

SITE INFORMATION

Site Identifier : BK4RB5 **Landowner Type :** Federal
Site Name : **Landowner Name :** USFS
WRIA : 03.0510X **Address :**
Region : NS **Address2 :**
Trib to : Morovitz Cr **City :**
River Mile : 0.65 **State :**
River System : Baker R **Zipcode :**
Legal Description : NW1/4S32T38NR9E **Phone :**
County : Whatcom
Habitat Type : beaver pond

Directions :

From the Cook Road 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 20.5 miles to the FS 1144 road on the left. Go approximately 0.6 miles to a spur road on the right. Turn right and follow it to Morovitz Cr. Walk down creek approximately 0.1 miles to the site.

Area Overview :

This is a beaver complex and swamp that provides approximately 5.5 acres of excellent coho rearing habitat. There were coho spawners present on almost all the available spawning habitat which indicates that this may be a very productive site for coho.

Field Survey Information

Date : 12/03/1998 **Observer :** Ollis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end:2
Upper end:2

Water Temperature(C): Lower end:2.2
Upper end:2.8

Receiving Water Temperature (C):3.9

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel:2 Ponds:200 Wetlands:

Depths: Channel:2 Ponds:1 Wetlands:

Total length (includes ponds and wetlands):118

Total existing habitat area (est. m2):23905

Spawning area: Mainstem:30 **Tribs:** **Total:**

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

Other rearing area: Mainstem:23875 **Tribs:** **Total:**

Unaccessible habitat: Mainstem: **Tribs:** **Total:**

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Gravel varies from sandy pea gravel to 4". There is good cover from woody debris, beaver dam material and aquatic vegetation.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The inlet into this site comes down off the hill in a small draw and is high gradient with riffles and cascades. As it hits the flat bench, there is a series of beaver dams and a large swamp that offers approximately 5.5 acres of excellent rearing habitat. This site is surrounded by brush, canary grass, sedges and rush in standing water. There are a few snags and stumps present as well as the wetland plants noted above which provide excellent structure for juvenile coho.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe: Marsh appears to be mostly shallow except in a few places with abundant emergent vegetation and surrounded by old growth forest.

Flooding potential: Low Medium High

Describe: There is little indication that this site frequently floods. There may be an occasional beaver dam that blows out, but this site appears fairly stable.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a small eddy pool present at the entry.

Coho access and use: Juvenile Unknown None Poor Fair Good

Adult Unknown None Poor Fair Good

Describe: There were coho spawners present on almost all the available spawning habitat. There were a few redds dug in sandy pea gravel. Although no juveniles were observed during the survey, this site probably gets heavy coho juvenile use.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: There were no trout observed during the survey, however this site does offer some excellent trout habitat and is accessible to them.

ENHANCEMENT OPPORTUNITIES: None

Project type:

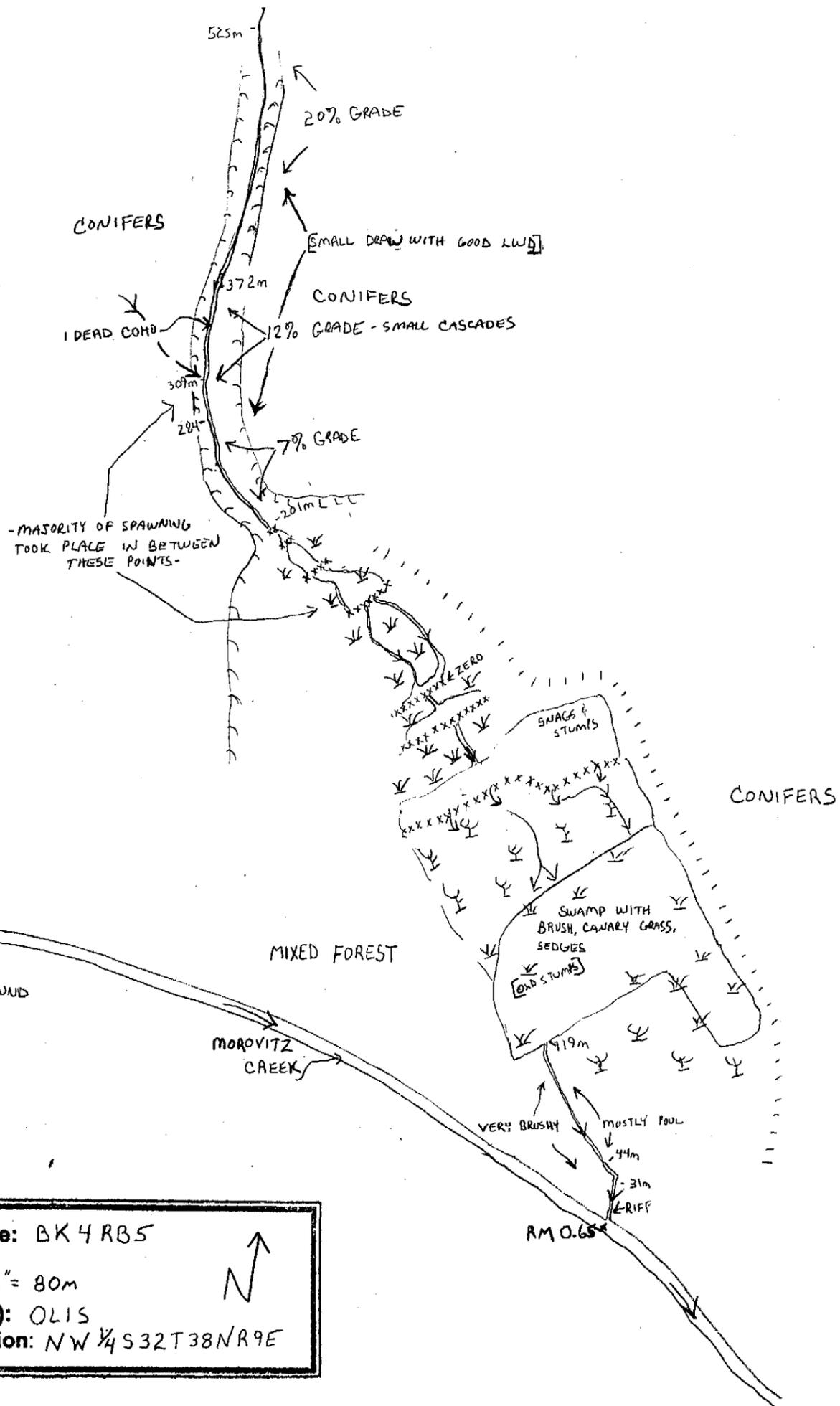
Equipment access:

ADDITIONAL COMMENTS: The water in this site is tannic in color. The survey was ended as the gradient became greater than 20%.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping

Other References



Site id. code: BK4RBS

Site name:

Scale: 1" = 80m

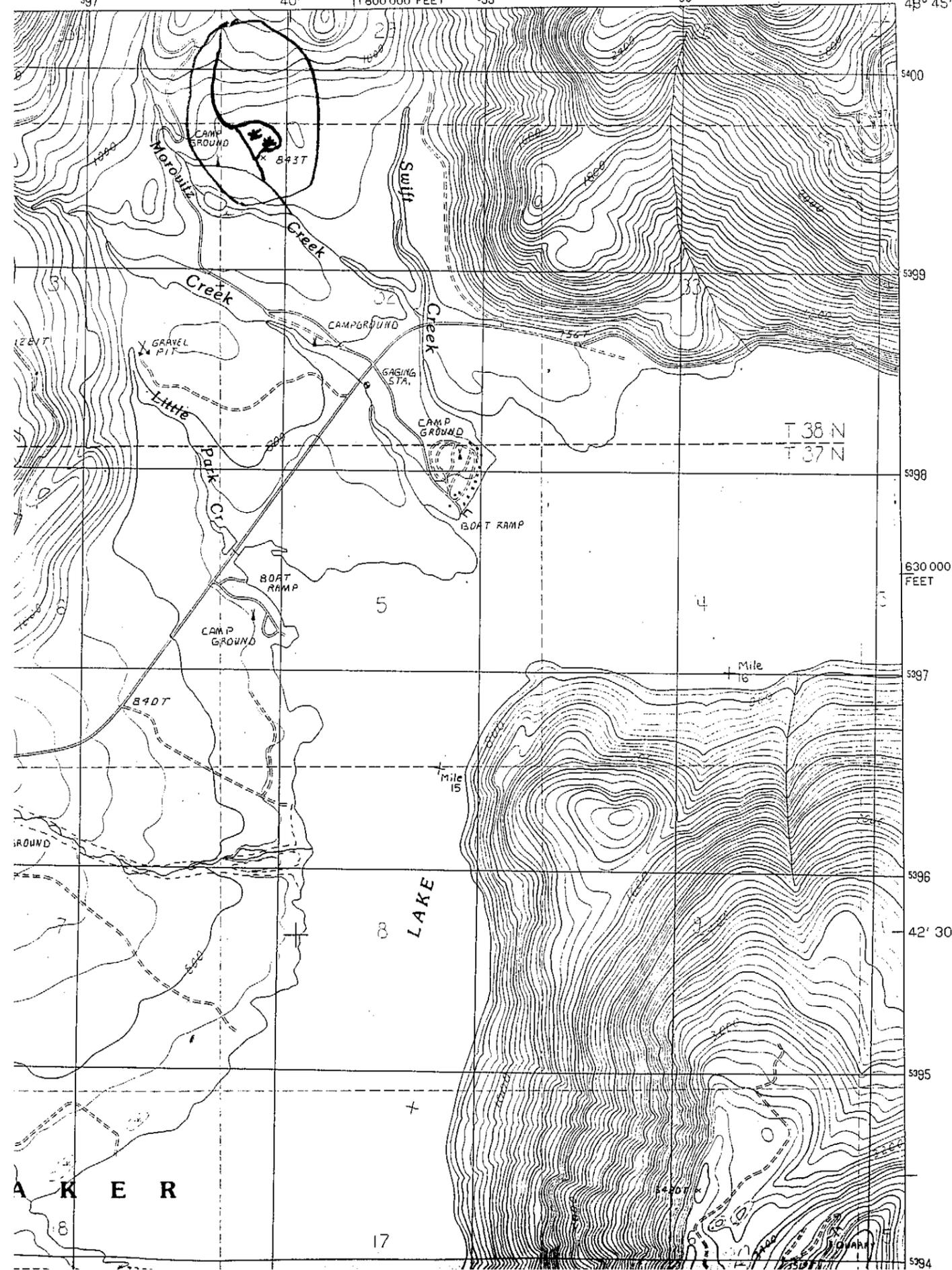
Observer(s): OLIS

Legal location: NW 1/4 S32T38NR9E



7.5 MINUTE SERIES (TOPOGRAPHIC)

597 40' 1180000 FEET 599 600 121° 37' 30" 48° 45'



