

SITE INFORMATION

Site Identifier : BK3RB2 **Landowner Type :** Federal
Site Name : **Landowner Name :** USFS
WRIA : 03.0498A **Address :**
Region : NS **Address2 :**
Trib to : Baker Lk **City :**
River Mile : 13.40 **State :**
River System : Baker R **Zipcode :**
Legal Description : NW1/4S18T37NR9E **Phone :**
County : Whatcom
Habitat Type : lower valley wall tributary

Directions :

From the Cook Rd. and Hwy 20 intersect, head east on Hwy 20 for 17.8 miles to the Baker Lake Rd. on the left. Turn left and go 16.3 miles to the FS 1122 road on the right. Turn right and go approximately 1.1 miles to a fork. Stay right and go approximately 0.2 miles to a culvert in the road and the site.

Area Overview :

A trib that flows into Baker Lake just below Little Sandy Creek. It has excellent coho spawner use and offers a small amount of rearing for juveniles. There is a culvert on this site that is a partial barrier to returning coho spawners.

Field Survey Information

Date : 11/23/1998 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: 6
 Upper end: 3

Water Temperature(C): Lower end: 5.6
 Upper end: 5.6

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: Indirect Direct Combination
Widths: Channel: 3m Ponds: Wetlands:
Depths: Channel: 25cm Ponds: Wetlands:
Total length (includes ponds and wetlands): 1287m

Total existing habitat area (est. m2): 4567

Spawning area:	Mainstem: 176	Tribs:	Total:
Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 4391	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: The gravel ranged from 1" to 4"; there was good brushy cover along the banks; and there was good amounts of woody structure and root overhang for in channel cover.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: This creek has good brushy cover but has a low percentage of pooled habitat. There are a few small tribs that feed into this site that are mostly slow moving and pooled which appear more suitable for coho rearing. Approximately 103m above the road and culvert is a pooled area that is spring fed. It is 250 square meters of pool with a variety of aquatic vegetation and woody structure.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: This creek dumps into Baker Lake and it appears that if the lake level is very high that there is a possibility of some backwater flooding. Also, on the FS 1122 road, there appears to be some road damage due water on the roadway from an intermittent trib that feeds into this site during high flows.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: This site enters into the lake.

Coho access and use: Juvenile Unknown None Poor Fair Good

Adult Unknown None Poor Fair Good

Describe: During the survey, 148 coho spawners were counted in the 0.6 miles of creek walked. There were no juveniles observed but site is accessible to them.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Although neither trout or sockeye were present during the survey, both can access the site. There appears to be suitable spawning habitat for sockeye and trout as well as some rearing habitat for trout.

ENHANCEMENT OPPORTUNITIES: The culvert that this stream flows through on the FS 1122 road has a 3' drop. Several coho attempted to jump into the pipe with no luck on the first day of the survey. However, on the second day of the survey (one week later), 56 coho adults were observed above the culvert. The culvert is passable but passage can be improved by replacing the culvert and eliminating the 3' drop.

