

SITE INFORMATION

Site Identifier :	MX1RB1	Landowner Type :	Private
Site Name :		Landowner Name :	
WRIA :	03.2966X	Address :	
Region :	NS	Address2 :	
Trib to :	Maddox Cr	City :	
River Mile :	6.20	State :	
River System :	Maddox Cr	Zipcode :	
Legal Description :	NE1/4S28T34NR4E	Phone :	
County :	Skagit	Coordinates	
Habitat Type :	lower valley wall tributary	East:	1,562,440.00 North: 1,127,850.00

Directions :
 Take Section Rd in Mt Vernon east to Maddox Cr Rd on the right, just above Little Mountain Middle School. Turn right and go approximately 50 meters to a culvert and the site.

Area Overview :
 This trib is located in a high residential area in Mount Vernon but offers some good spawning and rearing habitat. It appears to have flow most of the year and gets some good cutthroat trout use. The lower end of this site has been enhanced recently and is in a designated wetland area.

Field Survey Information

Date : 3/9/00 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 0.2
 Upper end: 0.1

Water Temperature(C): Lower end: 7.2
 Upper end:

Receiving Water Temperature (C): 7.0

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1m **Ponds:** **Wetlands:**

Depths: Channel: 15cm **Ponds:** **Wetlands:**

Total length (includes ponds and wetlands): 1050m

Total existing habitat area (est. m2): 1376

Spawning area:	Mainstem:	20	Tribs:	Total:
Impounded area:	Mainstem:		Tribs:	Total:
Other rearing area:	Mainstem:	1356	Tribs:	Total:
Unaccessible habitat:	Mainstem:		Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: The gravel size appears to range up to 1" in size; there is fair overhead cover from some planted alders along the bank and there is little in-channel cover for predator avoidance. Most of the spawning habitat is located within the initial 250 meters.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The first 243 meters is approximately 50% pooled, has planted alders along the banks with a substrate that is mud/gravel. This section is located in a designated wetland area. From 243 meters to 639 meters, the stream is in a ditch that runs along the road, averages one meter in width, is approximately 5% grade, and goes through three different culvert sites. Above 639 meters, the creek is in a wooded buffer strip, is approximately 4% grade and is mostly slow-moving with a muddy bottom.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: This site appears to be stable. During storm events, the mainstem has little affect on this site.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Large pool at entry area allowing easy access.

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

Describe: A local landowner claims to have seen salmon up here in the early 70's. Presently, there is a barrier culvert located downstream from this site, hindering upstream migration.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: There were several cutthroat redds observed in this site.

ENHANCEMENT OPPORTUNITIES: The culverts located at 595 meters and 623 meters can be replaced to facilitate fish passage. Also, just above the culvert located at 535 meters, there is a 10 meter long section that is at 18% grade as the creek drops down into the culvert. It would facilitate fish passage if this drop could be spread out more using log control weirs over a longer section.

Project type:

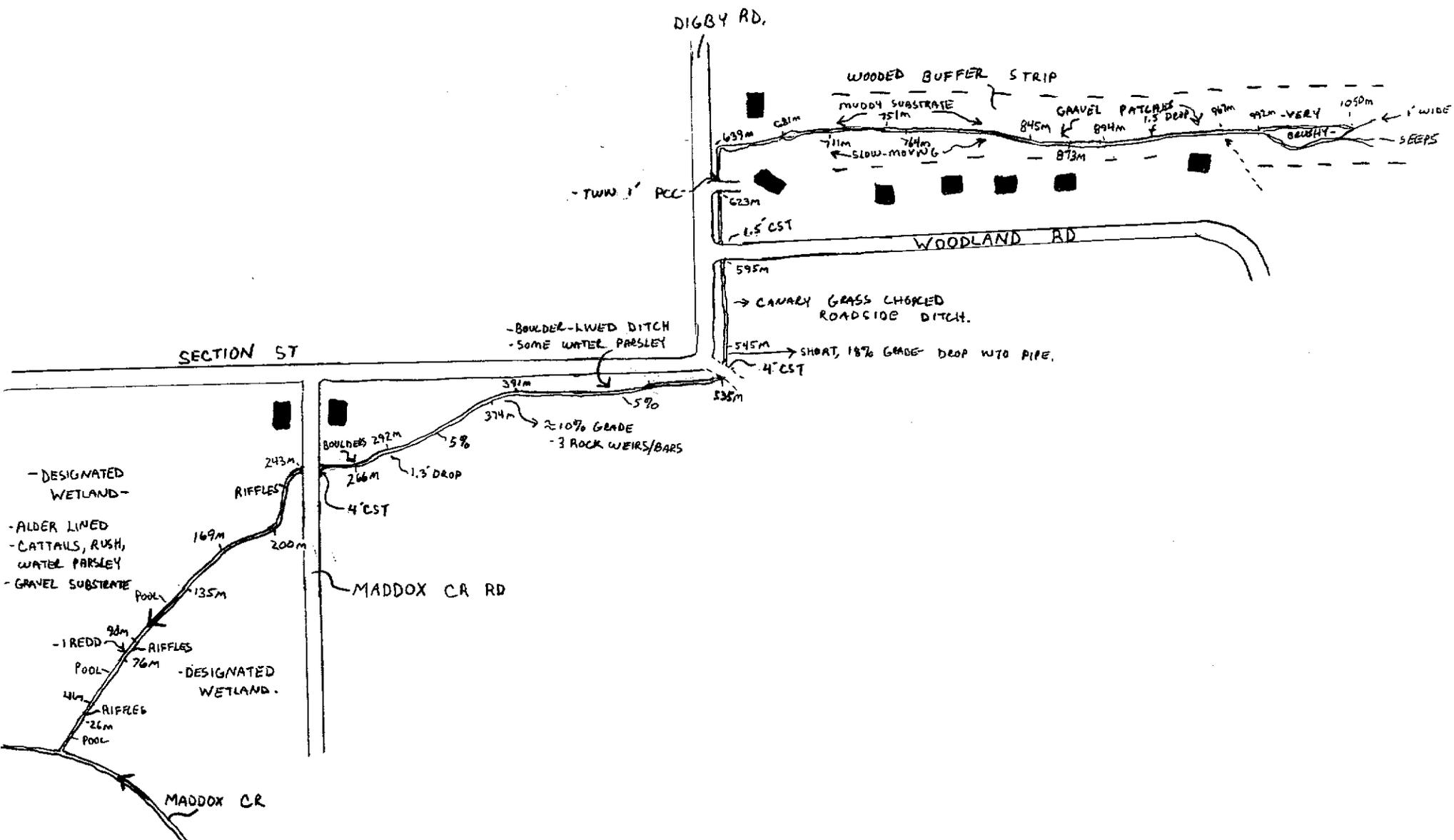
Equipment access:

