

SITE NUMBER: B-L4-02
LOCAL NAME: West Campbell # 2
WRIA: 20.02371

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Bogachiel **DATE:** 1/26/89 **OBSERVER:** Nettnin

CHANNEL TYPE: Terrace Tributary

TRIBUTARY TO: Channel B-L4-01 (Bogachiel R. - 20.0162)

SITE LOCATION: L.B. @ River mile - 11.2 (WDF)

LEGAL DESCRIPTION: SW1/4 S20 T28N R14W

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	42 F	44 F	40 F
<u>FLOW (CFS):</u>	< 0.25	0.25 - 0.5	

SUBSTRATE TYPE: Mud and silt.

SITE SIZE: **Length-** 320 m
Width- Surface = 2 - 3 ft (excluding pond)
Channel = 4 - 6 ft (excluding pond)
Depth- 4 to 12 inches (excluding pond)

WATER SOURCE: Small seep springs.

DIRECTIONS TO SITE: Traveling north on Hwy 101 turn left just beyond MP 185 onto the G-2000. Follow the G-2000 approx. 6 miles to the G-2600. Turn left off the G-2600 onto the G-2620. A landing at the end of the G-2620 overlooks the B-L4 area (see site and site direction maps). At low river flows B-L4 is also accessible from the right bank by fording the river just upstream of Lower Campbell's bar. Turn west off of Hwy 101 about 0.6 miles north of MP 188 onto a gravel road (gate may be locked). Lower Campbell's bar is at the end of this road (see maps).

FISH ACCESS AND CURRENT USE: 0+ coho appear to have unrestricted access along the entire length of the channel. No fish were seen, however.

FLOODING POTENTIAL: Low.

LANDOWNER: Unknown at this time.

COMMENTS & RECOMMENDATIONS: B-L4-02 is a LB tributary to channel B-L4-01. The two channels diverge about 200 m above the mouth of B-L4-01. There are signs of current beaver activity along the channel. The water was somewhat dirty. This was apparently due to animal activity. Channel-ization in the areas of braided flow along with the creation of a beaded channel might be beneficial to this system. The flows in B-L4-02 may get rather low during winter dry spells. May want to set minnow traps to confirm presence of juvenile coho.

POND NAME: Campbell Pond # 3 **POND DATA SUPPLEMENT**

DATE: 1/26/89

OBSERVER: Nettin

INLET OUTLET

WATER TEMPERATURE: 44 F 42 F

POND SIZE:

LENGTH - 140 m
WIDTH - 80 m (at the wide end of the pond)
EST. MAXIMUM DEPTH - > 3 ft

WATER SOURCE: Small seep springs.

FISH ACCESS & CURRENT USE: Juvenile coho should be able to make it into this pond. No fish observed, however.

TYPE & AMOUNT OF IN POND COVER: Small amount of L.O.D. Some sedge grass around the perimeter of the pond. Depth of water also provides significant cover.

COMMENTS & RECOMMENDATIONS: This pond appears to offer very good coho winter rearing habitat. Low flow and stagnation of the water may be a problem during extended winter dry periods. The pond is large and deep enough, however, that it should maintain water throughout the winter. The water in the pond was very dirty at the time of this survey. Assumed this was due to beaver or otter activity. Should set minnow traps here to confirm presence of juvenile coho.

DATE: 2/9/89

OBSERVER: Nettin

Pond #3: Dissolved oxygen measurements were taken near the outlet and upper end of Campbell Pond # 3 (see attached map). The D.O. at the outlet of the pond was 7 mg/l. The D.O. reading in the upper pond was 6 mg/l. The water temp at both sites was at 35 F. Thick ice (3 to 5 inches) covered most of the pond. Outflow from the pond was about 0.25 cfs. Very little inflow was seen. A minnow trap was set along the west bank of the pond. The trap was set under a log in about 3 ft of water and was baited with salmon roe.

DATE: 2/10/89

OBSERVER: Young, Nettin

Fished minnow trap that was set on 2/9/89 (see above). Trap had fished for approximately 24 hrs. No fish were caught. Since no major blockages occur along this channel, one would expect to find fish Pond # 3. The thick covering of ice on the pond and very low water temperature (35 F) may have affected the catch. Should trap again when temperatures moderate.

