

**SITE INFORMATION**

**Site Identifier :** SK3RB1 **Landowner Type :** Private  
**Site Name :** **Landowner Name :**  
**WRIA :** 03.0294X **Address :**  
**Region :** NS **Address2 :**  
**Trib to :** Minkler Lake **City :**  
**River Mile :** 1.10 **State :**  
**River System :** Skagit R **Zipcode :**  
**Legal Description :** NE1/4S13T35NR5E **Phone :**  
**County :** Skagit  
**Habitat Type :** terrace tributary

**Directions :**

From Sedro Woolley, head east on Highway 20 for approximately 6 miles to the Lyman-Hamilton road on the right. Turn right and go approximately 0.1 miles to the site. The creek cross under the road through a 2' concrete round culvert.

**Area Overview :**

This terrace trib appears to have some spring water influence as it flows on a bench that is developed mostly for grazing cattle. It is limmited by the presence of cattle tromping through it during the summer as well as a 50m section of 1' culvert that is a fish passage problem.

**Field Survey Information**

**Date :** 02/25/1997 **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: 0.1  
Upper end: 0.1

**Water Temperature(C):** Lower end: 9.4  
Upper end: 6.9

**Receiving Water Temperature (C):** 9.4

**Other Observations:**

**Site Area Measurements:** ( ) Indirect (X) Direct ( ) Combination

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

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

**Total length (includes ponds and wetlands):** 1350m

**Total existing habitat area (est. m2):** 1954

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

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

**Other rearing area:** **Mainstem:** 1954 **Tribs:** **Total:**

**Unaccessible habitat:** **Mainstem:** **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 section that runs through the pasture is slow moving with pools, is mud bottomed, and is choked with water cress and rush. Above Highway 20, the creek picks up gradient, has excellent cover from berry and other brush, but has quite a bit of silt showing up in the substrate. There is some large woody debris in the upper section of the site which helps create an occasional small pool but habitat is mostly riffled above Highway 20.

Describe unaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: During a major flood event, the Skagit River will reach the very lower end of this site but doesn't appear to create any problems for this creek. However, the upper section of this site is a steep gully that has failing clay side slopes. I can see two or three areas that can potentially slide into the creek at some time in the future.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: There is a pool at the entry area of this site. Fish would have no problems accessing the first 160m of this site from Minkler Lake. The 1' culvert begins at the 160m point and this does create some fish access problems.

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

Describe: I don't believe this creek packs enough water for adult access and use, and there doesn't appear to be any usable spawning gravel in this system anyways. Juvenile access would be hampered by the 60m stretch of 1' pcp that would have to be navigated to access the habitat above. I think juveniles would be deterred by the sustained flow over a 60m stretch with no holding pools.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: No trout were observed during the survey but habitat is suitable for trout also.

#### ENHANCEMENT OPPORTUNITIES

Project type: This site could be improved by opening up the culverted section to allow better fish access, fencing both sides of the creek in the pasture to keep the cattle out of it and revegetating banks for cover.

