

**SITE INFORMATION**

**Site Identifier :** WN3LB8 **Landowner Type :** Private  
**Site Name :** **Landowner Name :**  
**WRIA :** 03.0227X **Address :**  
**Region :** NS **Address2 :**  
**Trib to :** Lake McMurray **City :**  
**River Mile :** 14.80 **State :**  
**River System :** W. F. Nookachamps **Zipcode :**  
**Legal Description :** SE1/4S25T33NR5E **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 50 meters to a culvert and the site.

**Area Overview :**

This trib runs year round and is 1.1 miles long. It provides some good rearing and a small amount of spawning habitat as it flows through several private properties. It does have good coho salmon use.

**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: 1.5  
Upper end: 0.1

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

**Receiving Water Temperature (C):** 4.4

**Other Observations:**

**Site Area Measurements:**  Indirect  Direct  Combination

**Widths:** Channel: 1.5m **Ponds:** **Wetlands:**

**Depths:** Channel: 25cm **Ponds:** **Wetlands:**

**Total length (includes ponds and wetlands):** 2130m

**Total existing habitat area (est. m2):** 5422

**Spawning area:** Mainstem: 12 **Tribs:** **Total:**

**Impounded area:** Mainstem: **Tribs:** **Total:**

**Other rearing area:** Mainstem: 5410 **Tribs:** **Total:**

**Unaccessible habitat:** Mainstem: **Tribs:** **Total:**

**Spawning habitat conditions:**  None  Poor  Fair  Good  Excellent

Describe spawning habitat: There were several patches of gravel that were found within the lower 650m of the site. The gravel size ranged from 1" to 3", there was good cover and water depth. However, there seemed to be a fair amount of silt present in the substrate.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: This site can be broken down into four reaches. The first reach is from the mouth to the culvert at 836m. It flows by several homes and is approximately 35% pooled, has heavy brush in places and a mostly silty substrate. From 836m to 1208m this creek has a very muddy substrate, becomes braided and spread out with water parsley and water cress in places. From 1208 to 1988 the creek is ditched through fields and pastures. It has a very mucky substrate with canary grass and a brushy strip along the banks, and very little flow. The fourth reach is a trib that connects on the right bank at 169m. The first 40m of this trib is slow-moving, shallow and has a mucky substrate. It then opens into a 25m by 8m very shallow swamp. The creek appears to go subsurface above this with very little surface flow. It appears that juveniles would be unable to pass through to the channeled creek above. The channeled creek above is 0.5m wide, mostly riff and is 8% grade as it flows by several homes before getting too steep.

Describe inaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: There was little evidence of flooding found at this site.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: This stream flows into Lake McMurray allowing easy access.

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

Describe: Although there were no adults observed, there were two gravel patches that had what looked like redds in them. A section of this stream was electroshocked by Brett Barkdull who discovered good numbers of coho juveniles.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: No trout were observed during the survey but site does provide good trout habitat and is accessible to them.

ENHANCEMENT OPPORTUNITIES: There is a 3'cmp that is 10' long at 235m, where an old grade used to be and it has no fill over it. The culvert is passable but since it serves no apparent use, it might as well be removed.