DATE: 5/10/89

OBSERVER: Nettin

These observations were made during an extended dry period. There has been no significant rainfall since early April. The lower end of this channel (i.e. from the mouth to outlet of pond #3) is dry.

The water level at Pond #3 has dropped about 12 inches since the initial survey. The present maximum water depth appears to be about 2 to 3 ft. About 50% of the surface is covered by lily pads and canary grass is heavy around the perimeter of the pond. A water temperature taken near the outlet of the pond was 57 F and the D.O. was measured at 5 mg/l.

DATE: 4/1/90

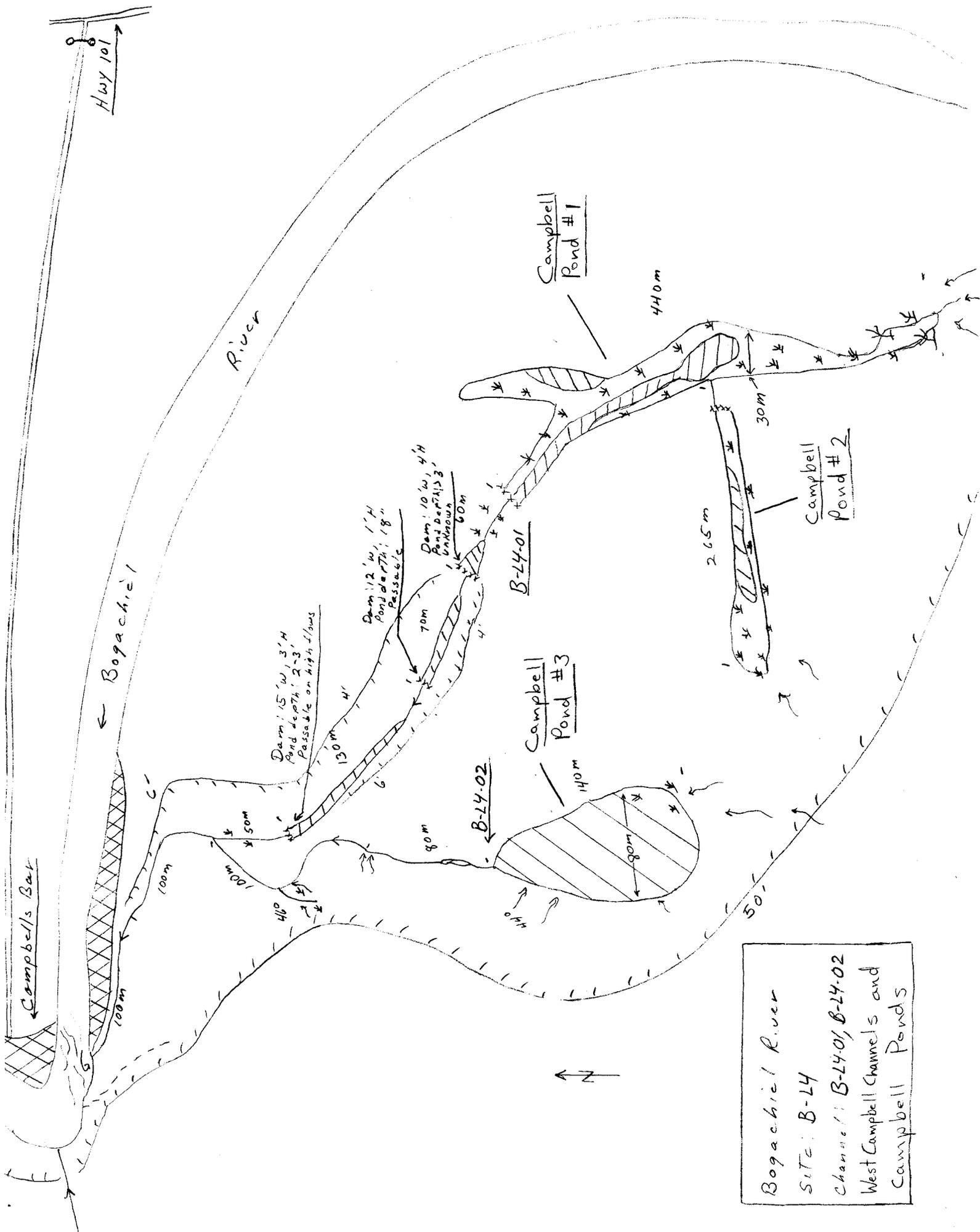
OBSERVER: Mosely/Nettin

Roger Mosely has observed heavy feeding activity in this pond. He also caught a few of the fish and they where Coho fry.

