

SITE NUMBER: B-R4-01
LOCAL NAME: Bogachiel Rearing Pond
WRIA: 20.0234A

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Bogachiel **DATE:** 4/89 **OBSERVER:** Young

CHANNEL TYPE: Terrace tributary (wall-based)

TRIBUTARY TO: Bogachiel River - 20.0162

SITE LOCATION: R.B. @ River mile - 8.8 (WDF)

LEGAL DESCRIPTION: NE1/4 S13 T28N R13W

UPPER END LOWER END RIVER TEMP

WATER TEMP: (No temperature data was taken)

FLOW (CFS): 0.0 > 5.0

SUBSTRATE TYPE: Appears to be primarily fine silt.

SITE SIZE: **Length-** 1850 m (determined from aerial photos)
 Width- Surface = Not determined
 Channel = Not determined
 Depth- Not determined

WATER SOURCE: Numerous large springs.

DIRECTIONS TO SITE: Head north on Hwy 101 to the town of Forks. Turn left at B Street SE (just past Pay and Save Grocery). In two or three blocks B St SE veers to the left and becomes Bogachiel Way. Stay on Bogachiel Way for approx. 2 miles until the road makes a hard left. Continue on the main road as it switchbacks down the hill and past a large housing addition. The road crosses the upper end of B-R4-01 (via a culvert) at the bottom of the hill. Continuing west to the end of the road will lead to the Dept. of Wildlife steelhead rearing pond and the lower end of B-R4-01.

FISH ACCESS AND CURRENT USE: Use of B-R4-01 by upmigrating juvenile salmonids appears restricted to that portion of the channel down-stream of the rearing pond (i.e. the lower 180 m of the channel). A self-cleaning (rotating drum) screen at the outlet of the pond blocks upstream migration. Impassable culverts at the upper end of the pond and just upstream are designed to keep the fish being reared in the pond from moving upstream. It is assumed that the seemingly high quality rearing area in the upper 1200 m of the channel is not currently utilized.

FLOODING POTENTIAL: Very low.

LANDOWNER: Wash. Dept. of Fish and Wildlife and possibly others.

COMMENTS & RECOMMENDATIONS: An extensive survey of channel B-R4-01 was not conducted due to the presence of the Dept. of Wildlife steelhead rearing pond facility. It appears, however, that a rather large area of inaccessible, high quality rearing habitat exists upstream of the pond. The information reported in this write up is based on drive-by observations and a few spot checks along the channel. Lengths were determine by aerial photographs.

B-R4-01 is an extensive, high quality, spring-fed channel and a classic example of a wall-based terrace tributary. If not for its exclusive development as a steelhead rearing pond, it would probably be a very important natural rearing area.

It is unknown to this observer if the presence of native juvenile coho and trout upmigrants in the upper reaches of B-R4-01 would have any deletrious effects on the steelhead being reared at the pond. If

the effects were minimal, however, it would seem that a small channel could be developed which would permit the upmigrating juveniles to bypass the pond and utilize the high quality rearing area upstream. Proper screening could keep returning adults from entering the bypass channel and could keep native juvenile salmonids out of the rearing pond.

POND NAME: Bogachiel Rearing Pond **POND DATA SUPPLEMENT**

DATE: 4/89 **OBSERVER:** Young

INLET OUTLET

WATER TEMPERATURE: (No temperature data was taken.)

POND SIZE:

LENGTH - 470 m (determined from aerial photo)

WIDTH - 25 m (determined from aerial photo)

EST. MAXIMUM DEPTH - > 3 ft

(If dry est. depth from high water mark on bank)

WATER SOURCE: A number of large springs were seen entering the pond from along the right bank. A spring fed terrace tributary (B-R4-01) feeds into the upper end of the pond.

FISH ACCESS & CURRENT USE: The pond is currently used as a steelhead rearing pond by the Dept. of Wildlife and appears to hold several hundred thousand steelhead smolts. The pond is inaccessible to native juvenile salmonid up-migrants.

