

**SITE INFORMATION**

Site Identifier : EN2LB12 Landowner Type : Private  
 Site Name : Landowner Name :  
 WRIA : 03.0239X Address :  
 Region : NS Address2 :  
 Trib to : Walker Cr City :  
 River Mile : 2.70 State :  
 River System : EF Nookachamps Cr Zipcode :  
 Legal Description : NW1/4S5T33NR5E Phone :  
 County : Skagit  
 Habitat Type : wetland

**Directions :**

From the Highway 9 and Walker Valley Rd intersection, go approximately 1.6 miles to Walker Cr. Hike upstream approximately 0.3 miles to the site.

**Area Overview :**

This trib is an excellent piece of coho habitat as it provides approximately 31,000 square meters of ponds and wetlands that are riddled with beaver activity. There were seven adult coho observed spawning in the initial 350 meters of this site.

**Field Survey Information**

Date : 12/7/99 Observer : Olis Survey Type : initial

**HABITAT INFORMATION**

Water Source: (X) Spring (X) Groundwater (X) Surface runoff  
 Flow: ( ) Intermittent (X) Year-round  
 Estimated Flows (cfs): Lower end: 0.3  
 Upper end: None  
 Water Temperature(C): Lower end: 5.5  
 Upper end: 6.4  
 Receiving Water Temperature (C): 5.0

**Other Observations:**

Site Area Measurements: (X) Indirect (X) Direct ( ) Combination  
 Widths: Channel: 1m Ponds: 50m Wetlands: 45m  
 Depths: Channel: 25cm Ponds: Wetlands:  
 Total length (includes ponds and wetlands): 1526m

Total existing habitat area (est. m2): 31071  
 Spawning area: Mainstem: 15 Tribs: Total:  
 Impounded area: Mainstem: Tribs: Total:  
 Other rearing area: Mainstem: 31056 Tribs: Total:  
 Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: The gravel size ranges from 1" to 2" and there is a fair amount of overhead cover. The spawning habitat was located within the initial 350 meters of the site (outlet to the pond).

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: The initial 420 meters is the outlet to the pond and is in a 1 meter wide channel as it flows around an edge of a field. The substrate is mud bottomed with several patches of gravel and there is a fair amount of brushy cover. The pond is approximately 180 meters long by 50 meters wide and is surrounded by canary grass, rush and cattails. Above the pond is a series of beaver dams and wetlands as the site flows through a low spot between two slopes.

Describe unaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe: This wetland appears to be mostly a marsh type with canary grass, cattails, water parsley, duckweed and rush. A local landowner said that the pond has some bog influence. Although I was unable to verify this, there is another pond less than 1 mile away that does have bog type of vegetation.

Flooding potential:  Low  Medium  High

Describe: Aside from a major beaver dam failing and sending down a wave of water, this site appears relatively stable.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

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

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

Describe: Although there were no juveniles observed, this site probably gets good use as it provides some excellent rearing habitat. There were seven coho observed spawning in the outlet to the pond.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: This site provides some excellent trout habitat also.

ENHANCEMENT OPPORTUNITIES: At 120 meters is a 2 foot smooth steel pipe (NC30 in the culvert inventory) that appears undersized for this site. It does pass adults, as there were adult spawners above, and it probably passes juveniles two thirds of the time. Replacing this structure would appear to facilitate juvenile passage during peak flows. The culvert for the power line road crossing (NC29 in the culvert inventory) does not appear to be a barrier to fish, but there was a chunk of wood jammed inside the culvert indicating that it may be a barrier to passing woody debris.

