

SITE INFORMATION

Site Identifier : WN3LB7 **Landowner Type :** Private
Site Name : **Landowner Name :**
WRIA : 03.0227X **Address :**
Region : NS **Address2 :**
Trib to : Lake McMurray **City :**
River Mile : 14.48 **State :**
River System : W. F. Nookachamps **Zipcode :**
Legal Description : NE1/4S25T33NR5E **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 left (north) on Hwy 9, go 0.7 miles to a culvert under Highway 9 and the site.

Area Overview :

This is an intermittent trib that provides 16 square meters of good spawning habitat and a small amount of fair over-winter rearing. The culvert under Highway 9 is over 1% sloped but there is only 300m of high gradient habitat above the pipe with only the initial 100m accessible to juveniles.

Field Survey Information

Date : 01/25/1999 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

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

Water Temperature(C): Lower end: 5.0
Upper end: 5.0

Receiving Water Temperature (C): 4.4

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1m **Ponds:** **Wetlands:**
Depths: Channel: 20cm **Ponds:** **Wetlands:**
Total length (includes ponds and wetlands): 588m

Total existing habitat area (est. m2): 588

Spawning area:	Mainstem: 16	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 572	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: It consist of 1" to 3" gravel, good brushy cover in places but little cover within the channel for predator avoidance.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The section from the lake to Highway 9 is approximately 30% pooled, has good brushy cover in places and a mostly gravel substrate. The first 100m above Highway 9 has some step pools as well as riffled habitat, and has little cover along the banks. At this point there is a 2' falls which looks like a barrier to juvenile salmonids and there is heavy brush from blackberries and small alders. Above this point is mostly riffles and cascades as the gradient increases. At 300m above Highway 9, the gradient is 20% and the survey was ended.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: This creek will have high flows of its own at times causing some bedload movement and bank erosion, but there was no other evidence of flooding found.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Site flows into Lake McMurray.

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

Describe: There were no juveniles or adults observed during the survey but this site can be accessed by both.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: A six inch trout was observed in the section below Highway 9.

ENHANCEMENT OPPORTUNITIES: The culvert under Highway 9 is over 1% sloped and could be replaced to facilitate better fish passage. However, there is approximately 300m of high gradient habitat above Highway 9 before it becomes 20% and over. Also, there is a 1' to 2' drop just downstream of the culvert under Highway 9 which makes juvenile access to the pipe suspect.

Project type:

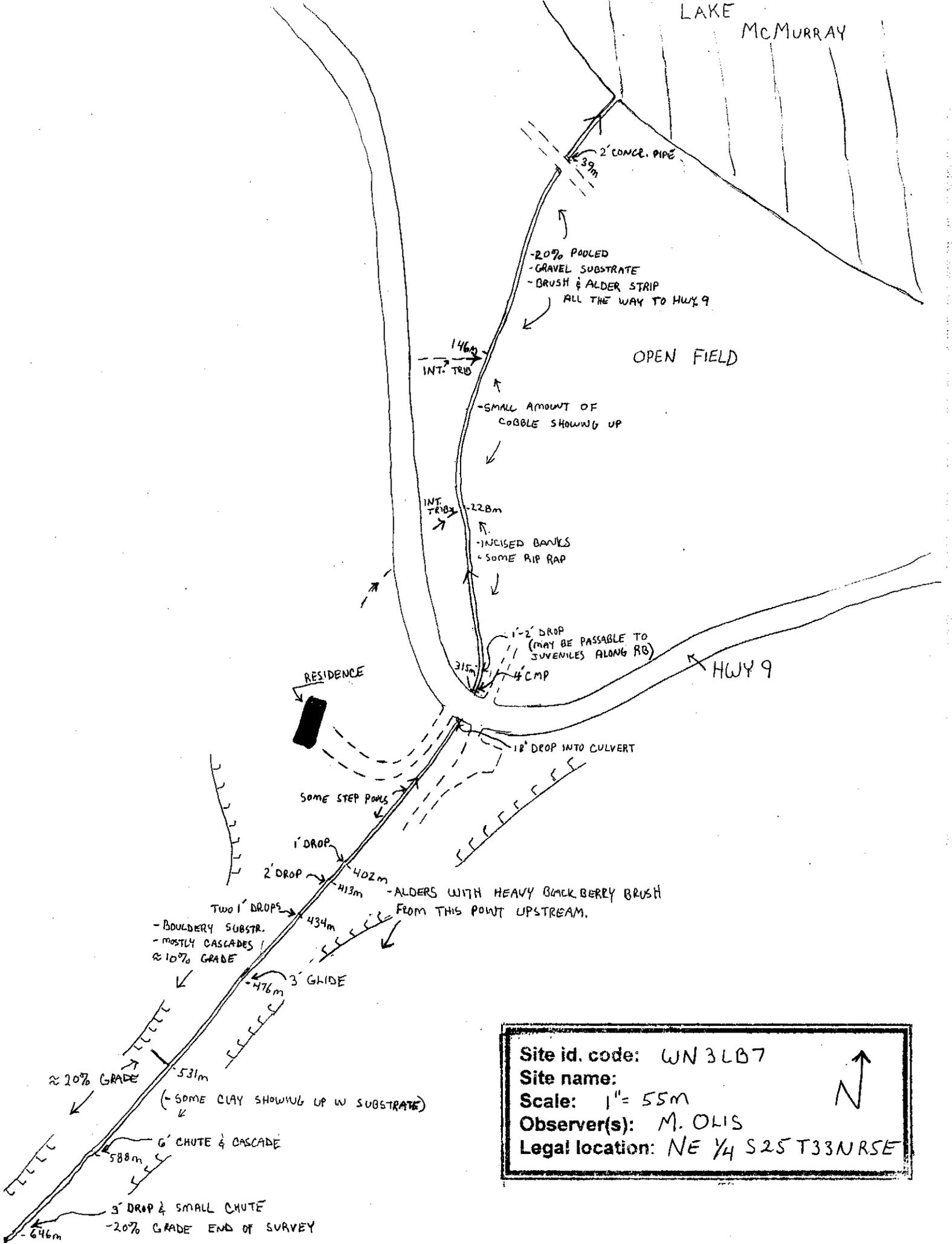
Equipment access:

ADDITIONAL COMMENTS: The landowner has observed trout spawning in this creek in the past (verbal communication with the landowner).

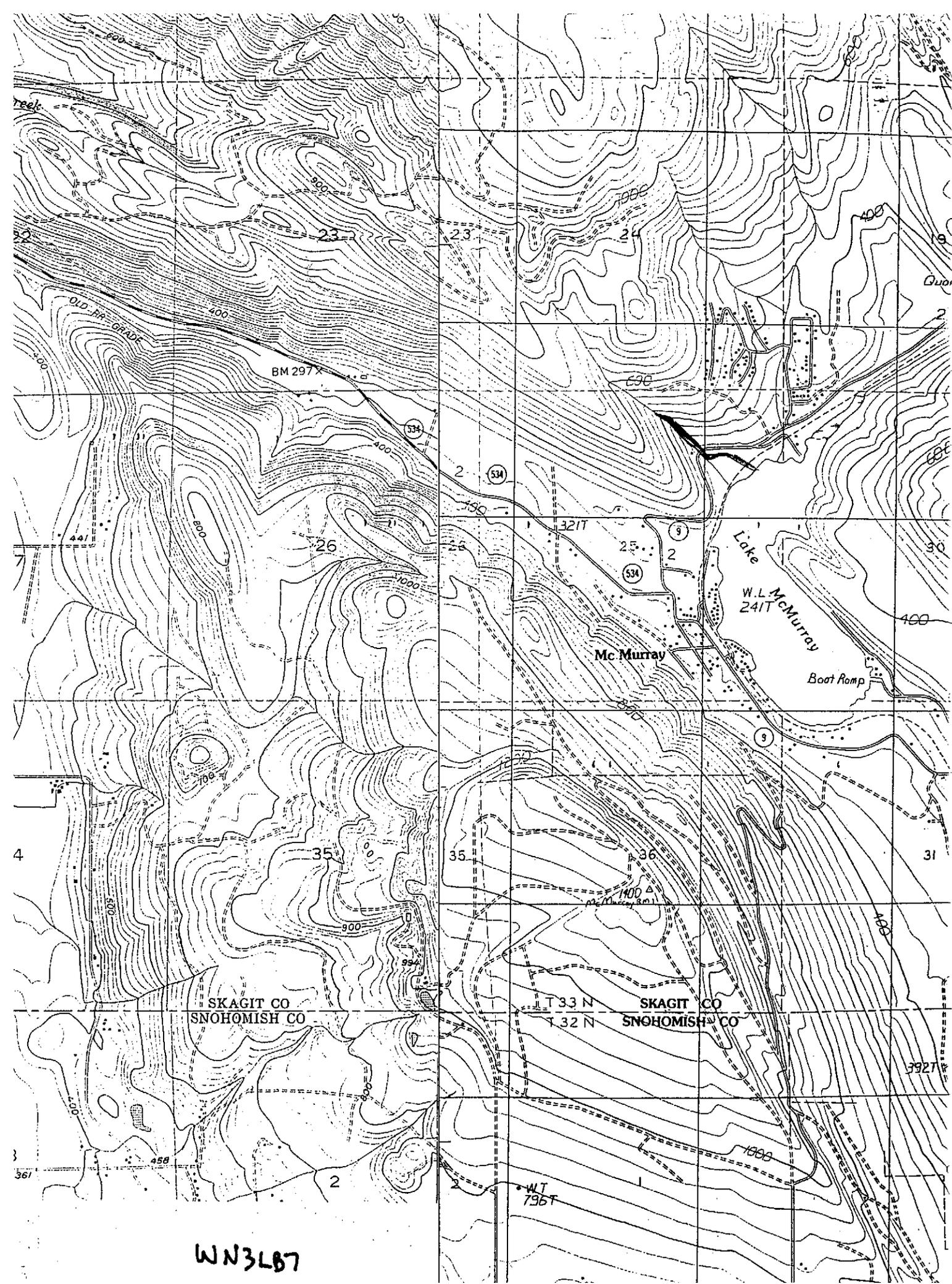
ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