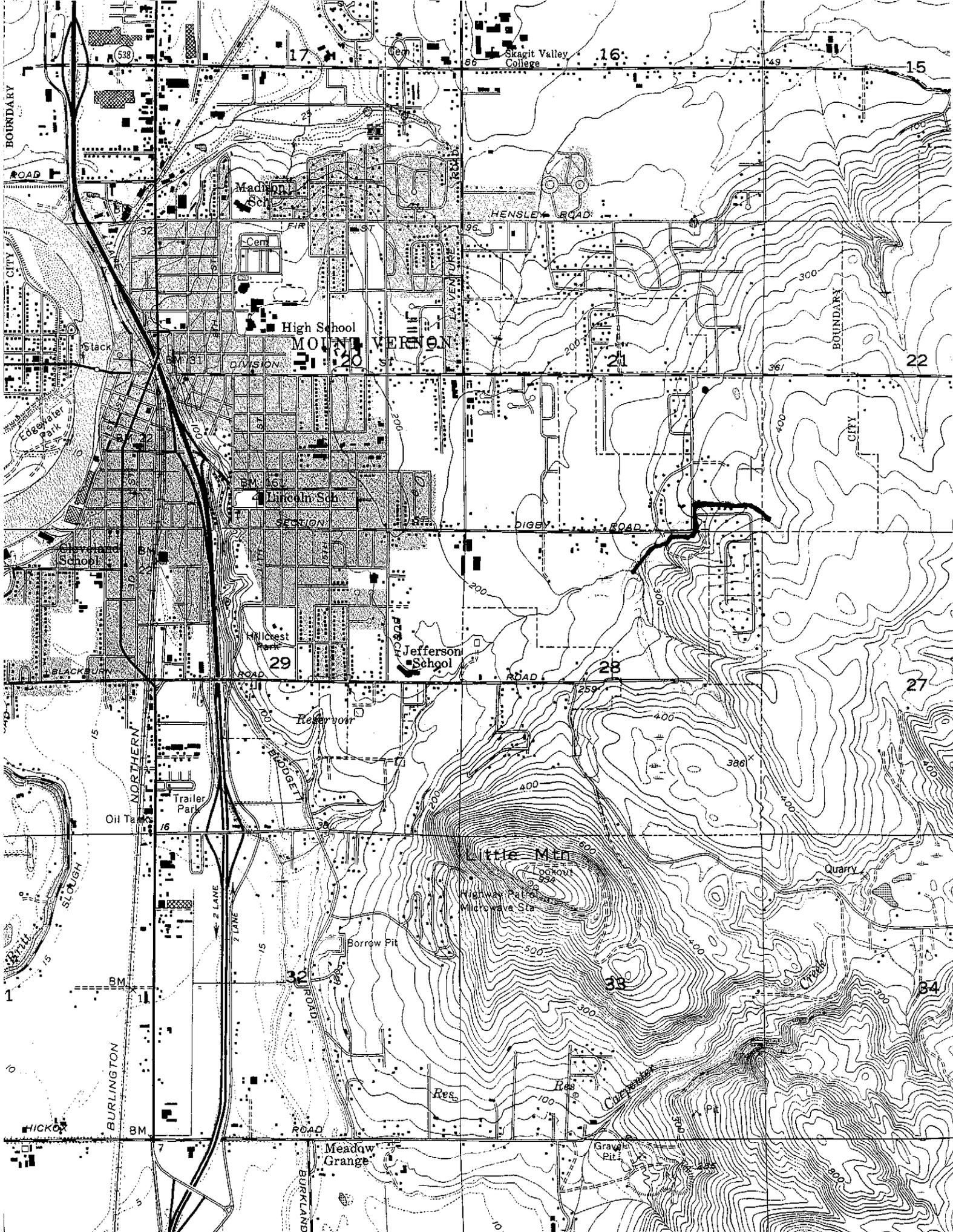
ADDITIONAL COMMENTS: The survey was ended as the channel split into several braids and seeps. There are four culvert sites located in this system. They are CR178, CR179, CR180 and CR181 in the culvert inventory.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

Site id. code: MX1RBI
 Site name:
 Scale: 1" = 90M
 Observer(s): OLIS
 Legal location: NE 1/4 S28 T34N R4E





MX 1RBI

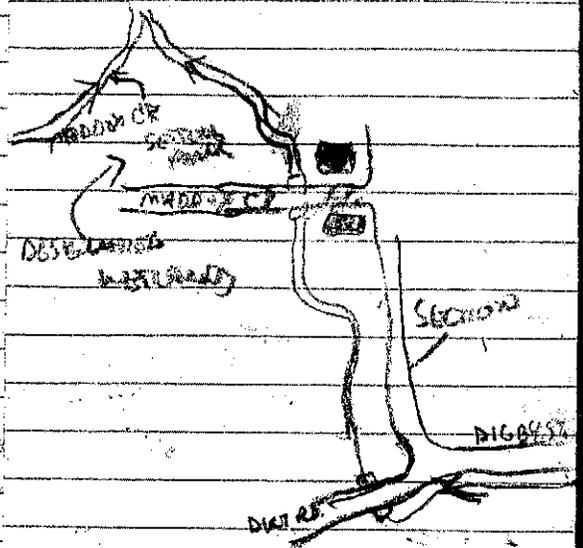
RM 6.2

NE 1/4 S20 T34N R4E

X- 1502440

Y- 1127850

3-9-00



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0.0 ENTRY

WT - 45°

RWT - 44.5°

FLOW - 0.2 CFS

POOL @ ENTRY

26 m well 2m

- SLOW-MOVING

- MUD BOTTOMING

- COPIES, RUBS

- DOUBT W/ W/ SINKS

41m well 1m

- RIPPLED

- SOME COBBLES & GRAVEL

76m ww 1.5m

- 4m² SP HAB

- 1 ROAD OBSERVED

(SLOW MOVING - ROCKY)
WATER P.