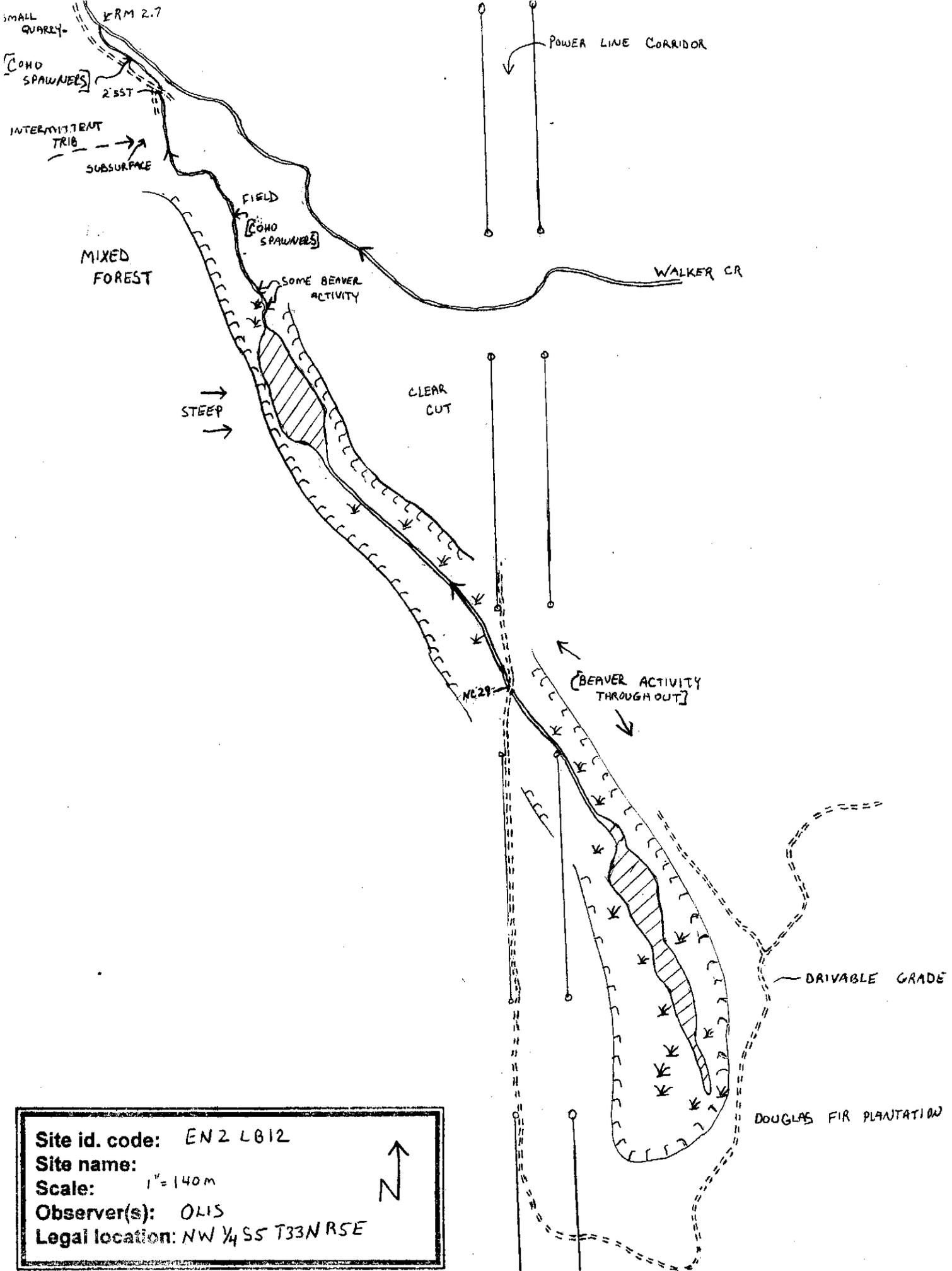
Project type: Culvert replacement

Equipment access: Can drive to it.

ADDITIONAL COMMENTS: Part of this site was done from aerial photos. No GPS positions were recieved.