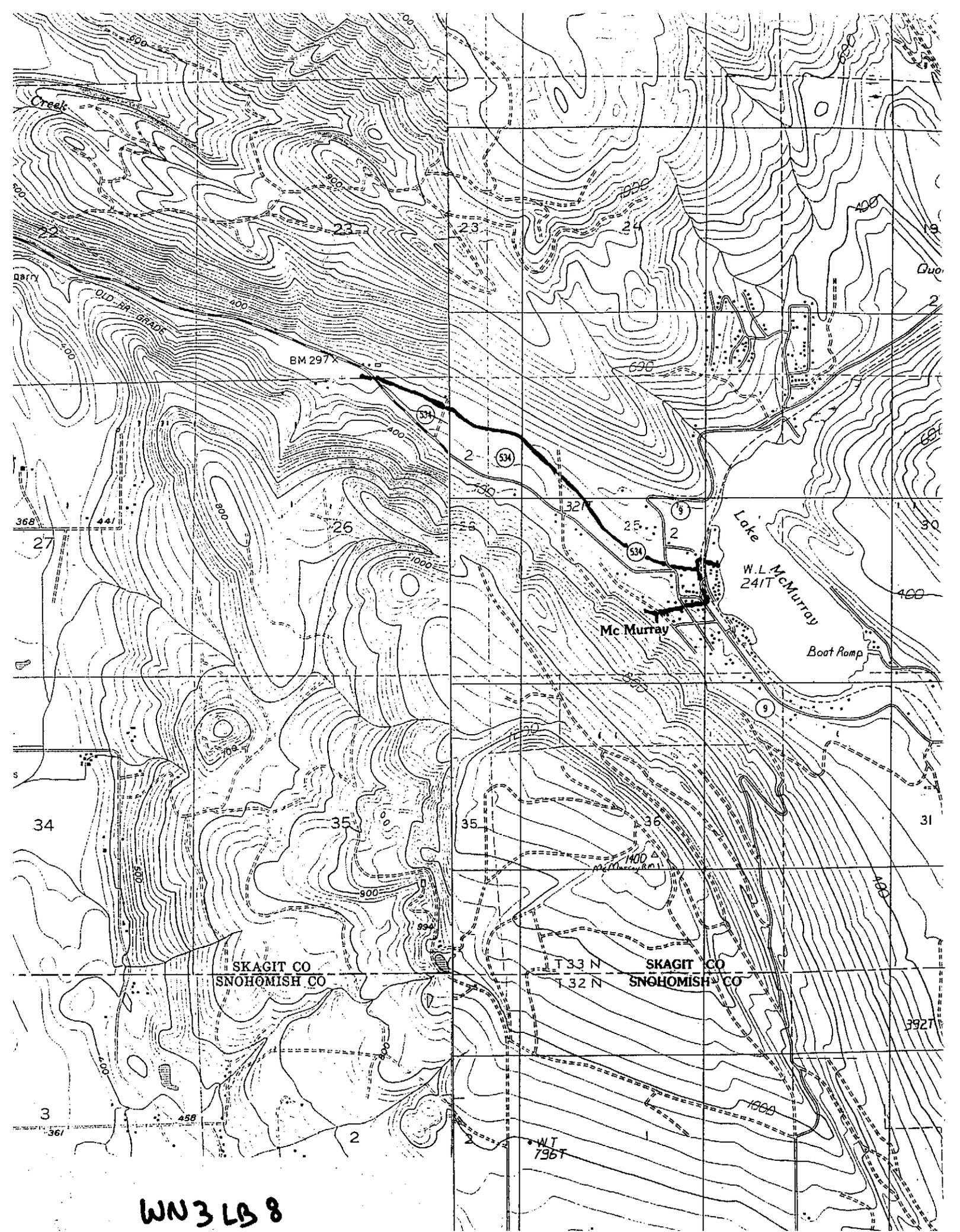
Project type:

Equipment access:

ADDITIONAL COMMENTS: At 87m is a 3' concrete round pipe that is passable. At 97m are twin 2' concrete round pipes that go underneath the old railroad grade and are passable. At 363m is a 3' concrete round pipe that is already in the culvert inventory. At 836m is a 2' cst that is okay. At 1556' is a 3' concrete round pipe that is okay. At 1900m is a 2' concrete round that the water flows underneath with only 80m of habitat above it. The trib at 169m has four culverts on it but there does not appear to be any fish passage to these culverts.