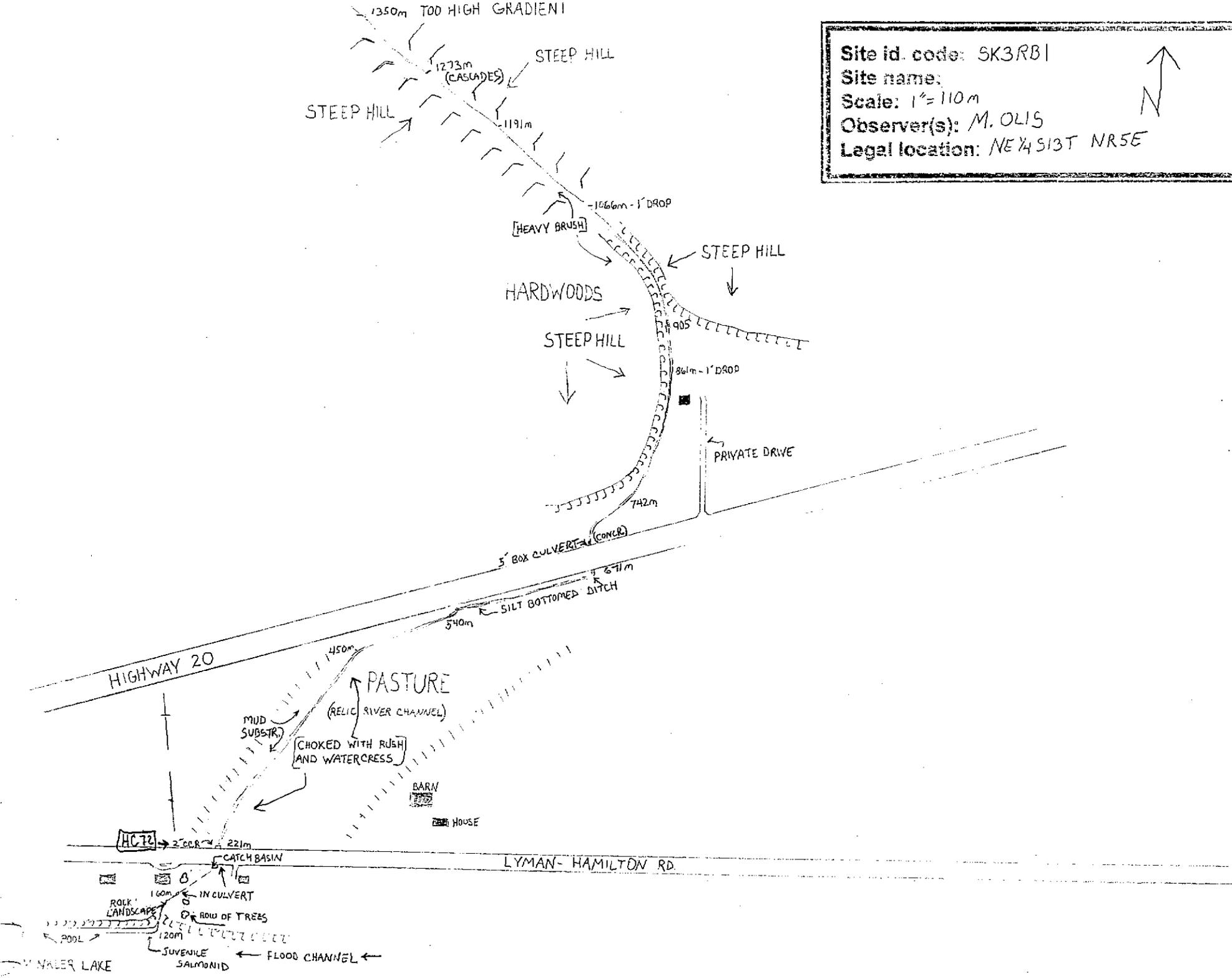
Equipment access: Heavy equipment could access the site easily from the Lyman-Hamilton road.