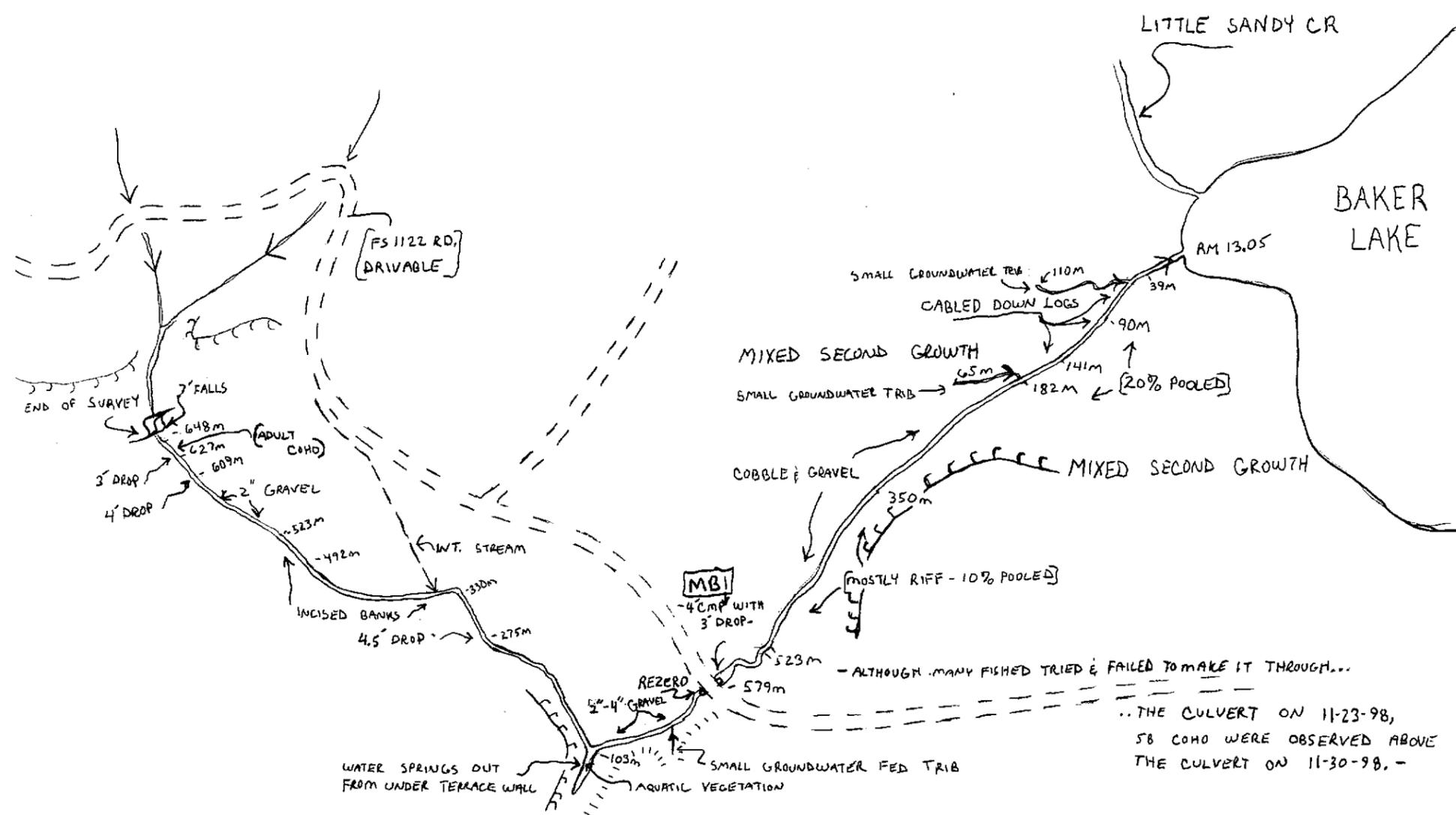
Project type: Culvert replacement

Equipment access: Can drive to it.

ADDITIONAL COMMENTS: The survey was stopped at a 7' falls that did not appear passable. No adults were observed above this falls. This stream has also been surveyed for spawners by tribal efforts.

