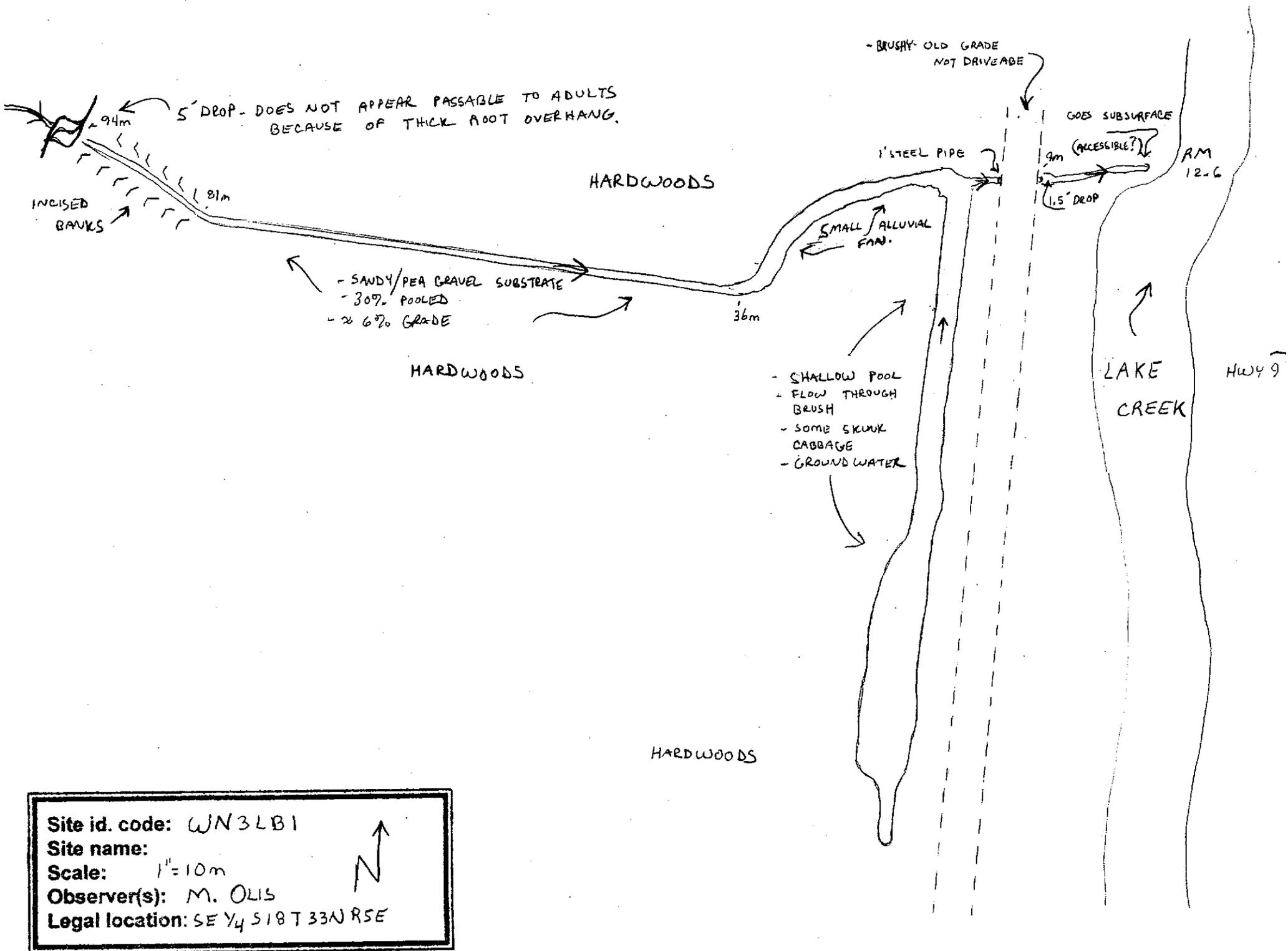
Project type:

Equipment access: It appears that this could be completed without heavy equipment.

ADDITIONAL COMMENTS: This site appears intermittent and may only flow 6 to 8 months out of the year. The survey ended at a 5' falls that had no plunge pool and a heavy root overhang.

