SITE INFORMATION

Site Identifier :	WN3LB6	**Landowner Type :**	Private
Site Name :		**Landowner Name :**	
WRIA :	03.0227X	**Address :**	
Region :	NS	**Address2 :**	
Trib to :	Lake Cr	**City :**	
River Mile :	13.90	**State :**	
River System :	W. F. Nookachamps	**Zipcode :**	
Legal Description :	SW1/4S19T33NR5E	**Phone :**	
County :	Skagit		
Habitat Type :	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 left (north) on Hwy 9 and go 1.4 miles to McMurray Shores Drive on the right. Turn right and drive approximately 50' to the old railroad grade on the right. Hike down the grade approximately 50m to the site.

Area Overview :
This site is seperated from the mainstem by an old railroad grade and it appears to be all groundwater fed as well as intermittent. There is a 8" black flex pipe that runs under the railroad grade and connects this site to the mainstem. It is unclear is juveniles can pass through this pipe and access the excellent over-winter rearing that is available.

Field Survey Information

Date : 01/21/1999 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: ( ) Spring (X) Groundwater ( ) Surface runoff

Flow: (X) Intermittent( ) Year-round

Estimated Flows (cfs): Lower end: 0.1
Upper end: None

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

Receiving Water Temperature (C): 5.0

Other Observations:

Site Area Measurements: ( )Indirect (X) Direct ( ) Combination
Widths: Channel: 5m Ponds: Wetlands:
Depths: Channel: 0.5m Ponds: Wetlands:
Total length (includes ponds and wetlands): 316m

Total existing habitat area (est. m2): 2579

Spawning area:	Mainstem:	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 2579	Tribs:	Total:

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: (X) None ( ) Poor ( ) Fair ( ) Good ( ) Exellent

Describe spawning habitat:

Rearing habitat conditions: ( ) None ( ) Poor ( ) Fair ( ) Good (X) Exellent

Describe pond and other rearing habitat: This site is seperated from the mainstem by the old railroad grade. It has all pooled habitat that is very brushy. It has a very mucky substrate with some water parsley, milfoil and duckweed.

Describe unaccessible habitat:

Wetland type: ( ) Bog ( ) Marsh ( ) Scrub-shrub ( ) Forested

Describe:

Flooding potential: (X) Low ( ) Medium ( ) High

Describe: This site is well protected by the old railroad grade.

FISH INFORMATION

Site entry condition: ( ) Poor ( ) Fair (X) Good

Describe: There is a large pool present at the entry area.

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

Describe: Although there is some excellent rearing available, it is unclear if juveniles can access the site through the 8" black pipe that goes under the railroad grade. It does not appear passable to adults, but there is no spawning habitat available anyways.

Other species access and use: ( ) Chum ( ) Pink ( ) Sockeye ( ) Chinook (X) Trout

Describe: This site provides excellent habitat for trout, however it is unclear if trout can access this site either.

ENHANCEMENT OPPORTUNITIES: It could be beneficial to juveniles to replace the 8" pipe with a culvert that would promote better fish passage but also keep the site well wetted. There probably wouldn't be any flow in the summer months which would keep the site isolated from the mainstem until the rains come.