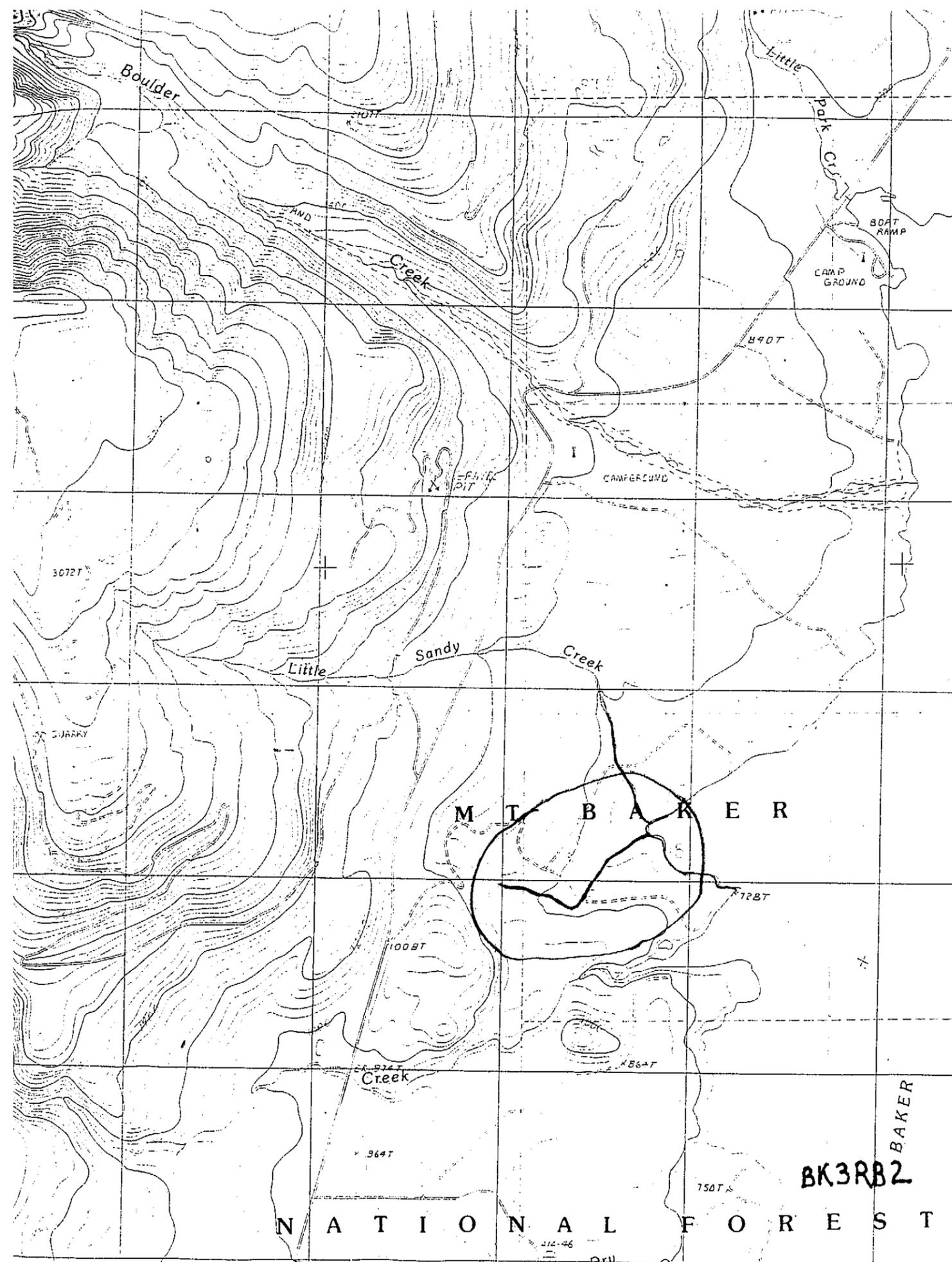
ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References



Site id. code: BK3RB2
 Site name: BEAVER CREEK
 Scale: 1"=125m
 Observer(s): M. OLIS
 Legal location: NW¼ S18T37N R9E