#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References



Site id. code: WN3LBI

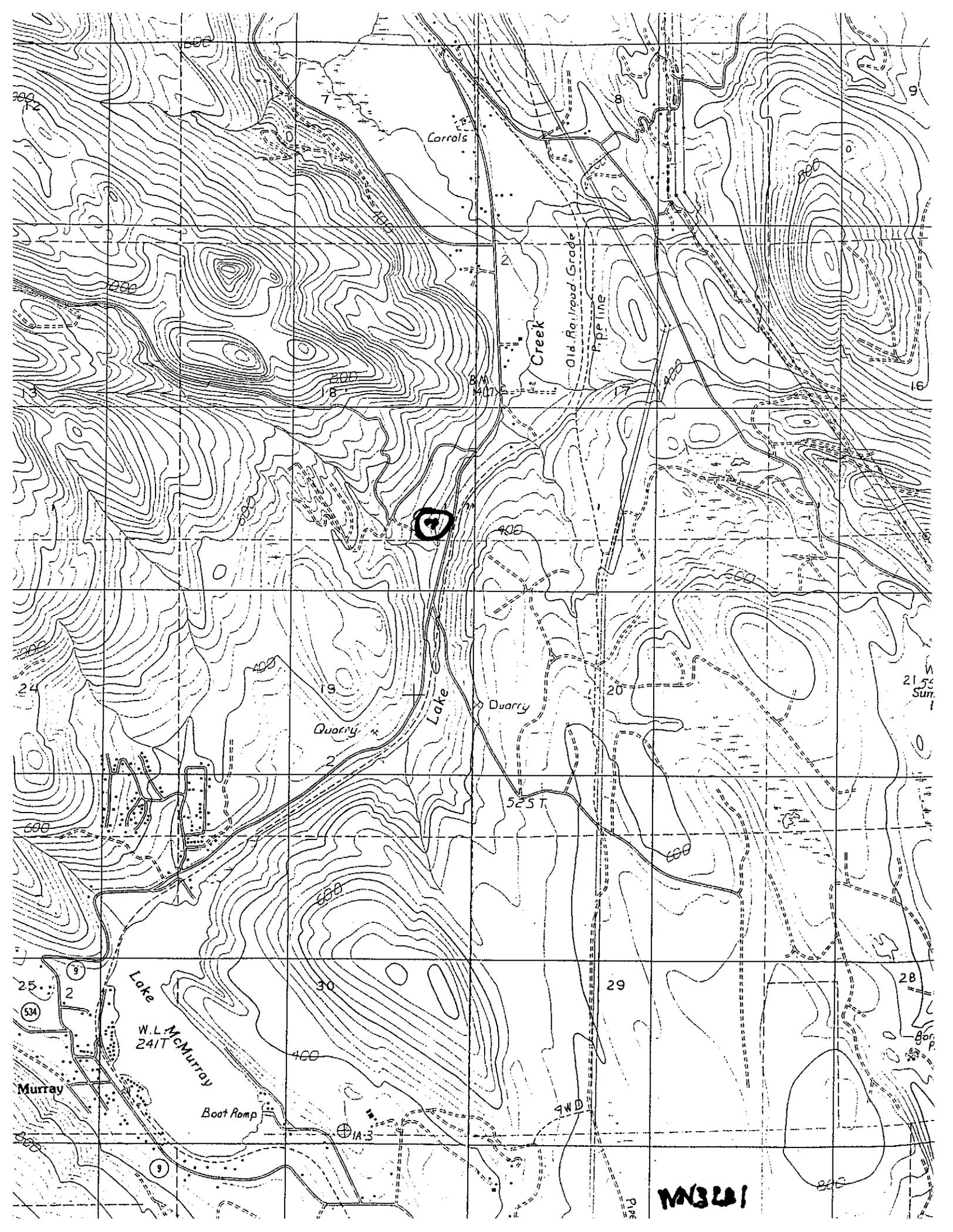
Site name:

Scale: 1" = 10m

Observer(s): M. OLIS

Legal location: SE 1/4 S18T33N R5E





Corrols

Creek

Old Railroad Grade

Pipe line

7

Lake

Quarry

Quarry

Lake

W.L. McMurray  
241T

Boat Ramp

Murray

MSLBI

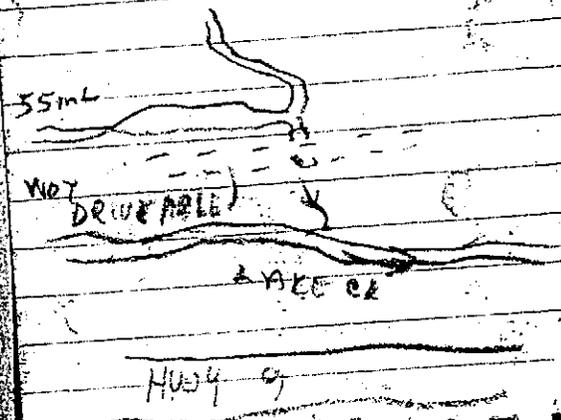
WN3LB1

RM 12.6

SE 1/4 S18 T33NR5E

12-14-98

H



0.5 miles below DEWING

O.D. ENTRY

Flow 0.2 CFS  
 WTR TEMP - 45°  
 R WTR TEMP - 43°  
 ACCESS - POOR

17 GROSS SUB SURFACE  
 3 FROM MAPPING  
 CAN'T SEE WHERE  
 IT COMES OUT

9m WLL 5m

• MOSTLY PIPE  
 • @ 1.2 SR PIPE

9m? ... 1.5 DROP

- W/ PLUNGE POOL

12m - UPSTREAM END  
OF CULVERT

@ FORKS

R FORKS - ABOVE GRADE

30m - WW 2m

49m - WW 5m

55m - WW 1m

- GNDWAT - SHALLOW

SK. CAB. GRASS

CONTINUE UP MAINSTEM

36m - WW 1.5m

WET - P GR. SUBSIE

- SHALLOW - M. POOL

- ALLUVIAL

81m WW 0.5m

- SANDY - P GR

- 30% POOLED

- 45% GRADE

94m - WW 0.5m

- INCISED BANKS

- @ 5" DEEP

- END OF SURVEY

DOES NOT LOOK PASSABLE

BECAUSE OF ROOT

OVER HANG & NO

REAL PLUNGE POOL

- OR CONTINUES

INTO BARE DRAIN,

45°

# COMMENTS

- NO SPAWN
- FAIR REAKING
- GROUNDWATER SURF  
- INT.
- LOW FLOOD
- ACCESS PROBLEMS  
W/ CULTURE AND  
SUBSURFACE FLOW
- NO FISH