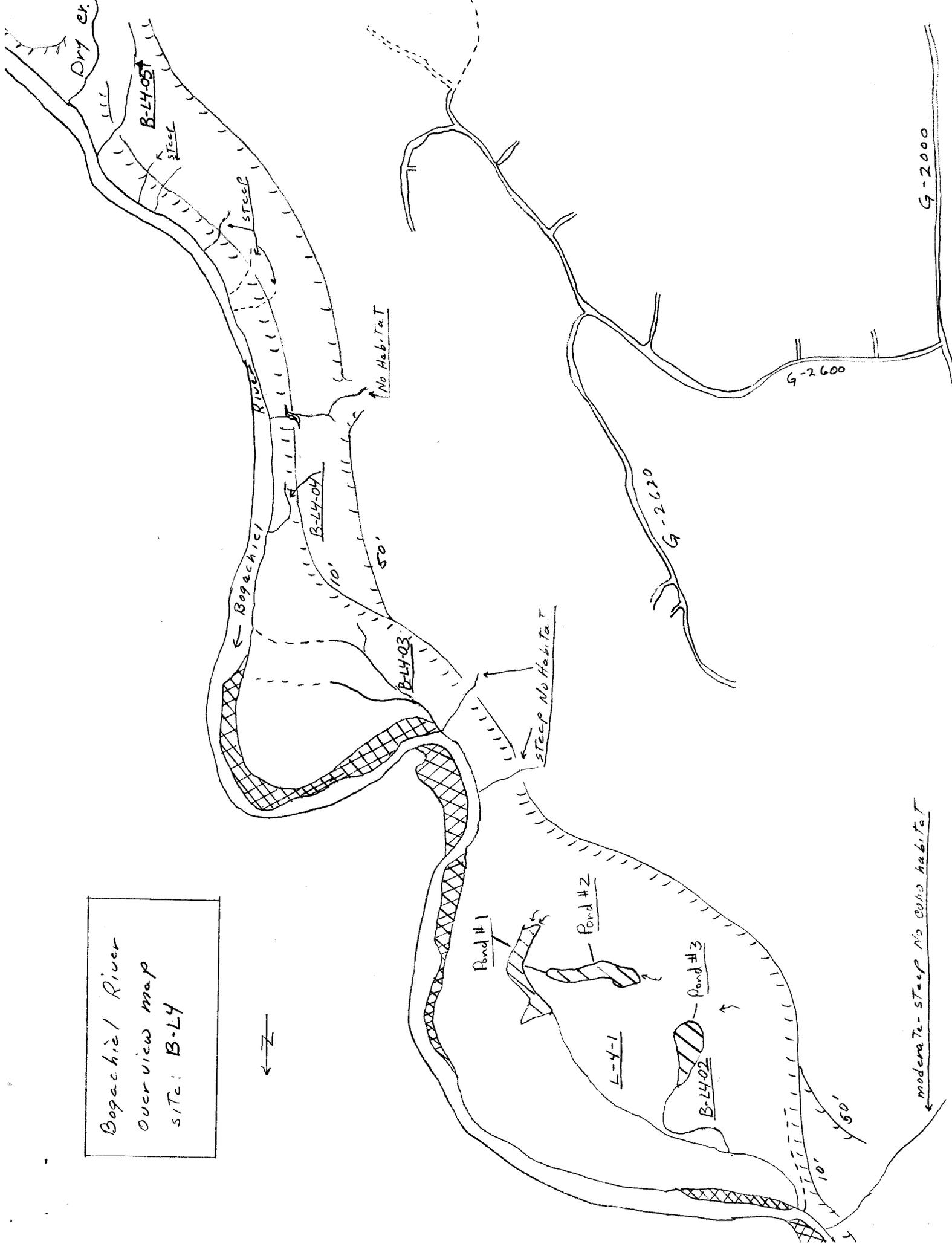
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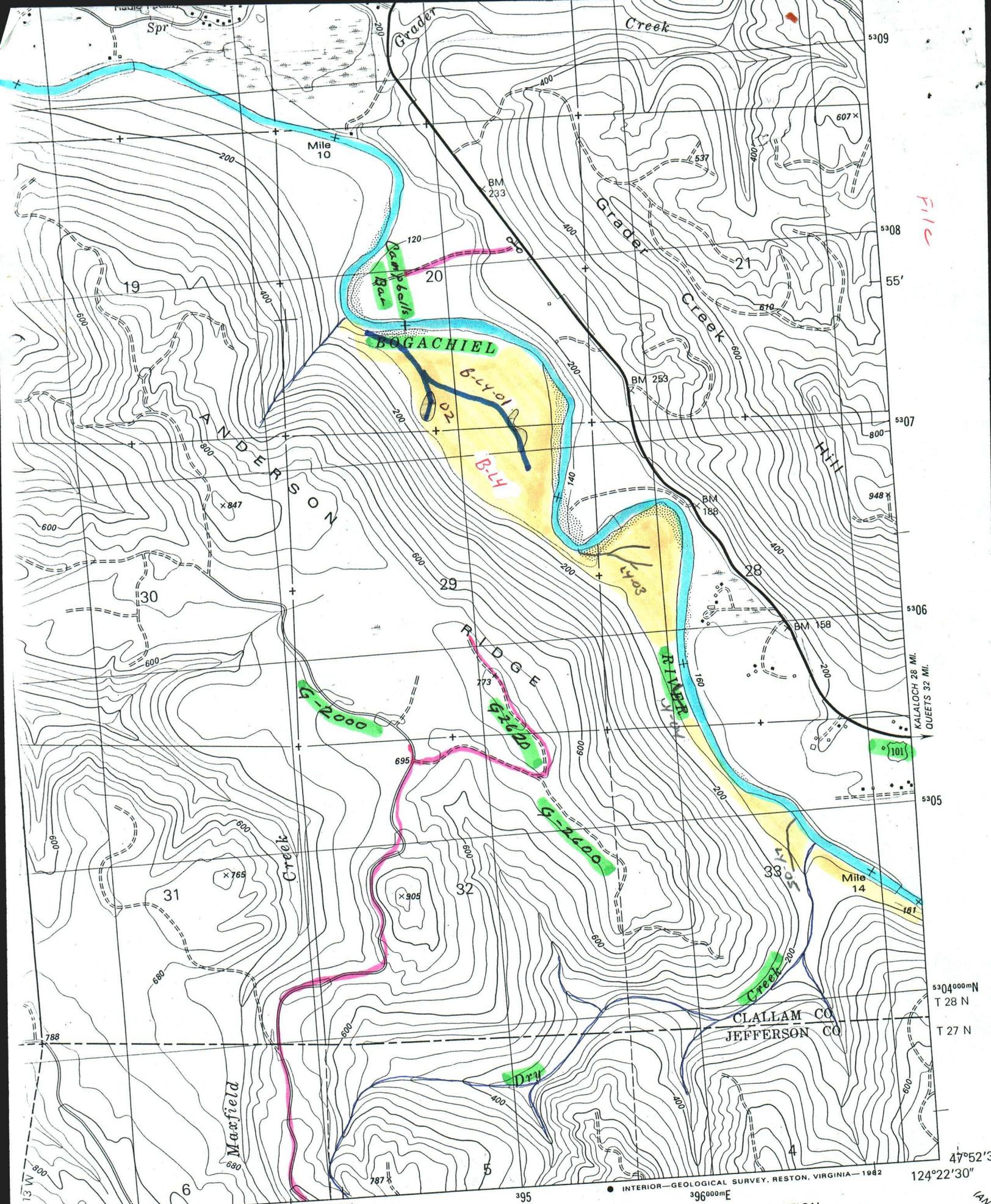
OBSERVER: King/Nettin

Smolts in outlet which is almost dry. Spring above pond could be rerouted into pond. Need to modify outlet also. Only access is from across river.



Bogachiel River
 Overview map
 sites: B-L4





HOH HEAD)
1179 IV SW
LE 1:24 000

1 MILE

ROAD CLASSIFICATION

Primary highway, hard surface
Light-duty road, hard or improved surface

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982
396000mE

124°22'30"

5304000mN
T 28 N
T 27 N

47°52'3"

(LANE 1)