BK3RB2

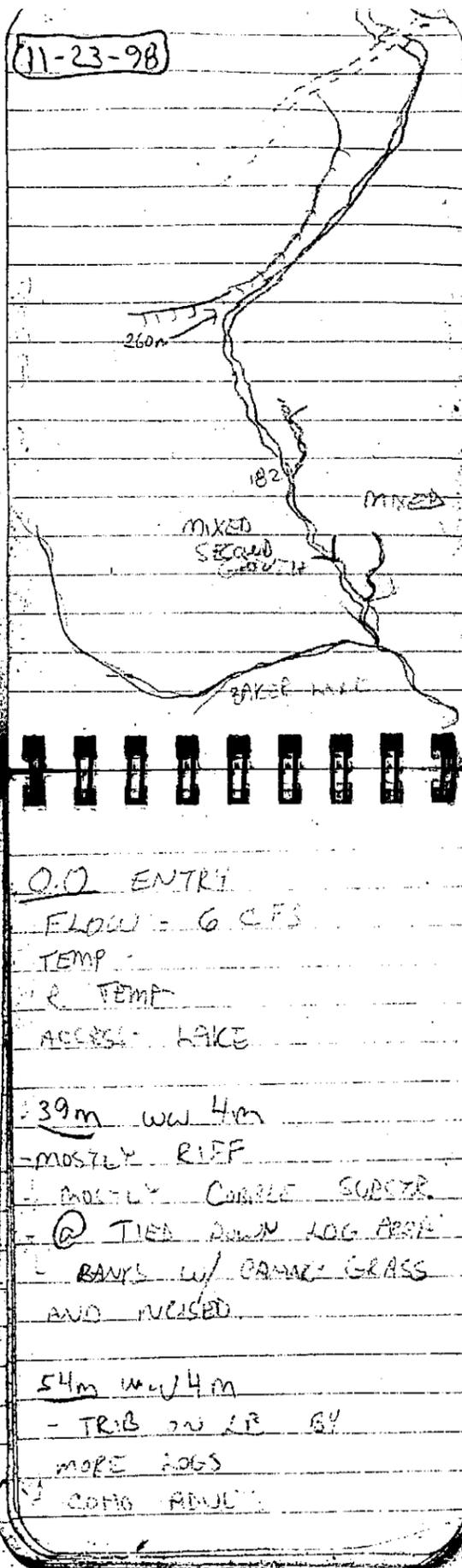
BAKER

BK3RB2

RM 13.05

NW 1/4 S18 T37 N9 E

0498A BVE CR.



↑ GOING UP TRIB ↑

- FLOW 0.1+

- TEMP 43°

21m WW 0.5"

- RIFF -

- 2 ADULT SPAWNERS

COHO

- @ POINT WHERE

STREAM GOES UNDER

ROOT WAD - ACCESS?

57m WW 1m

- SLOW MOVING

- SANDY SUB.

- FLOWS AROUND

ROOT WAD

103m WW 1m

- SHALLOW

- VERY BRUSHY

- WATER GOES SUB

SURFACE - END OF

ACCESS

- STREAM POPS UP

ON OTHER SIDE

ABOUT 8m.

- BACK TO MANGROVE

@ 54m

- LOOKS ACCESSIBLE

WITH HIGHER FLOWS.