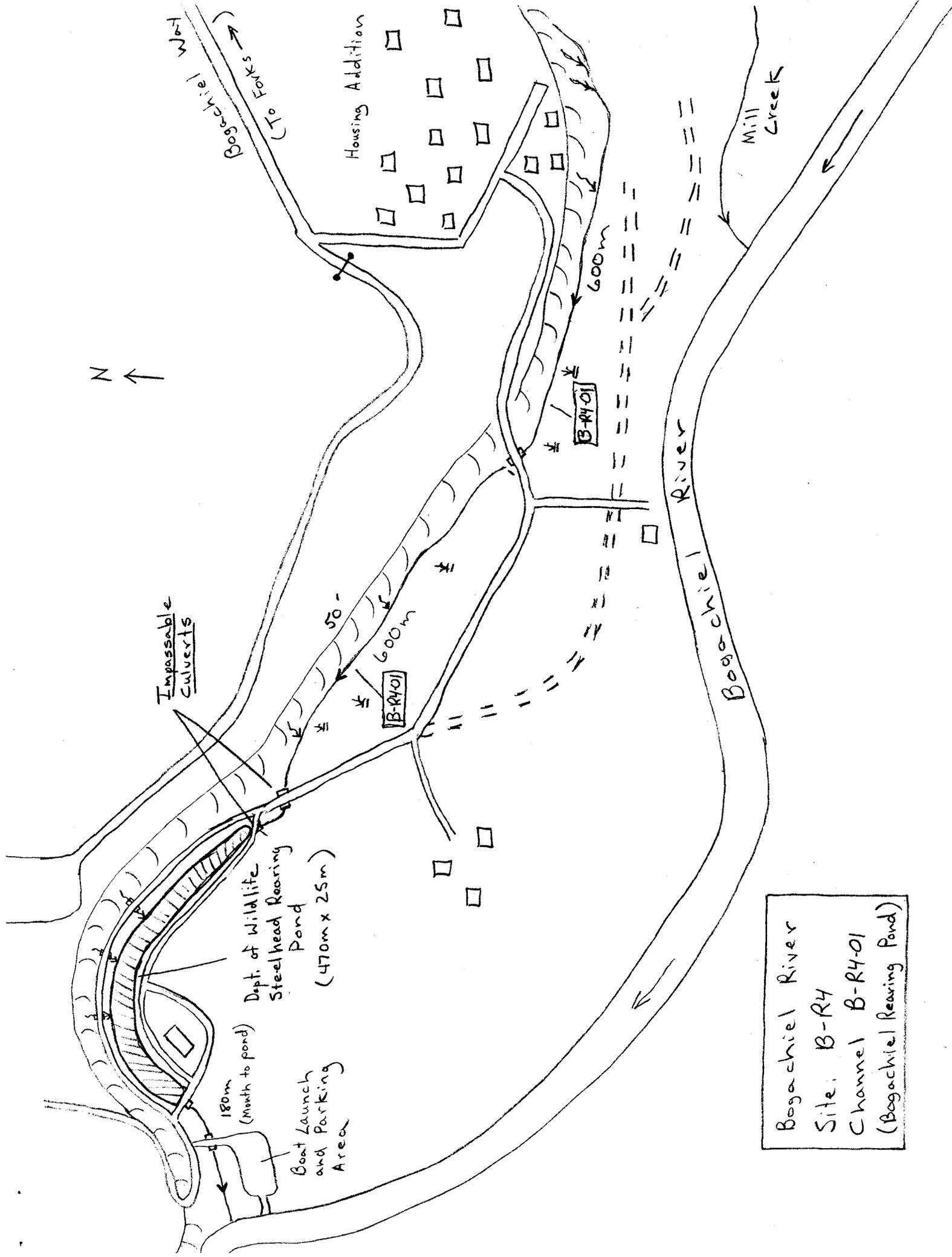
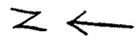
TYPE & AMOUNT OF IN POND COVER: Appears to lack significant cover other than water depth.

COMMENTS & RECOMMENDATIONS: This man-made pond is currently utilized exclusively for steelhead rearing. If this facility is ever abandoned by the Dept. of Fish and Wildlife the pond should be opened and maintained as a natural rearing area.

DATE: 8/2/89

OBSERVER: Young

The upper most reach of channel B-R4-01, just to the west of Bordie's pond and Mill Creek Springs (B-R4-02), was still maintaining a flow of between 0.25 and 0.5 cfs. The water temp in this reach was running between 10 and 11 C.