90m ww 1m

- MOSTLY RIFE

- COBBLES GRAVEL

135m ww 1.5m

- SLOW - moving

- CATFISH, WATER P

169m ww 1m

- 3m² SP HAB



200m ww 1.5m

- 2m² SP HAB

243m ww 1m

- MOSTLY RIFE

- GLASS PLANTED

ALL THE WAY

- (A) MAD. CR. ED

AND CULVERT

(CRZ)

266m ww 2

- SPREAD OUT, SHALLOW

- SOME BOULDERS

- 2m² SP

292m ww 1m

- COBBLE / GR 2m²

- (C) 1.3 DEAD

1874m WW 1m

- 7.5% RIDE

- COBBLE / GR 3.2

391m WW 1.5m

- 3 ROCK WEIRS / BARS

- GRADIENT 10.5%

535m WW 1.5

- BOULDER LINED

DITCH ALONG ROAD

- 5% GRADE

- SOME WATER P.

- @ CULVERT

545m WW 0.75m

- SM CASCADES

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- THIS 10m SECTION
IS 18% GRADE JUST
AHEAD CULVERT.

595m WW 0.75m

- MOSTLY SLOW GROWING

THIN CANOPY GRASS

AND ROADSIDE DITCH

- @ CULVERT

WOODLAND DR.

623m WW 1m

- W ROAD SIDE DITCH

W/ CANOPY GRASS

- @ TWIN PCC'S UNDER

PRIVATE DRIVE

(PIPE ON RB 10m BELOW)
(1.5 BRICK PIPE)

639m WNW 0.75m

- STILL IN POSSIBLE
DITCH, TURNS AWAY
FROM ROAD AND INTO
YARD

643m WNW 1m

BOTTOM OF BRICK

649m TOWARD SW

- TOP OF AXE

681m WNW 1m

- SHALLOW

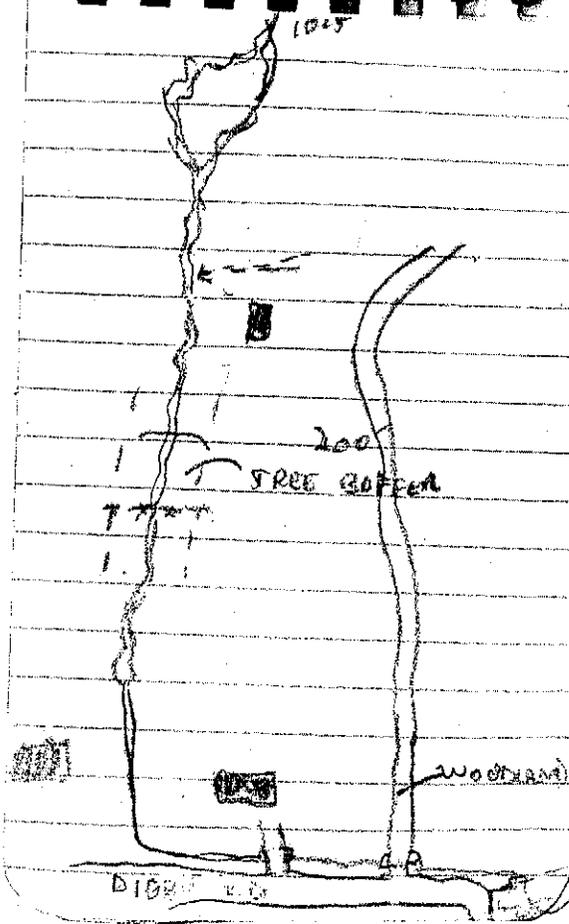
- GRAVEL SUBSTRATE,

- SOME BRICK

711m WNW 1m

1ST 6m IS 2m WIDE
SHALLOW

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711m ww NO BRUSH

- DIRT (100)

- GR. PRESERVATION

751m ww 1m

- SLOW MOUNTAIN

- CEDARS ACROSS BRUSH

- BRUSH GR. OUT

MUDDY AND BOTTOMY

- W.P. & GR. CAB.

764m ww 1.5m

- POOL

845m ww 1m

- SHALLOW -

- 2nd SP



- GOOD TREE COVER

- POOR BRUSH

873m ww 1m

- MUDDY - GOOD BRUSH

894m ww 3m

- SPREAD OUT, SHALLOW

MUDDY

925m ww 1m

- SLOW MOUNTAIN SW

- \approx 40% GRADE

- @ 1.5' DROP.

967m ww 1m

- SMALL WT. CR ON

LB. @ BRUSH IN WOODLAND

792m WVW 1m
50/50 P/R
IN HARDWOOD STRIP
@ FERN (125 A BRAID)
- LOOKS 50/50

1015m WVW 2m
BRAIDED CN,
- VERY BRISKY
- CO.1 CES FLOW

1050m WVW 0.5
- SPREADS OUT INTO
SEVERAL SUBS
- END OF SURETY