SITE INFORMATION

Site Identifier : WN3LB9
Site Name :
WRIA : 03.0227X
Region : NS
Trib to : Lake McMurray
River Mile : 15.30
River System : W. F. Nookachamps
Legal Description : NW1/4S31T33NR5E
County : Skagit
Habitat Type : lower valley wall tributary

Landowner Type : Private
Landowner Name :
Address :
Address2 :
City :
State :
Zipcode :
Phone :

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 0.85 miles to a culvert and the site.

Area Overview :
This is an intermittent trib that appears to be both groundwater and surface fed. Two of the five culverts it flows through are barriers, making 4095 square meters of good over winter rearing habitat unaccessible.

Field Survey Information

Date : 02/08/1999 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

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

Flow: (X) Intermittent( ) Year-round

Estimated Flows (cfs): Lower end: 0.25
Upper end: None

Water Temperature(C): Lower end: 4.4
Upper end: 4.7

Receiving Water Temperature (C): 3.3

Other Observations:

Site Area Measurements: ( )Indirect (X) Direct ( ) Combination
Widths: Channel: 1.5m Ponds: 20m Wetlands:
Depths: Channel: 12cm Ponds: 1m Wetlands:
Total length (includes ponds and wetlands): 671m

Total existing habitat area (est. m2): 4345

Spawning area:	Mainstem: 6	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 244	Tribs:	Total:
Unaccessible habitat:	Mainstem: 4095	Tribs:	Total:

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

Describe spawning habitat: From the 60m point to 136m there is approximately 6 square meters of spawning habitat. The gravel size ranges from 1" to 4", it is mostly riffled habitat and on the day of the survey, the water depth appeared marginal for adult spawners.

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

Decribe other rearing habitat: The initial 37m is a 3' culvert that goes under a lake front lawn. It appears passable as it lays flat and has 10" of water in it. Just above this culvert is a 10m by 12m pool that seems to be a small settling area that gets cleaned out periodically. Above this pool to the 136m point, the creek flows through a small wooded patch, is mostly riffled and has a gravel substrate.

Describe unaccessible habitat: Above Highway 9, the first 60m is mostly riffled with a small amount of brushy cover as the creek flows by a house on the right bank. From 256m to 353m it is 50% pooled with good brushy cover as the creek flows through a mixed forest at this point. Then the creek spreads out, becomes shallow with a mucky substrate and good amounts of water parsley is present. At 476m there is a 16" concrete pipe going under an old logging road. Above this pipe is a small ponded area that is at first in the open, then extends back into brush and small trees. There is evidence of old beaver activity.

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

Describe:

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

Describe: There was no indication that this site floods.

FISH INFORMATION

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

Describe: The stream flows through a 3' culvert that is 37m long as it enters into the lake. The culvert looks passable as there appears to be streambed material through the pipe.

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

Describe: The initial 136m of this site appears accessible to both juveniles and adults. There was a depression in the gravel that looked like an old redd but it was not clear. No juveniles were observed. Fish would not be able to pass through the culvert under Highway 9 and access the habitat above.

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

Describe: Trout can also access the initial 136m of the site for a limited amount of rearing and spawning.

ENHANCEMENT OPPORTUNITIES: Culvert replacement.

Project type:

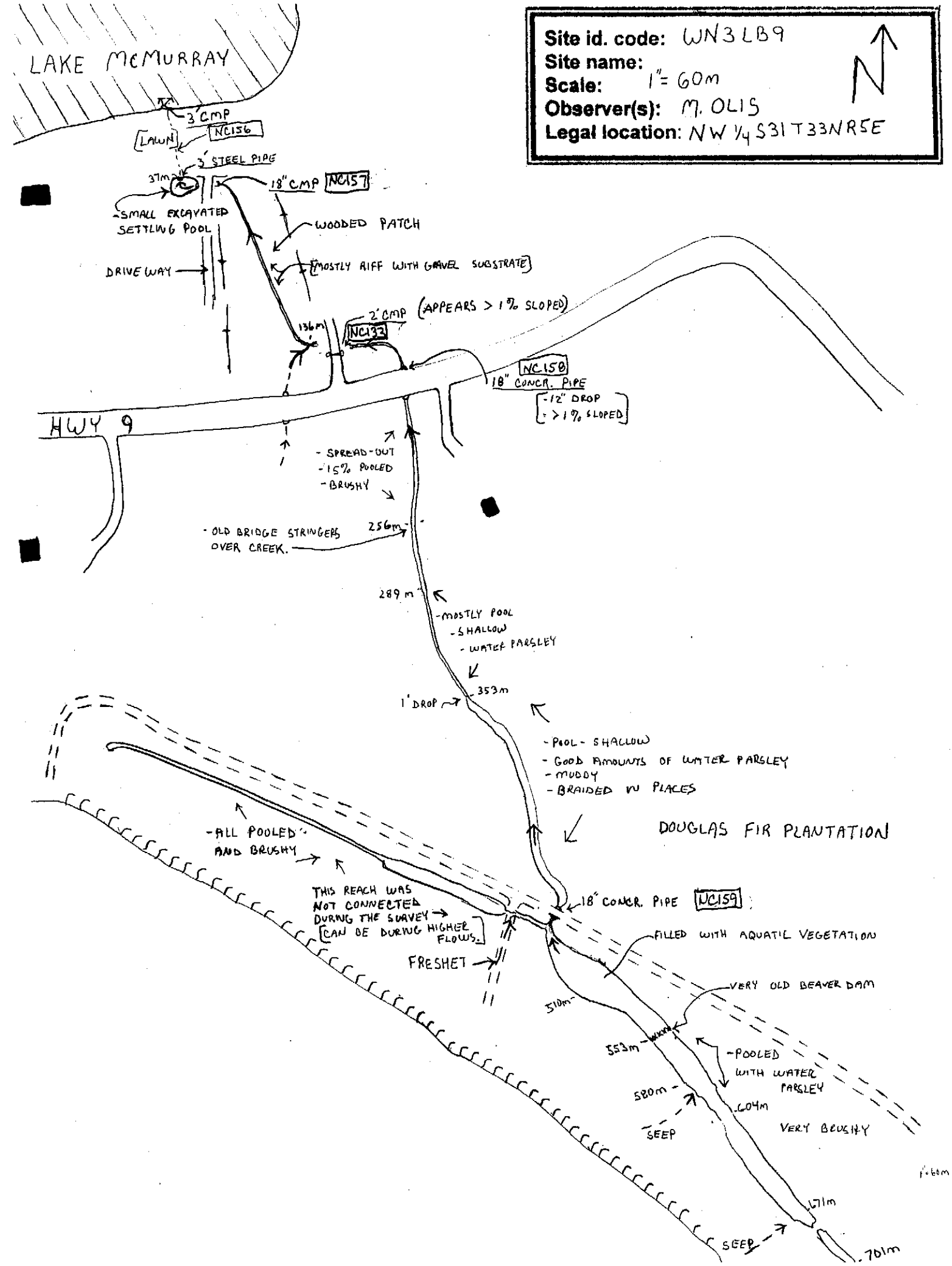
Equipment access: Accessible by road.

