

**SITE INFORMATION**

<b>Site Identifier :</b>	WN3LB10	<b>Landowner Type :</b>	Private
<b>Site Name :</b>		<b>Landowner Name :</b>	Archie Robertson
<b>WRIA :</b>	03.0227X	<b>Address :</b>	2242 Hwy 9
<b>Region :</b>	NS	<b>Address2 :</b>	
<b>Trib to :</b>	Lake McMurray	<b>City :</b>	Mt. Vernon
<b>River Mile :</b>	14.72	<b>State :</b>	WA
<b>River System :</b>	W. F. Nookachamps	<b>Zipcode :</b>	
<b>Legal Description :</b>	SE1/4S25T33NR5E	<b>Phone :</b>	360-445-4911
<b>County :</b>	Skagit		
<b>Habitat Type :</b>	terrace 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) and go 0.1 miles to Hull Rd. on the left. Turn left and go 0.1 miles (staying left at the bottom of the hill) to a small turnout. Hike to the north approximately 100m to the site.

**Area Overview :**

This is a small trib that flows into Lake McMurray and is 65% ditched out before it dumps into the lake. There is an abundance of watercress in the ditched out reach which provides some good over winter rearing that is accessible to both juvenile coho and trout.

**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: None  
Upper end: 0.1

**Water Temperature(C):**           Lower end: 5.0  
Upper end: 6.1

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

**Other Observations:**

**Site Area Measurements:**         Indirect             Direct             Combination  
Widths: Channel: 2m                    Ponds:                    Wetlands:  
Depths: Channel: 25cm                    Ponds:                    Wetlands:  
Total length (includes ponds and wetlands): 406m

<b>Total existing habitat area (est. m2):</b>	680			
<b>Spawning area:</b>	Mainstem:		<b>Tribs:</b>	<b>Total:</b>
<b>Impounded area:</b>	Mainstem:		<b>Tribs:</b>	<b>Total:</b>
<b>Other rearing area:</b>	Mainstem: 680		<b>Tribs:</b>	<b>Total:</b>

Unaccessible habitat: Mainstem: Tribes: 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 262m is a 2m wide ditch that is slow-moving and pooled. It has a muddy substrate with good amounts of watercress providing some structure. There is no cover however, as the banks are kept clean. Above this point the creek flows along the base of the slope and is shallow with a little more flow, gradient and brushy cover.

Describe unaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: There was no indication that this site gets flooded at all.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: Site enters into Lake McMurray allowing easy access. The first 13m of this site goes through a 2' concrete round pipe. This pipe is passable as the water is 8" deep through the pipe, barely flowing and there are no obstructions.

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

Describe: This site can be accessed by both juveniles and adults. There were no juveniles observed and no spawning habitat found.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site can also be accessed by trout and does provide a small amount of rearing for them.

ENHANCEMENT OPPORTUNITIES: If landowners are willing, planting some type of vegetation along the banks would provide some cover and shade along the ditched area.