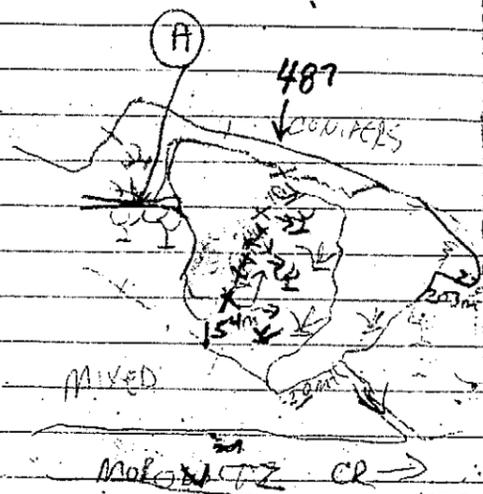
BK4RB5

RM 0.65

NW 1/4 S32 T38N R9E

TRIB TO MOROVITZ

12-3-98



00. ENTRY

FLOW - 2 CFS

WT. T - 36

RW-T - 39°

ACCESS - SM EDDY POOL

- WTR TANNIC COLOR

31m - w/ 1m RIFF

- TORO COBBLE & GR

- BRUSHY

- COULD ADULT NOSED

INTO SITE

44m w/ 4m POOL

- SANDY BOTT

- AQUATIC VEG - DOM

112m - 2m

• MASSLY POOL - 1m

• DEEP IN PLACES

• WTR FLOWS THRU

BRUSH

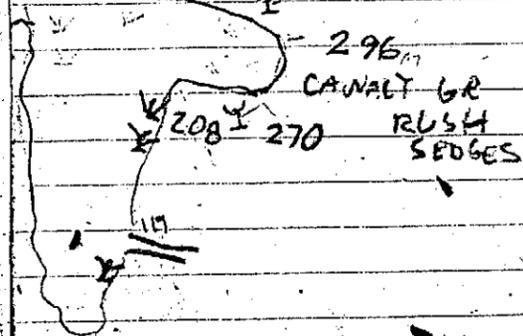
- SOME GR 1"

ONE DEAD COMO

4m² HAB

- 6" DFOP

450m 377m



SWAMP - BUR POND

- CANARY GRASS RUSH

SEDGES

- BRUSH ALL ALONG
THE EDGES

487

BUR DAM

@ 80m - WW 40m

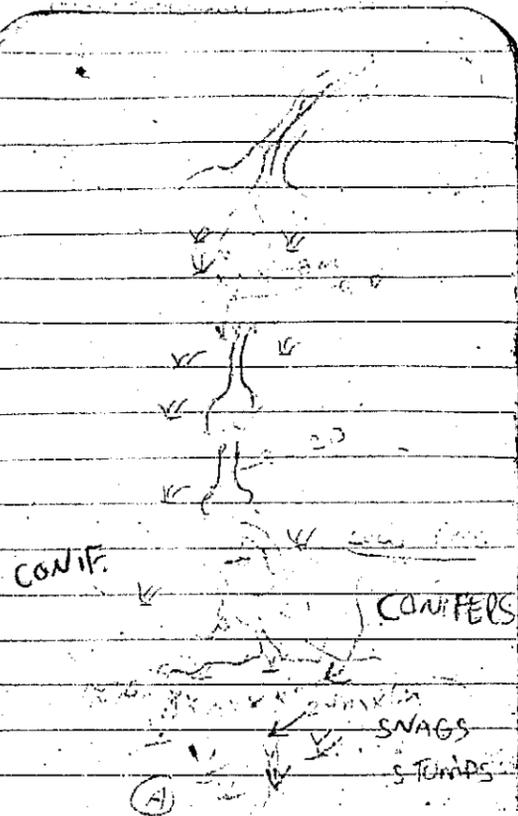
@ 15m WW 15m

- WTR SPILLING OVER

W SEVERAL PLACES

- PROB. FILLING

- FILLING SW. BELOW



FROM BVR DAM @ 24m

22m WW 5m

EXCEPT @ DAM

- 95m WW 3m

- 2 CH. THRU SWAMP

1m @ 24m

- @ 45m BVR DAM
PASSABLE

121m WW 45m

- POND

✓ @ INLET?

163m WW 4m

THRU BRUSH

- 2L - 3D - 3R

163m
4m²

- FINES → 1" GR

@ 75

175m WW 12

@ 1" BVR D

- 2

188m WW

2m²

- 3L 2D
@ 8m BVR D

201 WW 6m

- 2m²

@ 1" BVR D

224m WW 2m

- 2m²

@ 1" BVR D



254m

- 7L - 2D

- 1" F SMALL DRAW

- 2" 78 GRADE

309m WW 1.5m

- BOULDER 1" 2

- NON-HAD TRIB

ON RB

372m WW 1.5m

- 5m CRISE - 12%

- GOOD WOOD - SOME

- 2" F BOULD.

1D @ 3.55m

525m WW 1.5m

GR 2 20%

- INCREASES AIR SPD

525m EAS of
- CONO ZONE -
WTR TEMP. -37°

COMMENTS

- EXCELLENT REARING
- ADULT SPAWNER
- USING AVAILABLE
SP. HABITAT
- SURFACE & GROUND
WTR.
- YEAR ROUND FLOW
- BVR COMPLEX
- LOW FLOOD
- NO JUV. SEEN