Impassable
Culverts

Dept. of Wildlife
Steelhead Rearing
Pond
(470m x 25m)

180m
(mouth to pond)
Boat Launch
and Parking
Area

Housing Addition

Mill
Creek

Bogachiel River

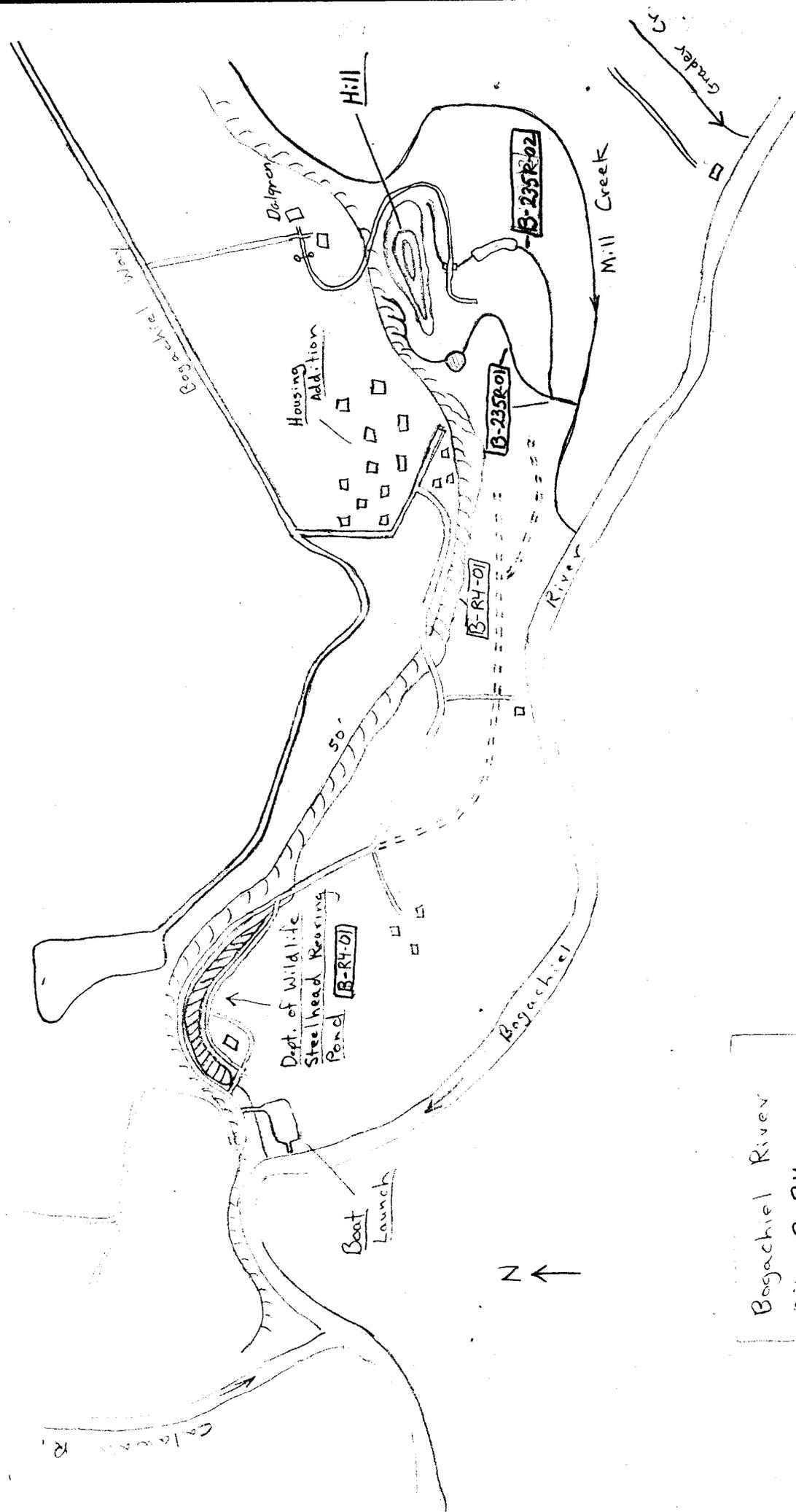
Bogachiel River
Site: B-R4
Channel B-R4-01
(Boogachiel Rearing Pond)