ATTACHMENTS AVAILABLE



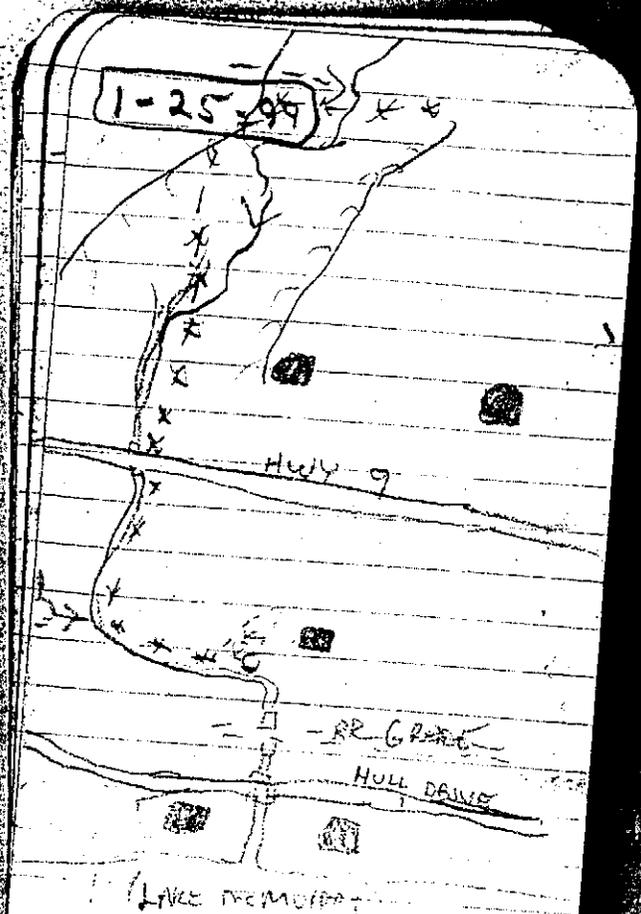


WN3 LB 8

WN3L38

RM 14.8

SE 1/4 S25T33N R5E



0-0  
FLOW - 1.5 CFS  
WT - 41°  
RWT - 40°  
ACCESS - GOOD

COMMENT: SECTION OF FIELD:  
NOT 200m ABOVE & BELOW

29m WW 2m  
- POOL - SLOW - MOUND  
- SILTY SUBSTR.  
- FULL OF WTL GRASS.  
- LASCAPNE on LB  
- OPEN.

87m WW 2m  
- WW 2m @ 3' CONC  
R. PIPE & PAVED RD.  
- SOME WTL GRASS

87m 30% RIFF

- SOME RIP RAP ON BOTH BANKS
- DITCH near edge ON RB.

95m

- UPSTREAM END OF CULVERT.

97m TWO 2' COVE ROUND PIPES UNDER RAILROAD GAZE

114m UPPER END OF TWO CULV.

125m WW 2m

- MOSTLY slow moving
- TRICKLE ON LB
- COMES FROM PARTIALLY WEATHERED SHALLOW SWALE 75m LONG AND IN A FIELD NEXT TO A HOUSE
- RUSH
- LOOKS TO SUIT FOR FISH HAB.

169m WW 1.5m

- 50% POOLED
- SM. AMOUNT OF 1/2" GRAVEL IN SUB.
- MOSTLY MUD.

169m. ~~169m~~

DOG LEG RIGHT, TURN  
AROUND PROE COVER

TRIB ON RB

GONG UP TRIB

OILS

TRIB

11m ww 1m

SLOW-MOVING BERRY

- MUDS LEAF BOTTOMED

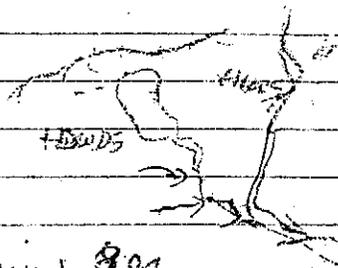
- TRICKLE ON RB

17m ww 1m

- TRICKLE ON RB

10m ww 1m

- VERY SHALLOW &  
MUCKY



62m ww 8m

- SHALLOW, MUCKY

SWAMPY, SLACK CABB.

WATER PARLEY

LEAF BOTTOMED

- THE TRIB DOES  
CHANNEL UP ON THE  
OTHER SIDE OF THE  
SWAMPY AREA BUT IT  
DOESN'T LOOK PASSABLE

149 318  
TO JUVENILES  
+ BACK ON MAINSTEM. \*

235m W/W 2m  
- SLOW MOVING POOL  
- BRUSHY 2m<sup>2</sup> SP. HAB  
- 2-4"

COVER PLANT BANK  
- @ 3' CAMP 10' LONG  
- NO FILL OVER IT  
- NEEDS TO BE  
REMOVED.

