

SITE INFORMATION

Site Identifier :	PI2RB13	Landowner Type :	Private
Site Name :		Landowner Name :	
WRIA :	O5.0080C	Address :	
Region :	NS	Address2 :	
Trib to :	05.0080	City :	
River Mile :	0.70	State :	
River System :	Pilchuck Cr	Zipcode :	
Legal Description :	SW1/4S9T32NR5E	Phone :	
County :	Snohomish	Coordinates	
Habitat Type :	terrace tributary	East:	1,591,757.00 North: 1,075,928.00

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 approximately 4.5 miles to the culvert at mile post 35.55 and the site.

Area Overview :

This spring-fed site features a 2736 square meter man-made pond that is not accessible to fish because of the earthen dam on the lower end of it. There was a juvenile coho observed downstream of Hwy 9 and the pond.

Field Survey Information

Date : 3/19/01 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

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

Flow: () Intermittent (X) Year-round

Estimated Flows (cfs): Lower end: 0.25
Upper end: 0.1

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

Receiving Water Temperature (C): 6.7

Other Observations:

Site Area Measurements: () Indirect (X) Direct () Combination
Widths: Channel: 1m Ponds: 24m Wetlands:
Depths: Channel: 18cm Ponds: Wetlands:
Total length (includes ponds and wetlands): 633m

Total existing habitat area (est. m2): 3679

Spawning area:	Mainstem:	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 196	Tribs:	Total:
Unaccessible habitat:	Mainstem: 3484	Tribs:	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 155 meters is accessible rearing habitat. It is slow-moving and mostly pooled with good overhead cover. There is a silty/mud substrate with occasional skunk cabbage present. At 85 meters is an abandoned grade with a culvert (partial barrier-LP26) and at 105 meters is Hwy 9 and a non-barrier culvert (LP27). At 155 meters is a earthen dam (LP43) which blocks the habitat upstream.

Describe unaccessible habitat: Upstream of the earthen dam at 155 meters is a 114 meter long by 24 meter wide pond. It is brush-lined and there appears to be some good woody structure present. Upstream of the pond, the channel is 6 meters wide and eventually necks down to 1 meter in width. It is in a small brush-lined draw with some beaver activity. It has a mud substrate with skunk cabbage, water parsley and sedges present in places. It originates out of a wet, swampy ground area in a hardwood patch that is loaded with water parsley and skunk cabbage.

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The mainstem meanders through a large swale that sits below this site. There was no evidence of any past flooding issues.

FISH INFORMATION

Site entry condition: Poor Fair Good

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

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

Describe: There were juvenile coho observed downstream of Hwy 9. Fish would be unable to access and utilize the habitat upstream of the dam.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: Trout can also access and use the habitat up to the earthen dam at 155 meters.

ENHANCEMENT OPPORTUNITIES: Remove the partial barrier culvert at 85 meters. Build a small fish ladder to allow access to the 3484 square meters of good rearing habitat upstream of the earthen dam or remove the dam itself.

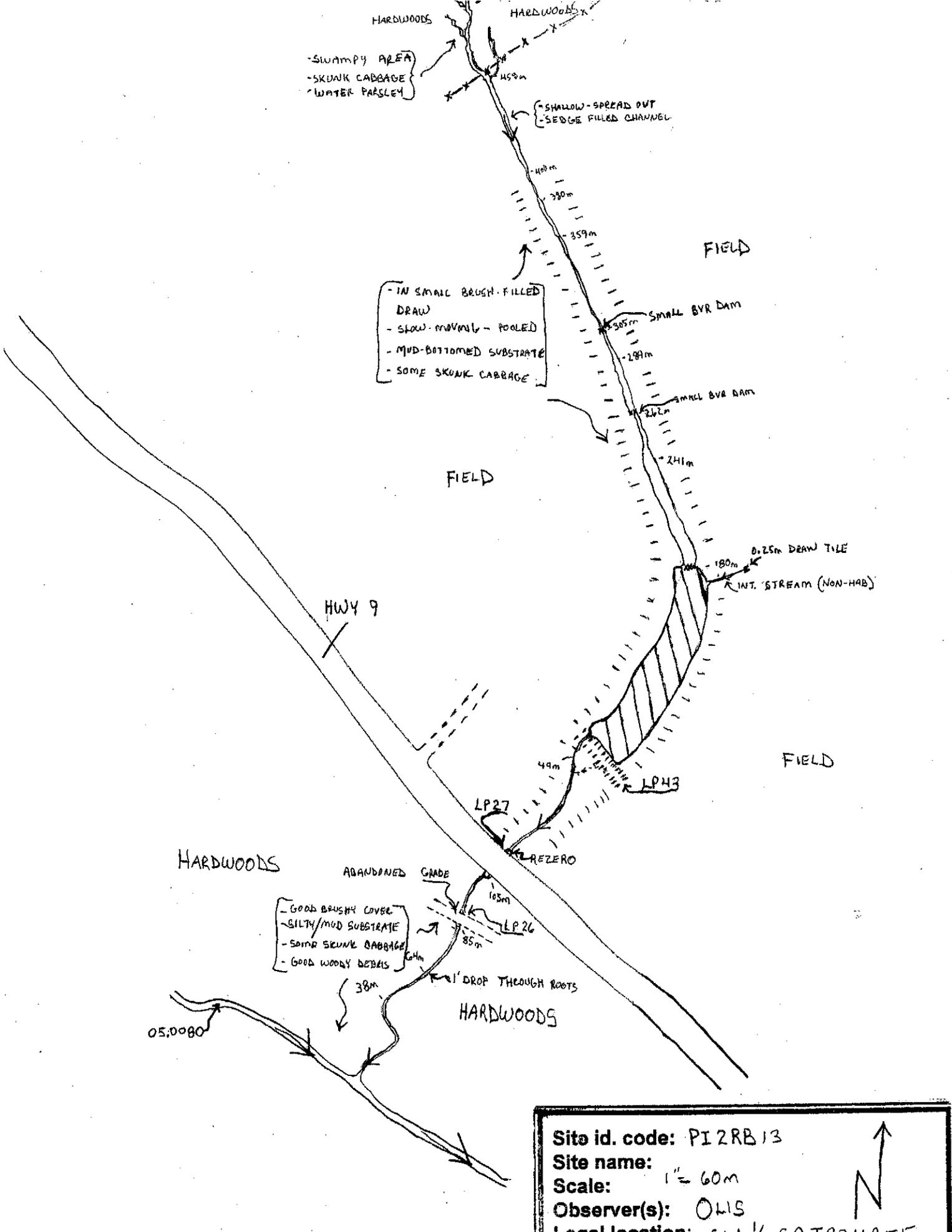
Project type:

Equipment access:

ADDITIONAL COMMENTS: The survey was ended at a small wetted swampy area 506 meters upstream of Hwy 9. The man-made pond appears to be stocked with trout as several were observed during the survey.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References



- SWAMPY AREA
- SKUNK CABBAGE
- WATER PARSLEY

- SHALLOW - SPREAD OUT
- SEDGE FILLED CHANNEL

- IN SMALL BRUSH-FILLED DRAW
- SLOW MOVING - POOLED
- MUD-BOTTOMED SUBSTRATE
- SOME SKUNK CABBAGE

- GOOD BRUSHY COVER
- SILTY/MUD SUBSTRATE
- SOME SKUNK CABBAGE
- GOOD WOODY DEBRIS

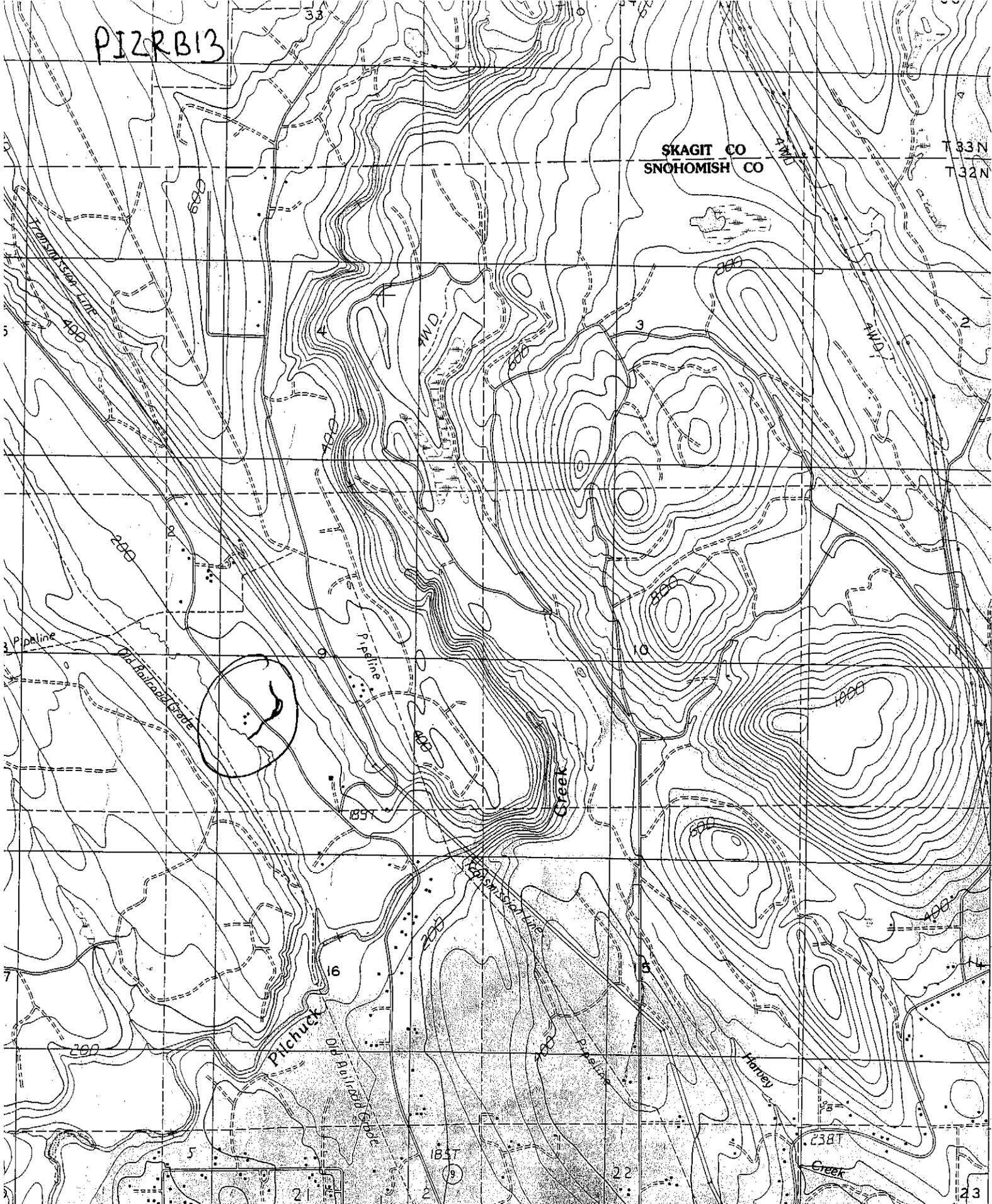
Site id. code: PI2RB13
 Site name:
 Scale: 1" = 60m
 Observer(s): OLIS
 Legal location: SW 1/4 S9T32NR5E