600m

50-
600m

B-R4-01

B-R4-01



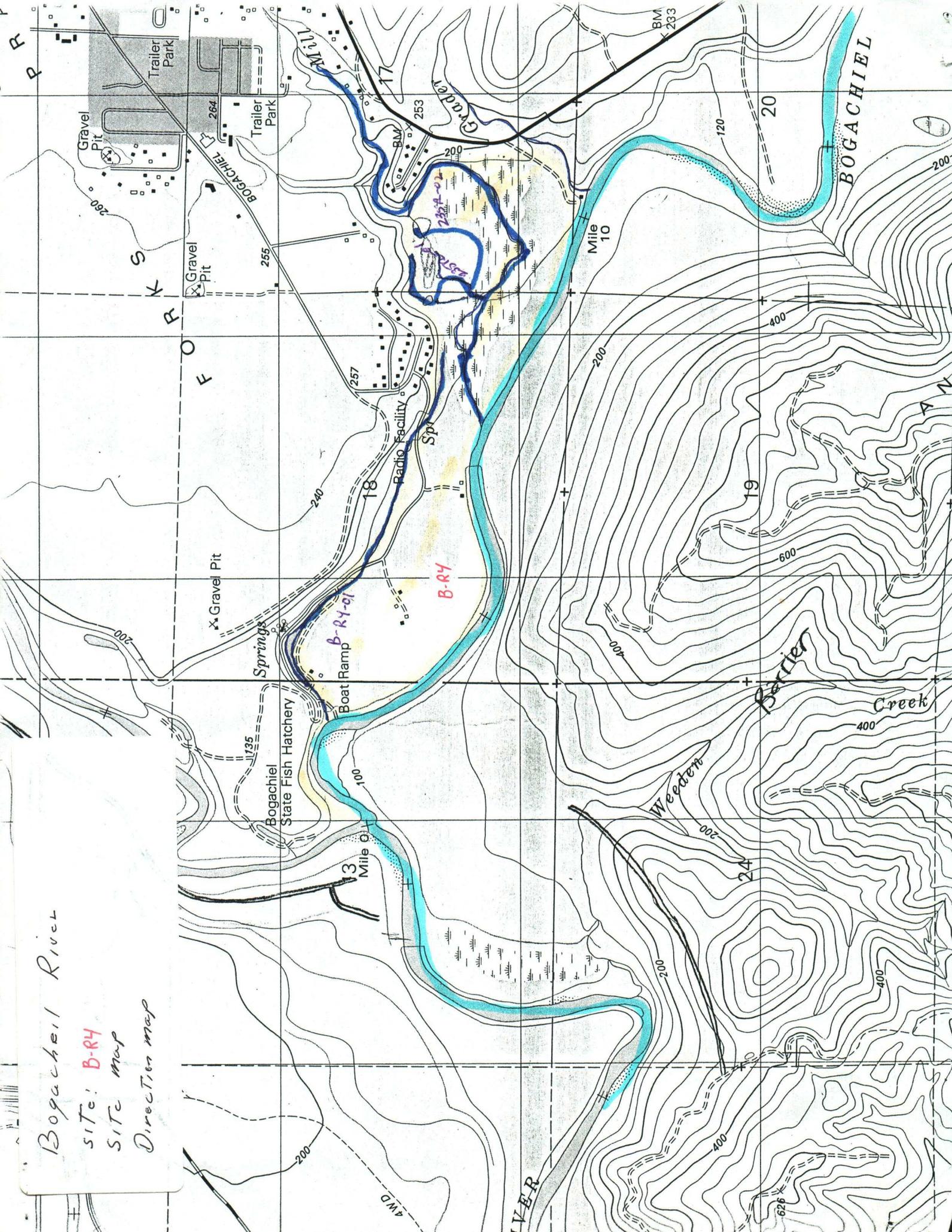
Bogachiel River
 Site B-R4
 Overview Map
 Revised 4/97

Bogachiel River

site: B-R4

Site map

Direction map



B-R4

Bogachiel River

Bogachiel State Fish Hatchery

Boat Ramp

Springs

Gravel Pit

Radio Facility

Gravel Pit

Trailer Park

Trailer Park

Weedier Creek

Saxler Creek

Mile 10

Mile 3

Mile 18

Mile 19

Mile 20

Mile 24

Mile 25

Mile 26

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