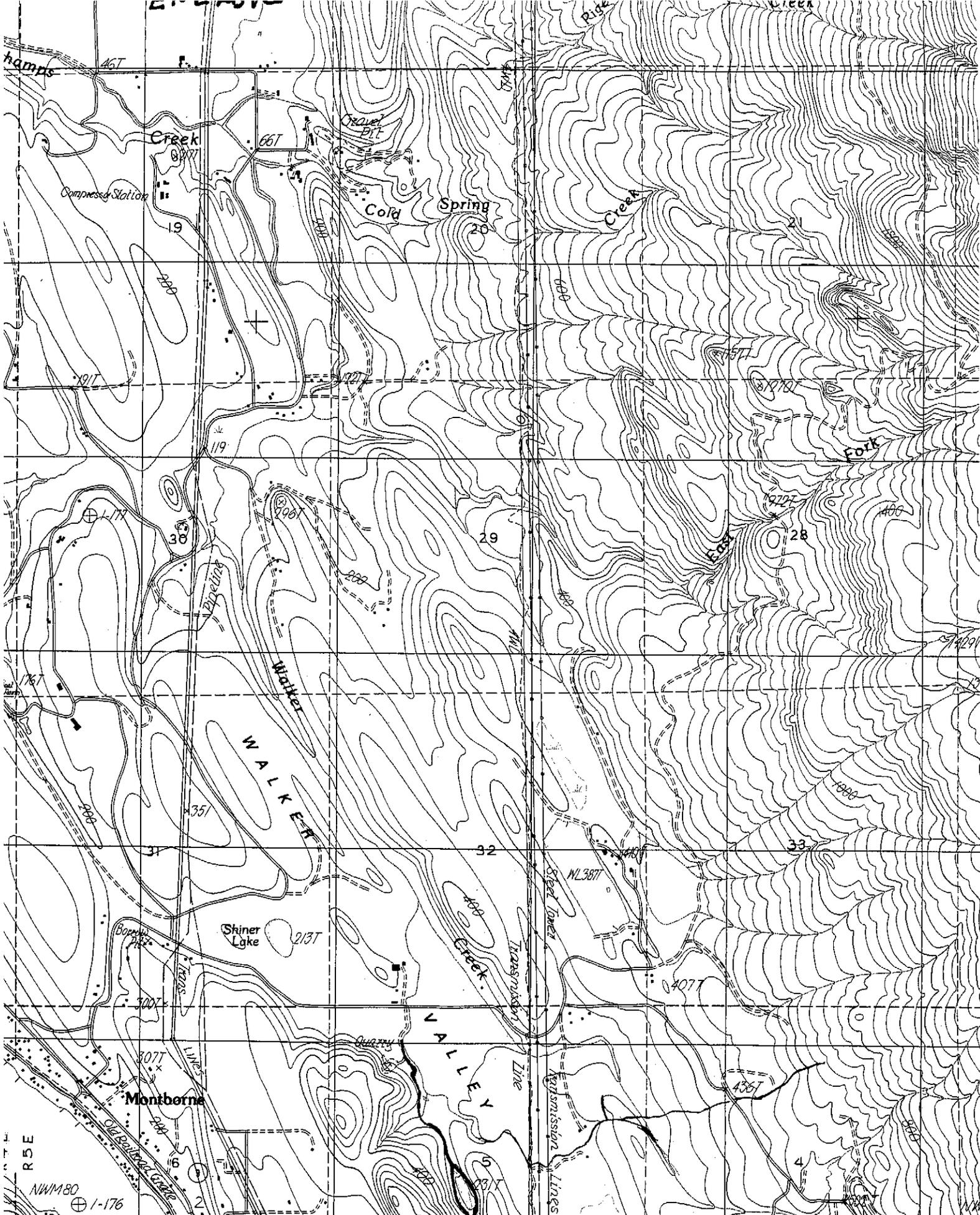
#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References



Site id. code: EN2 LB12  
 Site name:  
 Scale: 1" = 140m  
 Observer(s): OLIS  
 Legal location: NW 1/4 SS T33N R5E

↑  
N

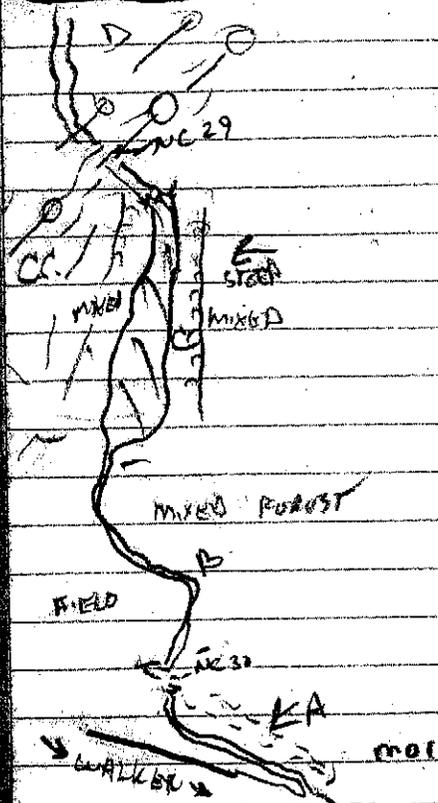


EN2 LB 12

RM 2.7

NW 1/4 S5 T33N R5E

12-7-99



GO ENTRY

END GRA - 43.5°

Flow - 0.3 CFS

WT - 42°

RWT - 41°

ACCESS - POOL (GOOD)

A ≈ 200m FROM MOUTH  
TO NC-30

- WW 1m

MIXED BANKS

- 8" SP HAB

1" GRAVEL

GOOD COVER

B ~ 250 m

- mostly in channel  
THAT FLOWS ALONG  
EDGE OF FIELD -
- PROB. COME FROM FLOOD
- LOWER END OF  
POND HAS A FEW  
SM. BUR DABS AND  
WATER TURTLES AND CAME

L POND

D SWAMP ABOUT  
POWER LINE  
BUC- ACTIVITY,  
CATTAILS, CANARY GRASS



DUCK WEED, RUSH