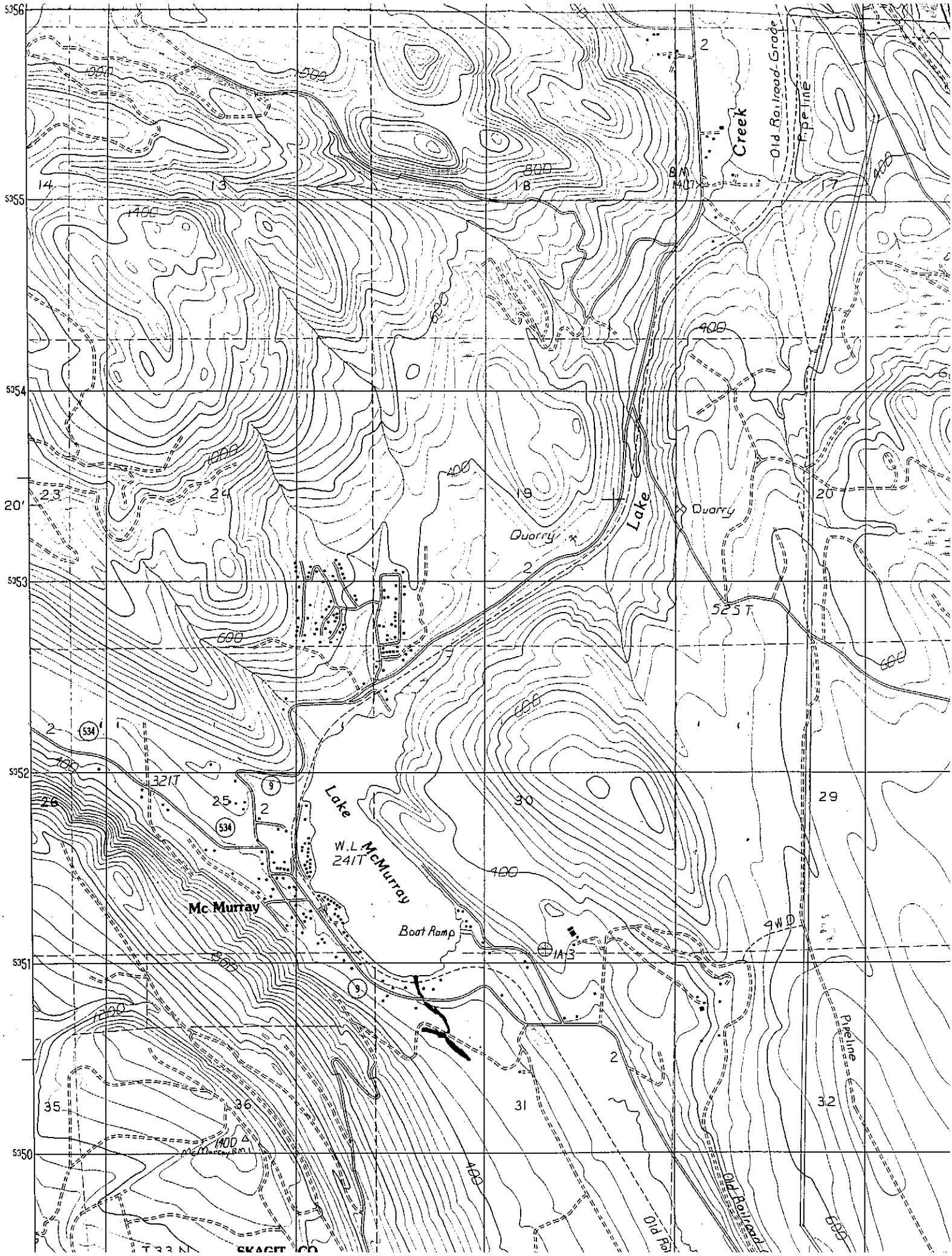
ADDITIONAL COMMENTS: Above the 136m point are two culverts that are barriers. The first one goes under a driveway and is over 1% sloped. The second one goes under Highway 9, has a 1' drop and is over 1% sloped. Both culverts will be added to the culvert inventory.

ATTACHMENTS AVAILABLE

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

Site id. code: WN3LB9
Site name:
Scale: 1" = 60m
Observer(s): M. OLIS
Legal location: NW ¼ S31 T33N R5E





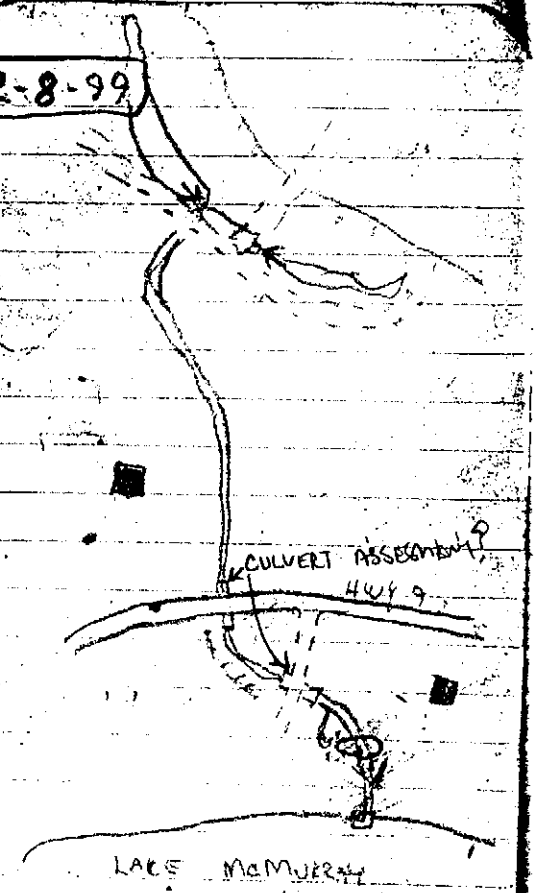
Creek
Old Railroad Grade
Pipeline
Lake
Quarry
Quarry
525 T
Lake
W.L. McMurray
241T
Mc Murray
Boat Ramp
321T
4WD
Pipeline
Old Railroad
SKAGIT CO