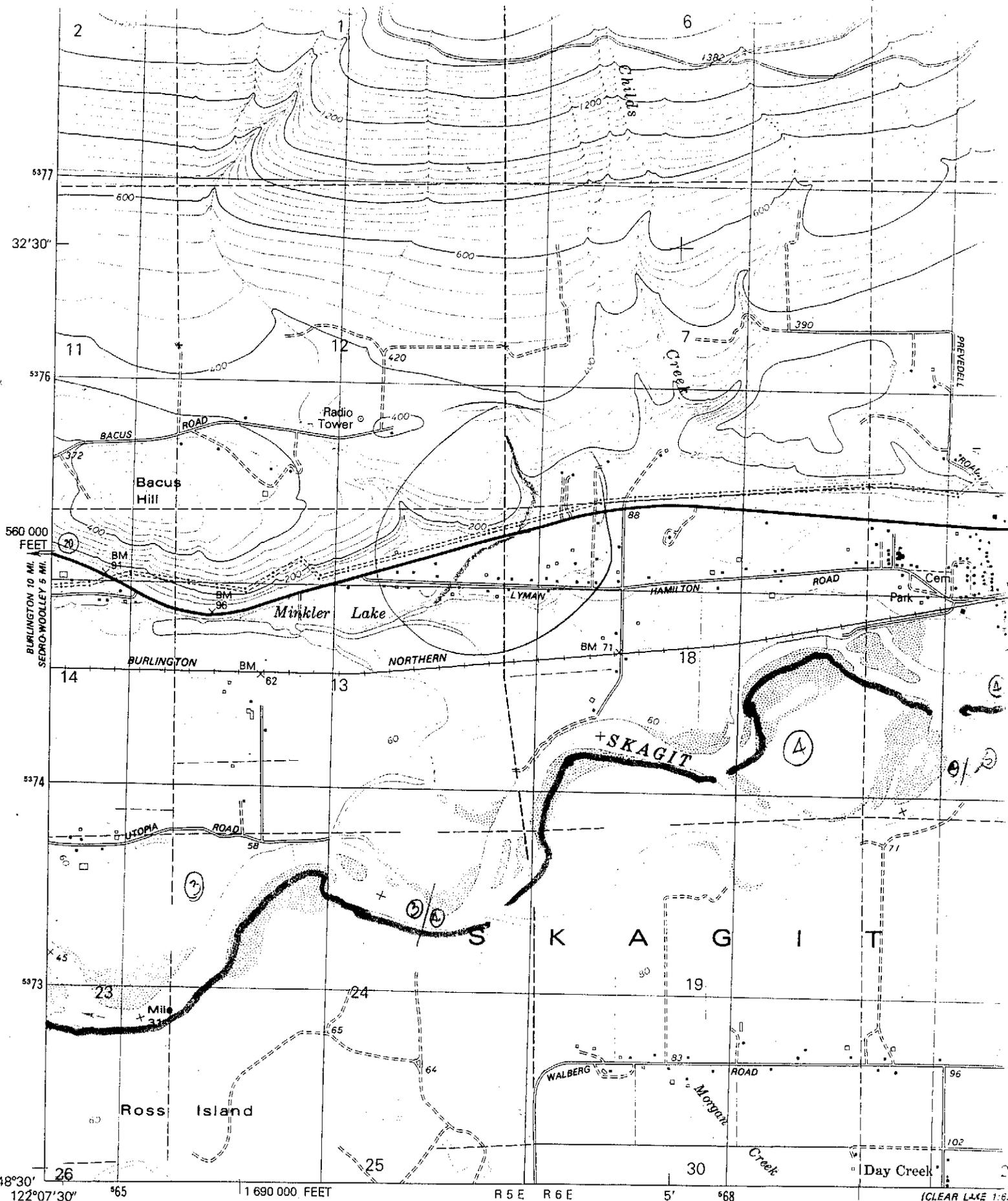
ADDITIONAL COMMENTS: There was small amounts of spawning gravel showing up in the substate above Highway 20, but most of it is buried in silty clay and is unusable.

#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References

Site id. code: SK3RB1  
 Site name:  
 Scale: 1" = 110m  
 Observer(s): M. OLIS  
 Legal location: NE 1/4 S13T NR5E



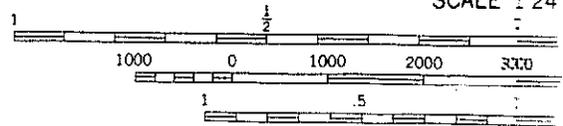
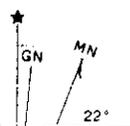


Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1974-75. Field checked 1976

Map edited 1980



SCALE 1:24

1:5000

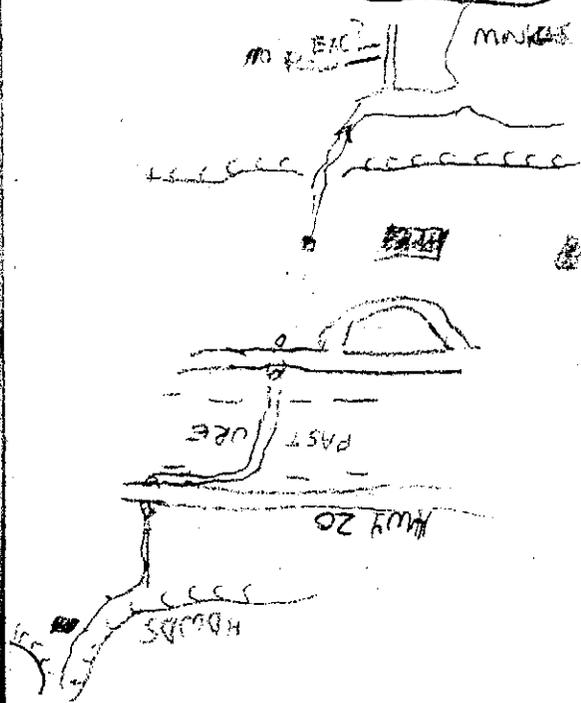
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SK3RBI