318 W/W 3m  
- SPREAD OUT.  
- SILTY BOTTOM  
- VERY BRUSHY

348m W/W 3m  
- @ SMALL SILTY  
DEPOSITION AREA

373m W/W 2.5m  
- @ 3' ROUND  
COVER PIPE (PASSABLE)  
- 2m<sup>2</sup> HAB.

1-26-99 REZEALD ON  
CULVERT

25m W/W 1.5m  
- INT. TRIB ON RR  
- 3m<sup>2</sup> SP. HAB  
- 1 PASS. REDD.  
- TRIB IS ALL RIFF.

... E CROSSES HIGHWAY  
538. 5m wide

55m ww 1.5m  
- @ FENCELINE

136m ww 1.5  
- 40% POOLED  
- ALONG TREE WALL  
ON RB  
- 1m<sup>2</sup>

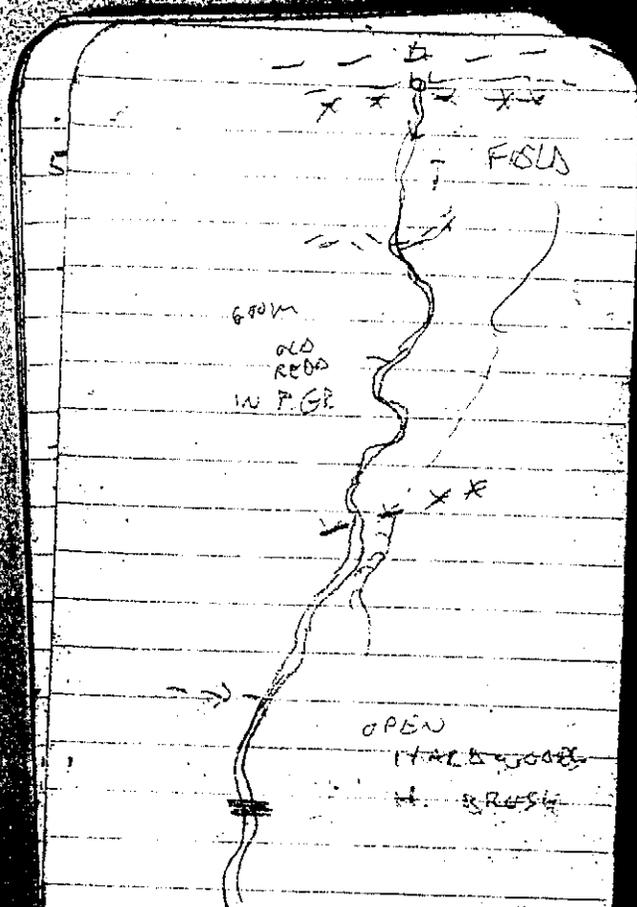
223 - 1.5  
@ FENCELINE - 1m<sup>2</sup>

229m ww 1.5  
WT TRIP ON RB  
COMES DOWN HILL RIFF  
0.5m WIRE, WISED  
IN BRUSH

281m ww 1.5m  
- @ BANK ON RB  
- 3 BANK ON LB  
- 75% RIFF  
- 2m<sup>2</sup>

307m ww 2m  
- HEAVY BRUSH  
- 2 WISED BANKS  
- @ OLD ROT. WOODEN  
BRIDGE

355m ww 2m  
- HEAVY HEAVY BRUSH  
- OPEN WOODST.  
- SMALL W. TRIP  
ON RB



355m ... H. 0.7% POOLED  
MUD - BANKS

391m 1.5m  
1' DROP

418m WW 1.5m

@ FENCELINE  
- CAN SEE HILLS AND  
FIELD OFF TO THE  
LEFT,

554m WW 1.5m

- VEG. OPENS UP  
- PRETTY CLOSE TO  
WALL ON LB

554m @ old forest  
LINE.