- PETERS OUT @ 110m -

- LOTS OF WOODS & BRUSH

- WITH TEMP 43°

- 4m SP. HAD - SMALL

BACK @ 54m -

90m ww 5m

- 20% POOLED

- MOSTLY COBBLE

- 8m² SP NAP

- PINNED LOGS

- 4 REDDS 10 FISH

- GOOD COVER

141m ww 6m

- 6m² SP - 1 ADULT

- @ 1' DROP

182m ww 5m

- 8L - 8m² SP - 3 REDD

- TRIB ON 2B



182m ww 1m wide

BUR DAM @ mouth

OF TRIB -

* GOING UP TRIB - *

- FLOW 0.1 CES

- NO ACCESS TODAY

14m ww 1m POOL

- CANARY GRASS ALONG

BANKS

- @ 2m BUR DAM

PASSABLE

22m ww 4m POOL

- ORGANIC SUB

- WTR PASS, L'VER WART

44m WW 1m
- mostly pool

65m WW 1m
- VERY BRUSHY
- WTR FLOW OUT
FROM UNDER GROUND
- END OF HAB

BACK TO 192M

260m WW 4m

- 37L 28m² 14R



350m WW 3m

- GL - 12m² - 2R
- MORE COBBLE W
- SANDTR.
- MOSTLY RIFF

523m WW 4m

24L - 48m² - 7 - REDDS
- MOSTLY RIFF
- 10% POOLSD

579m WW 4m

- 5L - 12m² - OR
- @ 4' CMP w/ 3' DEEP
- WATCHED COHO
TRY & JUMP IN - NO LUCK

579 m...

← COUPLE OF CON^s
W POOL @ CULVERT

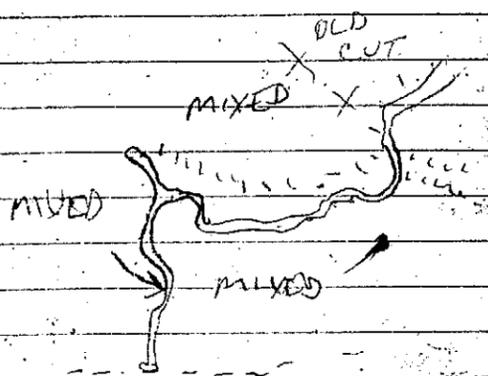
SCOUR POOL 10m x 15m

589 m

← ACROSS ROAD TO
UPPER END OF
CULVERT

11-30-98

↓ REZERO ON UPSTREAM
END OF CULVERT ↓



60m - 3m WW

- 17L - 12m²

- 2-4" GR.

- GR. SPE. ON BANKS

103 WW 3m

- 9L - 10m² SP

- @ FORK

- MOST OF FLOW 2/3 OUT OF LF

CONTINUUM UP LF MAIN

275m WW 2.5m

- 30% POOLING

- 20L - 15m² -

- LARGER GR.

- @ 4.5" DROP IN ROCK

275m... Lots of

wood & BRUSH

330m W.W. 2m

- 40% POOLED

- MOSTLY COBBLE

- DOWN LEFT

- COBBLE & BAULDS

346m W.W. 2m

- DRY CHANNEL

ON L.B. (LOOKS LIKE

ONE FROM ROAD)

- (IN CO) BANKS 4)

- GRASS ON BANK

492m W.W. 2.5m

- 5m² SP

- MOSTLY COBBLE

- DRY

- BRUSHY

523m W.W. 4m

- MOSTLY RIFF

- @ 2' DROP

609m W.W. 3m

- 9L - 12m² SP

- 4" INCISED BANKS

- 1" - 2" GE

- @ 4' DROP THRU

DEBRIS

- TINY FRICKLE LB

- MIXED F. ON RB

622m - 3m

- 3' DROP THRU

DEBRIS

648m WW 2.5m
@ 7' DROP
END OF HAB
- FLOW 3 CFS
- TEMP - 41°

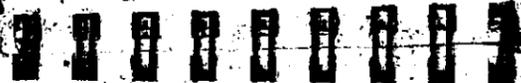
*BACK TO FORK.

@ 103m *

26m WW 8' Pool
- WOODY DEBRIS
- AQUATIC VEG.
- 2 COLONIAL SPAWN
- GRASSY GRASS

37m

TAPERS TO
NOTHING - END OF
HAB.



WATER FLOWS OUT
FROM UNDER TERRACE
WALL (SPRING)
- WTR TEMP - 42°

- ANOTHER SMALL
TRIA ON RB. 21m
- 10.5m Pool

Comments

- EXCELLENT SPAWN HAB
- MOD. FLOOD
- GOOD REARING
- GOOD AM. JWD
- 7' FALLS @ END OF
HAB

- GOOD AD. USE
- GC. VARIES W
SIZE
- CULVERT IS
PASSABLE, PARTIAL
BARRIER.
- NO SUB. SEW
- SOMEONES INDEX