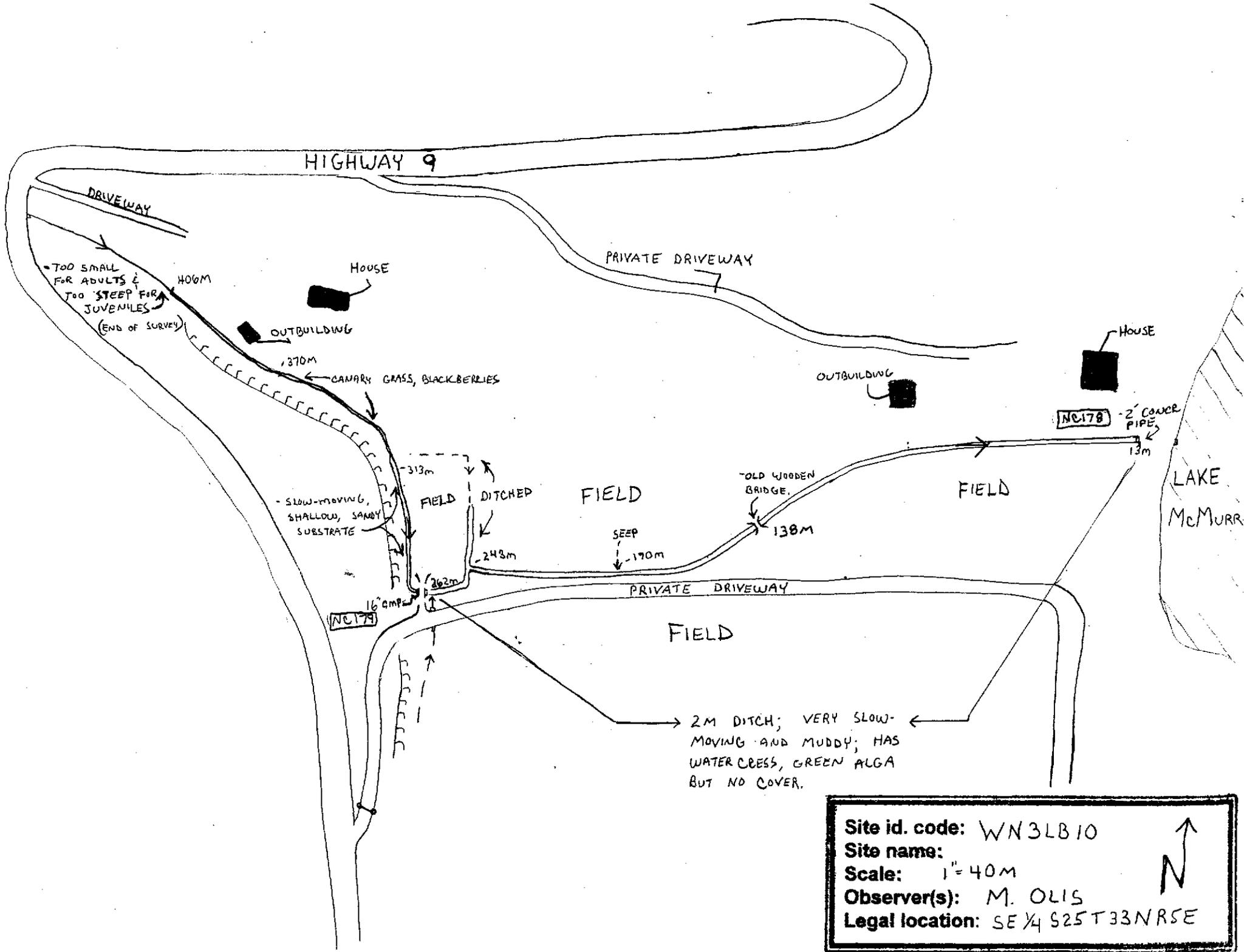
Project type:

Equipment access:

ADDITIONAL COMMENTS: The survey was ended short of Highway 9 as the stream appeared too small for adult use and too high gradient for juvenile access. However, the culvert under Highway 9 will be include in the DOT culvert inventory.

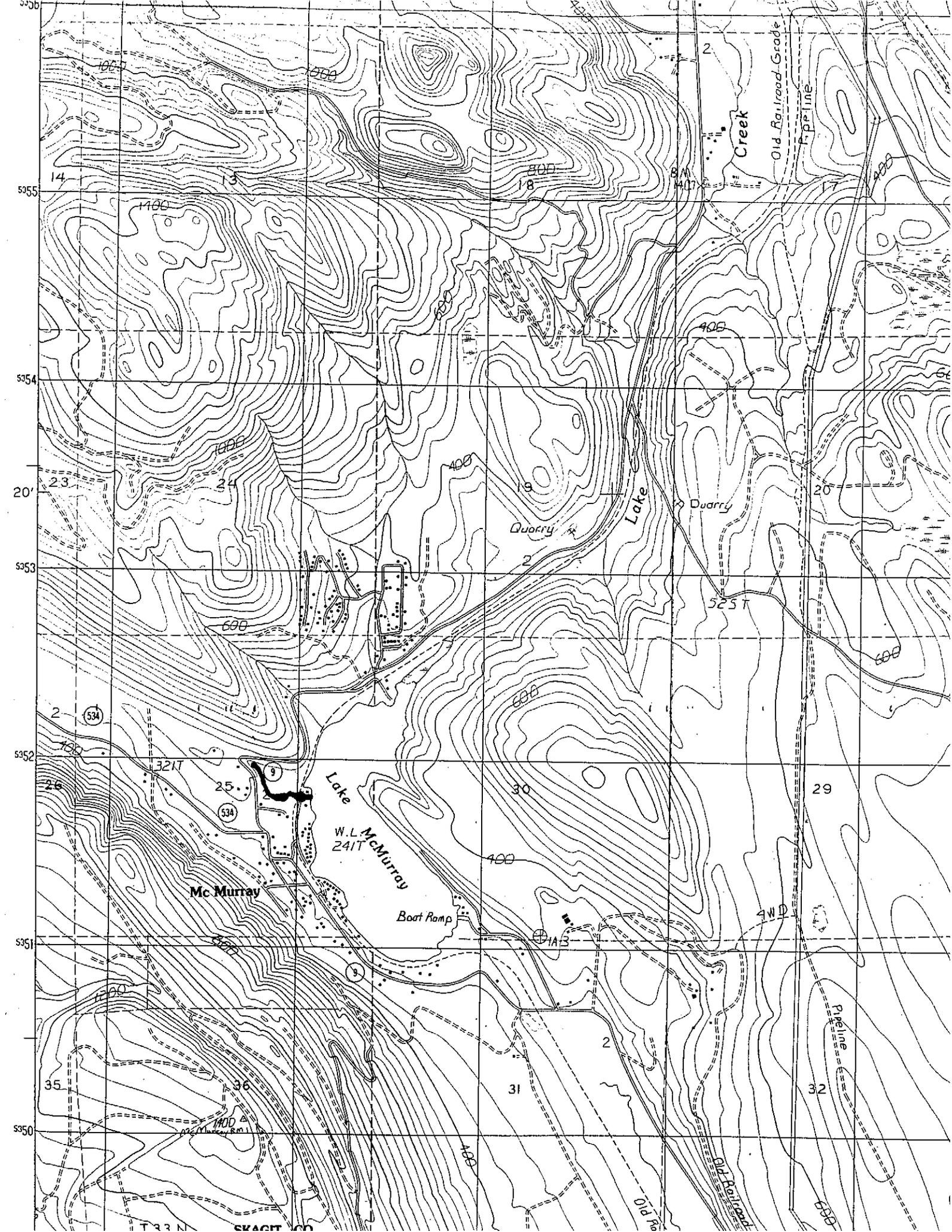
#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References