646m WW 1.5m

- 50% POOLED

- OLD ROAD w/  
A GRAVEL

- MOSTLY SHADY / MID  
SUBSTR.

683m WW 3m

- MOSTLY POOL

- @ INT. TRB ON

LB (TRICKLE)

- TRUCK CROSSING ON  
CR.

703m WW 1.5m

- TRICKLE ON RB

737m WW 2m

SLOW MOVING, NICE POOLS  
FIELD (MIDDLE OF) SILT

836m WW 1.5m

- SLOW-MOVING, 50-60%  
POOLED

- @ 2' CRIP & GR RD

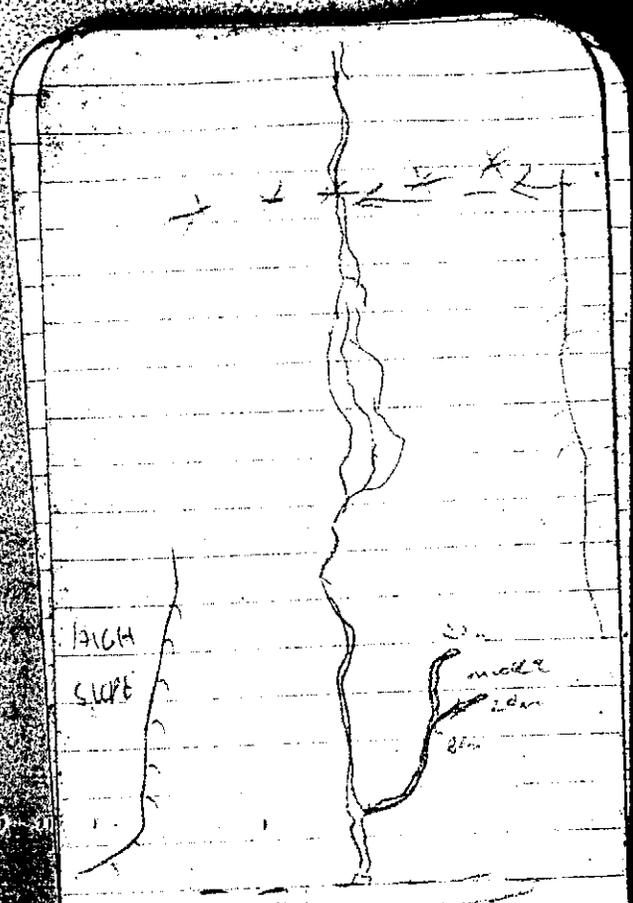
- SAND & CRIP COBB  
WATER CREEK & CAN. GR

845m UPSTR. END OF  
CULVERT.