P12RB13

SKAGIT CO
SNOHOMISH CO

T 33 N
T 32 N



560 561 10 562 563 564 000mE 122° 0'

SCALE 1:24 000

KILOMETERS
METERS 1000

ROAD LEGEND

PIZRB 13

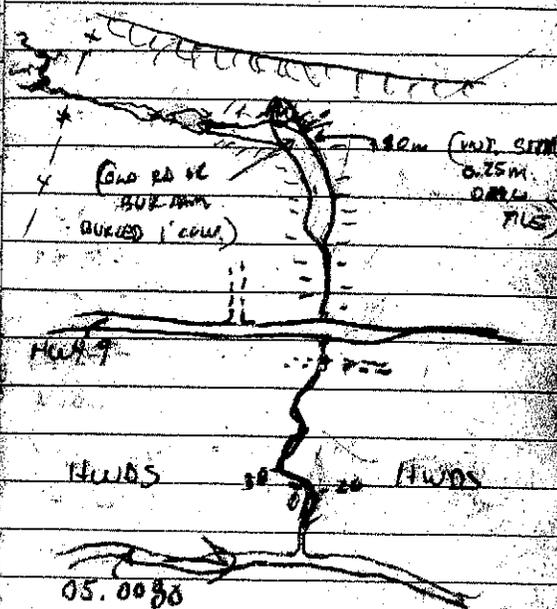
RM 0.7

SW 1/4 S9 T32N R5E

X-1591757

Y-1075928

3-19-01



O.O ENTRY
 FLOW 0.25 CFS
 WT 45"
 RW 44"
 ACCESS - GOOD

- 38m WW 1m
- SLOW GROUND - MOSTLY PAVED
 - HEAVY BRUSH - GOOD WOOD
 - SILT/MUD SUBSTR.
 - BANKS SLIGHTLY INCISED
- 60m WW 1m
- SOME SKUNK CABBAGE
 - @ ROCKS @ 1' DROP
 - WATER SUBS UNDER ROCKS
 - JUV. COWS OBSERVED?

98

85m WW 1m

- @ PCC AND ABANDONED
GRADE

98m UPSTE END OF CULVERT

105m WW 1m

- @ HWY 9 AND
CULVERT. 45°

127m - UPSTREAM END OF
CULVERT.

- POND ABOVE

- CONTINUE SURVEY ON
NEXT DAY

(TETRICK?)

4/25 CONTINUE SURVEY



(RECORD @ HWY 9)

49m WW 1.5m

- SLOW-MOVING AND POOLED

- LOTS OF SKUNK CABB.

- SHALLOW & SPREAD OUT
IN PLACES.

- @ BASE OF DAM 3m ±

55m WW 1m

- STEPS UP TOWARDS
POND (1896)

- @ 0.45m DROP

66m WW 1m

- THRU CANARY GRASS

- @ BASE OF POND

202m WW 24m

- Pond

- BANKS ARE BRUSH LIND

241m WW 6m POOL

- HARDWOOD ALONG BANKS

- MUD-BOTTOMED

- SOME SKUNK CABB.

262m WW 1.5m

- SLASH MOUND

- @ 4m BRUSH DAM

289m WW 3m POOL

305m WW 1m

- @ 2m BRUSH DAM

359m WW 0.7m - SHALLOW

380m WW 1.2m - SPREAD OUT - SHALLOW

400m WW 0.7m



458m - 1.7m - SHALLOW

SPREAD OUT WITH SEEDS

FILLED CHANNEL

478m WW 2m

- SHALLOW SPREADOUT

- IN HARDWOOD PATCH

506m WW 1.5m - SHALLOW

STEP LOTS OF BRIDS -

(SKUNK CABB - WATER PARS)

COMMUNITY

- NO SPAWN - GARD WORK

- GOOD ESTATE

- POSSIBLE PROJECT

- LOW FLOOD

- EMERALD SPRING ESTATE