LAKE McMURRAY



Site id. code: WN 3LB7	
Site name:	
Scale: 1" = 55m	
Observer(s): M. OLIS	
Legal location: NE 1/4 S25 T33R5E	

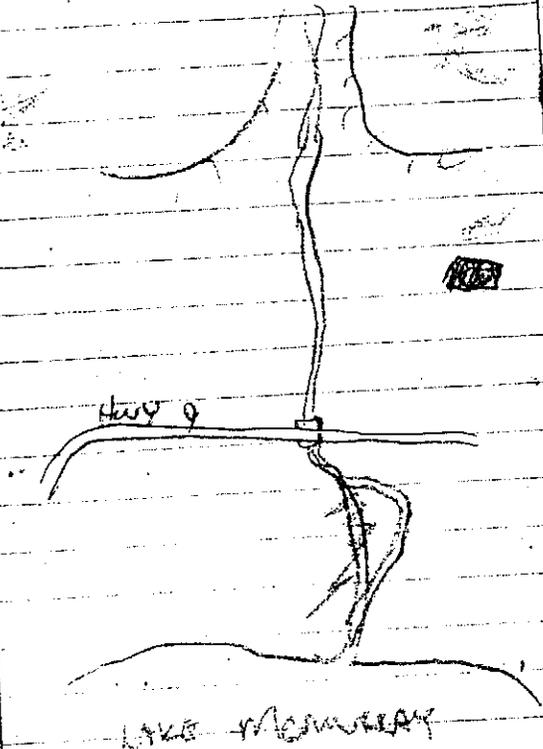


WN3LB7

BM 14.48

NE 1/4 S25 T33N R5E

1-25-99



LAKE MONTICELLY

0.0

FLOW. 0.4 CFS
WT TEMP - 41°
RWT - 40°
ACCRES - GOOD

39m WW 1M.

- 30% POOLED
- SOME ALDERS
- 2' CONC ROUND
- 4m² SP HAB.
- 1-3' GR.

LITTLE COVER FOR FISH

- ALDERS # LOUL BANKS

AND OWNER WANTS COPY OF
SURVEY PLUS WATER TYPE DEF.

48m UPPER END
OF PIPE.

146m WW 1m

- MOSTLY RIF
- 20% POOLED
- 8m² SP 14AB
- INT. TRB ON LB
- BRUSH & SM ALD
STRIP
- 6" TRAP SEEN

228m - WW 1m

- SOME COBBLE
SHOWING UP.
- RUN BELOW 1/2 PACE
TO HIGHWAY 9

- INT TRB ON LB.
- 4m² SP 14AB

315m WW 1m

- SOME BOULDERS
WEISED BANKS
- CARRY GLASS ALONG
BANKS
- 25% POOLED
- 2' DEEP BELOW
CONCRETE.
- @ 4' CMP & HWY
9
- 2' WIDE. 3" DEEP
COMING OUT THRU CULV
- 2% SLOPED ~
- APPEARS PASSABLE

- MAY BE DIFF.
FOR TUV.

402m WW 1m

- @ 1' FALLS

- A FEW STEP POOLS

- 20" DROP @ UPSTREAM
END OF CULVERT.

- SOMEWHAT OPENED
& LANDSCAPED ON
LB

413m WW 1m

- @ 2' FALLS ^{PROG.} ^{3' FALL} ^{JUV.}

- HEAVY BLACKBERRIES

434m - WW 1m

- @ A COUPLE OR
1' DROPS,

476m - WW 1m

- @ 3' GLIDE

- BOULDERY

- NO GOOD COVER

- MOSTLY CASCADE

- ~ 10% GRADE

531m - WW 1m

- MOST RIFF

OCCL. CASCADE

588m WW 1m

- MOSTLY CASCADE

588m - 100

- @ 6' CHUTE
AND CASE:

- APPARENTLY PASSABLE
~ 20% GRADE

646m - well 1m

- CASCADE & DUFF

- BEEN 20% FOR

LAST 100m. END
OF SURVEY @

- @ 3 DEEP & 5M.
CHUTE.

WTR TEMP 41° OYCE

- GOOD FROOT HAB.

COMMENTS

- Good SPRAWLING
HAB. FAIR AM of
COVER. MOSTLY

BELOW HIGHWAY 9.

- Good - FAIR PEARL

~ 25 ~ 35%

POOLED.

- 6" FROOT OBSERVED

- Low FLOOD.

- HIGH GRADIENT

NEAR HIGHWAY

9. Good CAUSE

BLACK BERRIES &

STRAWN BERRY,