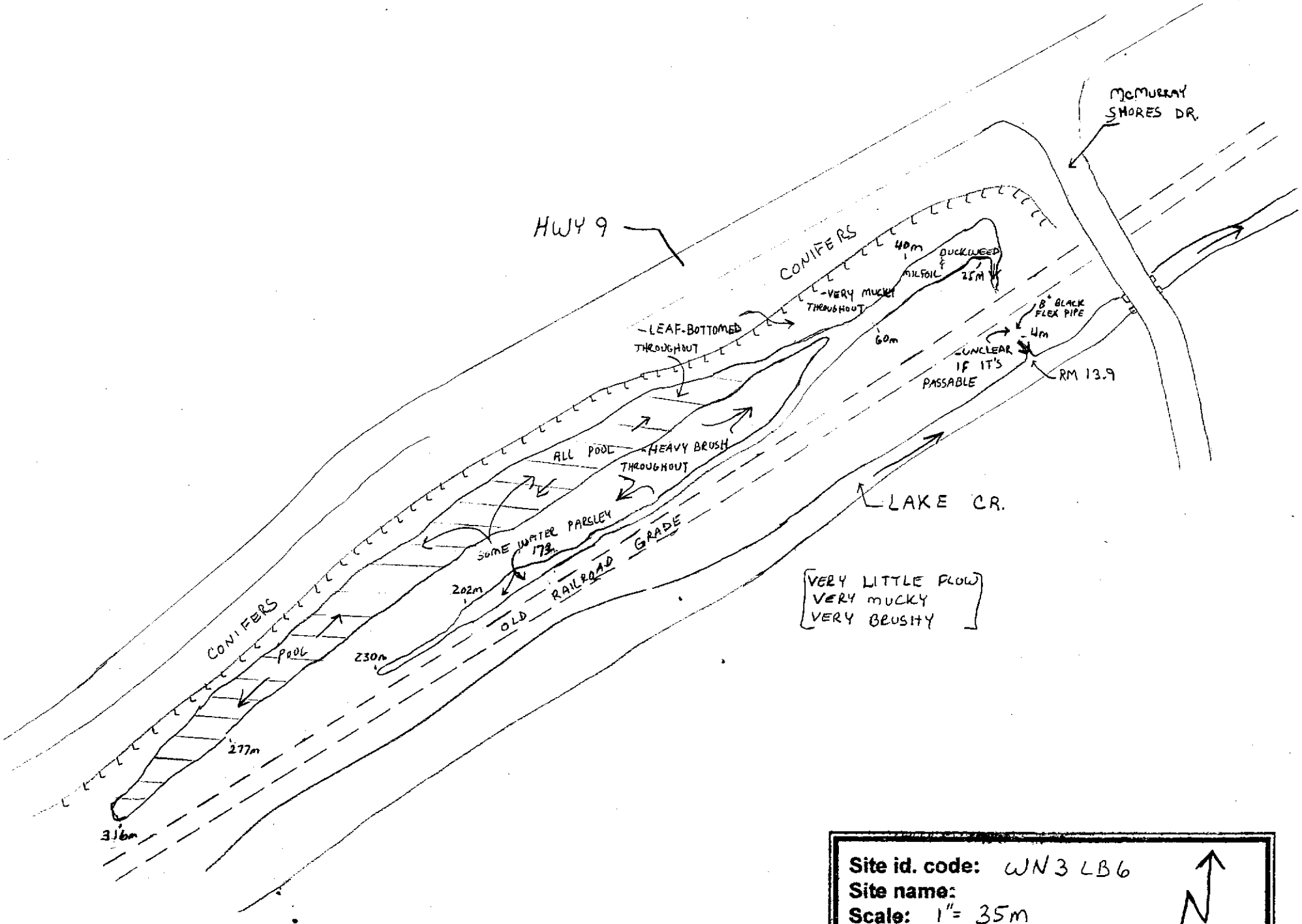
Project type:

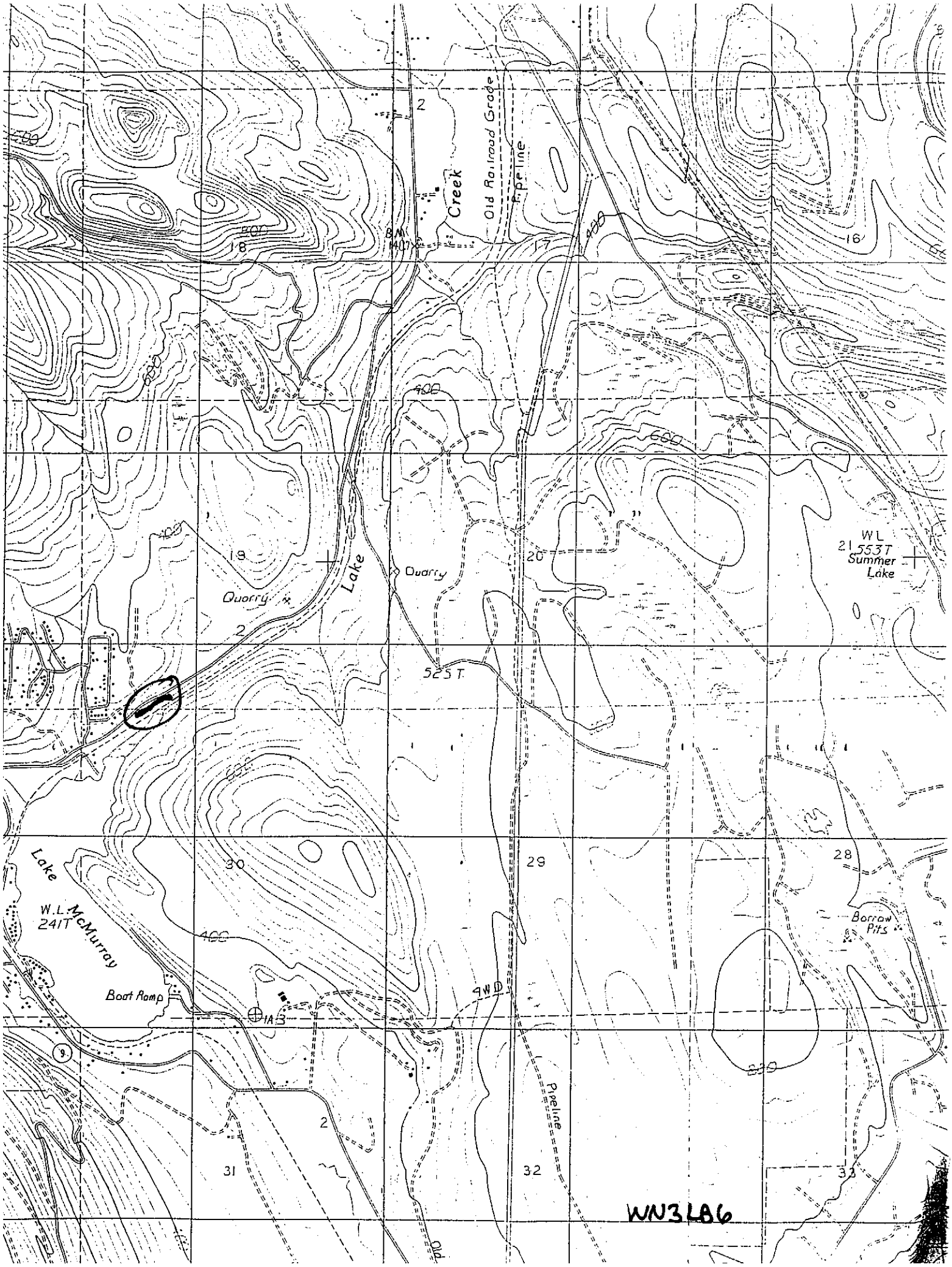
Equipment access:

ADDITIONAL COMMENTS: This survey was done when the lake level was very high. This sites availability may be tied to the water level in the lake. It appeared that the water source was all groundwater as there were no inlets found.