Site id. code: WN3LB10  
 Site name:  
 Scale: 1" = 40M  
 Observer(s): M. OLIS  
 Legal location: SE 1/4 S25 T33N R5E

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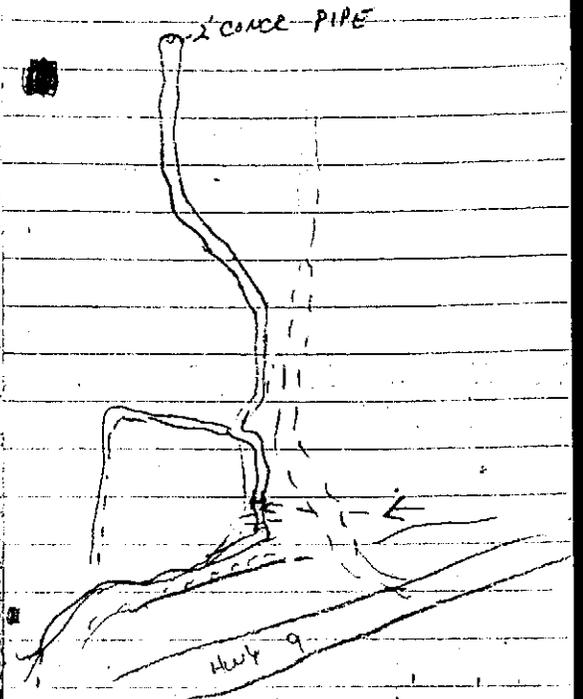
WN3LB10

RM 14.72

SE 1/4 S25 T33NR5E

(2-9-99)

Lake MEMPHIS



### O.O ENTRY

- NO FLOW
- W.T. -  $41^{\circ}$
- R.W.T. -  $40.5^{\circ}$
- ACCESS - GOOD W/O LAKE - CULVERT IS ACCESSIBLE

13m - ALL 2' CULVERT

138m W/O 2m POOL

- DIDN'T NOTICE FLOW UNTIL 100m -
- MUD BOTTOMED, WATER LESS AND GREEN ALGAE,
- @ AN OLD WOODEN BRIDGE

164m WW 2m

- @ DRIVEWAY

190m SEEP ON LB

243m WW 2m

- @ T INTERSECTION

- L FORK -

20m WW 2m

- DUG OUT DITCH - CIRCLED  
BACK TO MAINSTEM RF

262m WW 2m

- @ 16" CMP - FIELD ACCESS

313m WW 1m

- RUNS ALONG TOE OF HILL

- SLOW-MOVING - 3" DEEP -

- SILT & SAND SUBSTR.

370m WW 0.5

- 30% POOLED

- CAN. GRASS, BLACKBERRIES

5% GR

385 - 1m RIFF

OLD OUT BULOWG

- 5% GL

406m WW 0.5 END

- @ 1' DROP SURVEY

- LOW FLOW - STEEP FOR JUV.

423 WW 0.5m

- GRADE 80%

443m ww 0.3m

- 12% GRADE

- @ 1' CONC. ROUND

§ HWY 9

- LOOKS LIKE CREEK IS

TOO SMALL FOR ADULTS

AND TOO HIGH GRADE.

FOR JUV. @ THIS POINT

WITH TEMP 43°

- FLOW 0.1