RM 1.1 (TRIB TO MINKLER)

NE 1/4 S13 T35NR5E

2/25/97



0.0 ENTRY

- WTR TEMP 49°
- REC WTR -
- FLOW - POOL
- EASY ACCESS

120m ww 4m POOL

- 1' DEEP - GREEN ALGAE
- POOL HAS BEEN PART. DRAINED BY NEIGABOR
- @ SMALL CASCADE W/ 0.1 CES

- MUD SKIPPERS
- MUDDY SUBSTR.

160m ww 0.5m

- RIFF
- LANDSCAPED BANKS

160m... @ 12" PCP  
- SUBSTR. FIRM SILT/GRD.

208m @ OPEN CONCR.  
CATCH BASIN & SOUTH  
SIDE OF ROAD - STREAM  
STILL IN CULVERT.

221m @ UPSTREAM END  
OF CULVERT - 2' CONCR.  
CULVERT

409m WW 2m  
- SLOW-MOVING POOLS  
- 5' DEEP - MUD BOTTOMED  
CHOKED W/ RUSH & SOME  
OTHER AQUATIC VEG. (WATER CRESS)  
- @ OLD WOODEN PC.  
450m ALONG HWY 20

520m WW 2m  
540m OUT OF PASTURE  
MORE LIKE DITCH ALONG  
HWY 20 SILT BOTTOMED  
NO VEG.

671m WW 1m SILT BOTT.  
@ 5' CONCR. CULVERT  
UNDER HWY 20.

- NO DEEP - NOT A BARRIER  
- 692m @ UPSTREAM END OF  
CULVERT

- 705m WW 1.5m  
- SHALLOW, SOME GR.  
SHOWING UP

- 742m WW @ 1.5m  
- RIFF SILT/GR SUBSTR  
CHOKED W/ BLACK BERRIES  
- @ BASE OF HILL

839m @ SW PROBLEMS HERE

- WW 1m SILT LADEN  
RIFE

861m ww .5 @

- 1 FOOT FALLS  
- INCISED BANKS

905m ww 1m

- IN BRUSH BEHIND  
HOME

- SLOPE ON LB NOW

974m ww 1m

10/20 P/R  
- COBBLE & LARGE GR  
SHOWING UP IN SILTY  
SUBSTR.

- THICK W/ BERRY BRUSH

- @ OD CEDAR STUMP...

in CREEK FLOWS UNDER

1066m ww 1

- HEAVY BRUSH

- MUCH LWD

- @ 1 FOOT FALLS

- INTO A BUFFERED  
AREA NOW

1191m ww 1m

- FEW BOULDERS SHOWING  
UP

- GRADE INCREASING

- 0.1 CFS - WTR TEMP. 74.5

- SEED ON LB

1273m ww 0.5m

- GRADE INCREASING

- ALDER CHECKED

GULLY - 3 FOOT DROP / GLIDE  
END OF JOV. ACCESS

1390m<sup>.5m</sup> END OF  
THE LINE. 0.1 CFS  
FLOW -  
TO HIGH GRADIENT

## COMMENTS

- DID NOT SEEM LIKE ANY GOOD SPAWNING HAB. HEAVY SILTATION
- POSSIBLE YEAR ROUND FLOW.
- SEEMS SURFACE FED BUT MUST HAVE SPRING INFLUENCE.
- GOOD REARING AREA ON FLAT SECTIONS.



- GOES THROUGH PASTURE WHERE CATTLE GRAZE.
- USE CREEK TO WATER CATTLE.
- 3-4 PRIVATE LANDOWNERS
- 1ST ONE WALT WHITNEY SEEMS INTERESTED IN ENHANCEMENT.
- 400 FOOT BUFFER ALONG STREAM?
- HIS NEIGHBOR DRAINED POOL AREA
- MOD. FLOOD POT.
- HE SAW JUV. FISH @ VERY LOW END OF SITE