ATTACHMENTS AVAILABLE

(X) Aerials (X) Sketch (X) Maps ( ) Spawning Surveys ( ) Juvenile Trapping
( ) Other References


McMURRAY SHORES DR.
HWY 9
CONIFERS
40m
DUCKWEED & MILFOIL
25M
-VERY MUCKY THROUGHOUT
8" BLACK FLEX PIPE
-LEAF-BOTTOMED THROUGHOUT
60m
4m
UNCLEAR IF IT'S PASSABLE
RM 13.9
ALL POOL
HEAVY BRUSH THROUGHOUT
LAKE CR.
SOME WATER PARSLEY 173
202m
OLD RAILROAD GRADE
VERY LITTLE FLOW
VERY MUCKY
VERY BRUSHY
CONIFERS
POOL
230m
277m
316m
Site id. code: WN3 LB6
Site name:
Scale: 1" = 35m
Observer(s): M. OLIS
Legal location: SW 1/4 S19 T33N R5E
N



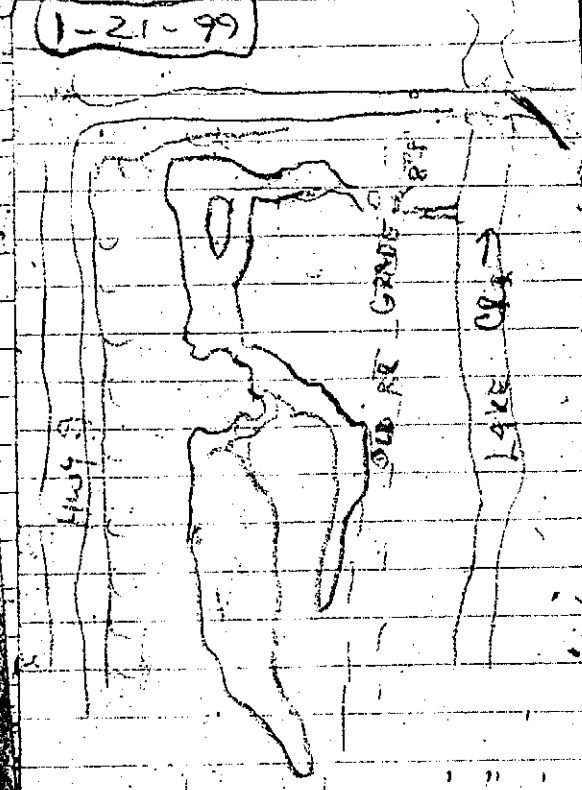
Creek
Old Railroad Grade
Pipeline
BM 1407
Lake
Quarry
Quarry
525 T
WL 553T
Summer Lake
Lake McMurray
W.L. 241T
Boat Ramp
1A3
4WD
Pipeline
Borrow Pits
WN3LB6

WN3 LB6

RM 13.9

SW 1/4 S19 T33N R5E

1-21-99



0.0: ENTRY
FLOW - 0.1
WT - 43°
RWT - 41°
ACCESS - POOL

4m WW 1m
- POOL
- @ 8" BL. FLOW
PIPE. GOES UNDER
GRADE.
- UNCLEAR IF ITS
ACCESSIBLE.

17m - UPSTREAM
END OF PIPE.
BROWN ALGA

25m WW 1.5 m
~~[illegible]~~ - VERY
MUCKY & BRUSH
PROB THRU - SITE
44m WW 8m
- FELL INTO MUCK
- MIRFOIL, DUCK
[illegible]
LEAF BOTTOMED
60m 5mW

173m WW 2m
- CH. ALONG RR
GR.
- FILLED W/ LEAV
AND BRUSH
- VERY MUCKY

- LOOKS LIKE
STANDING WTR.
- VERY LITTLE
FLOW NO FLOW

202m WW 5m
- A FEW PATCHES
OF WTR PARSLEY

230m WW 2m
~~OUT~~ RUNNING
OUT OF WTR
ALONG GRADE
OUT 10mW
[illegible] ON OTHER
[illegible] (FROM 150m)

227m 10 m

316m WW TAPERS TO 4m

- END OF WTR
- TEMP 43°

COMMENTS

- NO SPAWN
- LOW FLOOD
- UNCLEAR IF SITE IS ACCESSIBLE THRU TO SUV, THRU

8" PIPE UNDER GRADE
- APPEARS GRND WATER
- NO FISH SEEN
- WETTED YEAR ROUND BUT PROB BOUNCES DISCONNECTED.
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