CULVERT LOOKS A  
LITTLE UNDERSIZED

FOR HIGH FLOWS

BUT APP. PASS TO JULY  
& ADULTS



871m W.W. 5m  
 - TRIL ON LB - LOOKS  
 LIKE TRIL  
 - GOING UP TRIL

40m W.W. 1m  
 - SLOW - MOVING  
 - MUD - BOTTOM MUD  
 - SKEW CASE

80m W.W. 1m  
 - DIR PASSEY  
 - IT FORKS  
 VERY SHALLOW & SLOW  
 MOVING

\* BACK TO MANSTON \*

957m - ww 2.5m  
- SLOW-MOVL 10' 000

988m - ww 3.0m

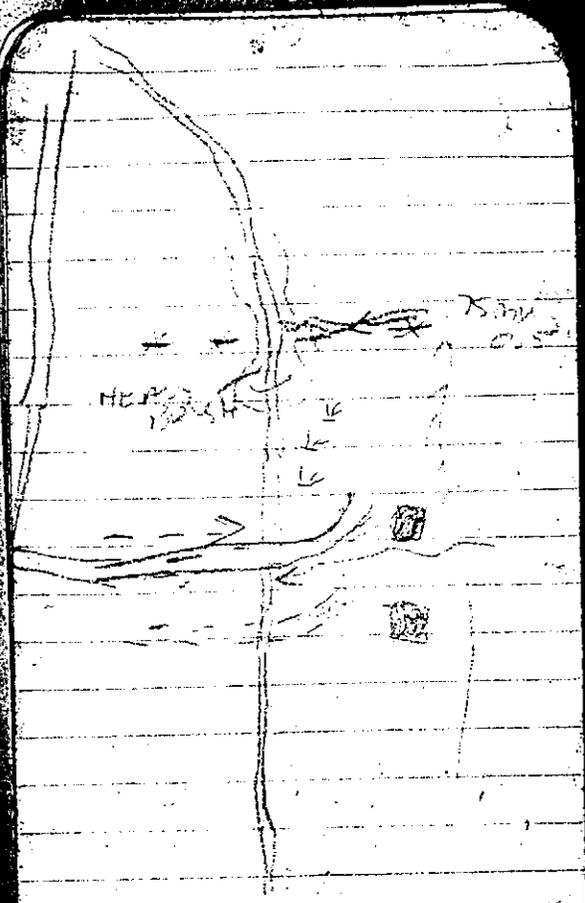
1075m - ww  
- BRAIDED CH.  
- SPREAD T  
- VERT MUCKY SLOW  
- 0-50

1166m - SLOW  
- TO COLL. IN CH  
- BUT STILL BRAIDED  
- MUCKY SLOW

1208m - ww  
- BRAIDED CH 12m  
- WTR CROSS &  
- WATER PACE  
- MUCKY

BACK TO ONE CH  
- 1284m - ww 1.5m  
- SLOW-MOVL 0-17  
- OF HOWDS  
- LOTS OF CANAL  
- GRASS - WTR CROSS

1317m - ww 1.5m  
- @ FENCE LINE  
- SMALL TRIG ON LIS  
- CAN HEAR WTR CH  
- SLOW SLOPE



1460m w/w 1m  
 - THERO CAN GRASS  
 SEDGES RUSH  
 - SOME WTR CRESS  
 NO TREES

1521m w/w 0.75m  
 @ FENCE LINE  
 ADJ. TO BARN  
 - LITTLE DITCH  
 ALONG FENCE ON  
 LB

1541m w/w 1m  
 TRIL ON LB  
 - 0.5m HAB FOR  
 20m THAN UP HILL

1556m ww 1m

- @ DRIVEWAY E
- 3' CON. PIPE
- 1/2 FULL OF SILT
- BUT PASSABLE

1560m UPSTREAM END  
OF CULVERT

DITCHLINE ON RB  
INT. FLOW

NON HAB

1610m ww 2m

- POOL LOADED
- WITH AQUATIC
- VEG. EXC. FISHING
- @ FENCELINE

1750m ww 1m

POOL

- W STRIP OF
- HEAVY BRUSH
- @ FENCELINE

1980m ww 1m

- POOL IN BRUSH
- STRIP @ DRAW
- ~~PIPE~~ CULVERT?

1988m UPSTREAM  
END OF TILT

- PIPE IS A 2' CON. R.
- IT IS DRY.
- WATER SEEPS
- UNDER IT.
- REMOVE?
- BARRIER?

1988m W.W. 0.5m

- SLOW MOVING  
WITH BRUSHY SUEP.  
- @ 2 CM WOOD  
HWY 538.

- CH. IS CHECKED W/  
GRASS JUST BELOW

- CULVERT.

- WTR TEMP.

- ON OTHER SIDE OF  
CULVERT & HIGHWAY,  
WATER APPEARS TO  
POP UP OUT OF GROUND.  
MAY, BE DRAW TUB  
IN FIELD AREAS

HWY.

- OCCASSIONAL SAND  
WTR IN FIELD  
BUT NO CH TO  
BE FOUND

END OF SURVEY.

Comments

- FAIR → GOOD  
SPAWNED FISH, SILT.

- GOOD → EXC. REPAIR

- LOW FLOOD.

- NO FISH SEEN.

- A COUPLE OF REEDS  
OBSERVED.

- GOES FROM MOUNT  
PRIVATE PROP.