WN3 LB 9

RM 15.3

NW 1/4 S31 T33N R5E

2-8-99



0.0 ENTRY
FLOW - 0.25 CFS
W.T. - 40°
RWT. - 38°
ACCESS - INTO LAKE

37m ALL 3' CULVERT UNDER LAWN
- 3' CMP DOWNSTR.
- 3' ST. ROUND UPSTR.
- SAND BAGS IN UPSTR. END OF CULV.
- MATERIAL THRU PIPE
49m WW 10 m POOL EXC.? 1m DEEP IN PLACES

4095

19m WATER CROSS
SAND & GR., SETTLING P.
- @ 18" CULVERT CMP

60m UPSTR END
OF CULVERT DRAIN
INTO CULVERT
136m WW 1m
MOSTLY RIFF - FAIR
BLUGH - 6m² SP. HAB -
1"-4" GR., SHALLOW
THROUGH. @ 2' CMP
SOME - SLOPE - NO DROP - GOES
UNDER DRIVEWAY
GRAVEL SUBSTR.
TRIB ON LB.

176m WW 1m
- MOSTLY RIFF - COBBLE
- @ 18" CONC. PIPE -
12" DROP - 7-1% SLOPE
W/ 2m x 2m PLUNGE
POOL

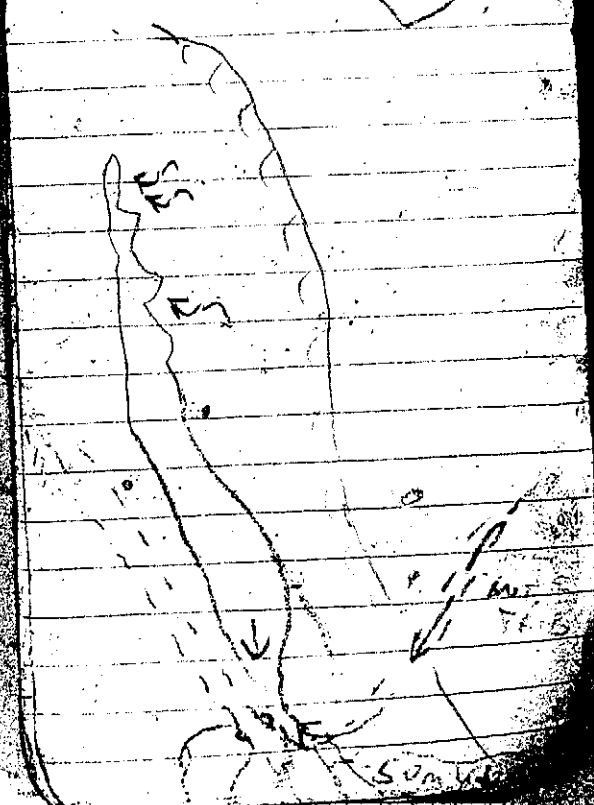
196m UPSTR END OF CULV.
TRICKLE ON RB

256m WW 1.5m
- SPREAD OUT IN PLACES
- 15% POOLED - COBBLE
GOOD BRUSH -
ADJ. TO HOUSE

256m OLD STRINGER
CR. PARELLEL (CLGR)
289m, WW 2m
60% POOL. - SM. AM
WTR PARS. - 15 OMC
BAND & GR.
353m WW 1m
50% POOLED - MIXED
FOREST - GOOD BRUSH
@ 1' DROP PASS.

476m WW 5m
POOL - SLOW MOVING -
BRAIDED IN FEW PLACES.
MUD BOTTOMED & LOTS
OF WTR PARSLEY

0.8m FROM 534



476m @ 18" CONCR PIPE
3/4 SUBMERGED IN SUBSTR.
- LOOKS PASSABLE - INT TRIB
ON LB COMES DOWN OLD
GRADE - FRESHET
510m WW 20m
- SMALL POND W/ AQUATIC
VEG.
55m WW 10m @ [illegible]
AVR DAM - LOTS OF W.F. PARS

580m WW 10m
CAN. GR. BRUSHY POOL
604m WW 6m POOL
691m WW 8m - LOTS
OF STAND. WT @ UPPER
END OF DEPRESSION

706m WW 4m
(DISCONNECTED ST. WTR)
- 670m 2 .5m [illegible]
WTR TEMP. 40.5°
- 590m SEED LB
- COMMENTS
- GRND WATER SURFACE
- EXC. BEARING @
UPPER END LOW FLOOD.
- SEVERAL CULVERTS
- PROB. DISC. FROM LAKE
IN LATE SUMMER
- FAIR SP BELOW
- MAY BE ON PILCHUCK
TREE FARM LAND.
- LOOKS LIKE SOME THWN