

SITE NUMBER: B-235R-02 (was B-R4-03)

LOCAL NAME: Dahlgren Springs

WRIA: 20.0235B

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Bogachiel

DATE: 4/12/89

OBSERVER: Young

CHANNEL TYPE: Terrace tributary

TRIBUTARY TO: B-235R-01 (Mill Creek - 20.0235)

SITE LOCATION: L.B. @ River mile - 0.03 (field notes)

LEGAL DESCRIPTION: SE1/4 S18 T28N R13W

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	47 F	48 F	44 F
<u>FLOW (CFS):</u>	< 0.1	1.0 - 1.5	

SUBSTRATE TYPE: Silt. Some silty gravel at mouth.

SITE SIZE:
Length- 650 m
Width- Surface = 4 to 8 ft
Channel = 5 to 10 ft
Depth- 4 - 6 inches

WATER SOURCE: 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 past a large housing addition to the bottom of the grade. Turn left at the River Inn sign (first driveway at the bottom of the hill). Halfway down the driveway an old grade takes off to the left across a fairly recent clearcut. Follow the old grade (by foot) to the eastern edge of the clearcut. Work north and east until coming to another old grade that runs along the base of a high terrace wall. Continue east. Cross channel B-235R-01 near the outlet of the pond and pick up the grade on the other side. B-235R-02 runs through a culvert and under the old grade just east of the pond outlet.

FISH ACCESS AND CURRENT USE: B-235R-02 appears to have unrestricted fish access and should accommodate coho and steelhead winter rearing. A limited amount of summer rearing may also occur in this channel. No fish were observed.

FLOODING POTENTIAL: Very low.

LANDOWNER: Joe Dahlgren

COMMENTS & RECOMMENDATIONS: B-235R-02 originates along the base of a small hill which is located just south and east of the large "headwater" springs of channel B-235R-01. A number of small springs flow into B-235R-02 the from the base of this hill.

The upper 150 m of the channel is essentially a shallow ditch which runs from east to west (toward B-235R-01) along north side of the old grade. The channel makes a hard left as it runs through a 1.5 ft diameter CMP culvert and under the old grade. Flow at the culvert was estimated at nearly 1 cfs.

Downstream of the culvert the channel runs some 200 m across an open field. A limited amount of brush provides some shade and cover.

After crossing the field B-235R-02 meanders through an area of mature alders and evergreens for approximately 300 m before joining with channel B-235R-01. Channel B-235R-02 becomes somewhat incised in this lower reach with 6 to 8 ft banks near its mouth.

While being a fairly long channel and appearing to have a stable water supply, B-235R-02 does not appear to offer a good deal of high quality rearing area. Construction of pools or small ponds along the channel could greatly increase the rearing area. Deepening and widening of the channel could also be beneficial. A good supplemental water source could be made available by diverting some of the water from B-235R-01. May want to electroshock the channel during the winter to determine the current extent of utilization.

GPS: (decimal degrees, Datum WGS84): 11/22/02

upper project - N47.93065, W124.41665

lower project - N47.92898, W124.41657

egress - N47.92825, W124.41871

DATE: 8/2/89

OBSERVER: Young

So far this has been a rather cool and damp summer. The flow of water in B-235R-02 was estimated at 0.25 to 0.5 cfs. Flows in B-235R-02 & in B-235R-01 (see Mill Creek Springs) appear to be nearly equal at the confluence of the two channels. The flow in B-235R-02 appears to fluctuate much less throughout the year than does the flow in B-235R-01. The water temp of B-235R-02 was 10 C in the uppermost reaches and 11 C at its mouth. The water temp of B-235R-01 (just above the mouth of B-235R-02) was 12.5 C. Mill Creek (just upstream of B-235R-01/B-235R-02) was 13 C.

DATE: 8/28/89

Dissolved Oxygen reading = 12.0 mg/l Temp. = 52°

DATE: 9/26/89

Still has a good flow.

DATE: 10/24/89

Flow has picked up considerably. Need to monitor throughout the winter especially during low flow periods.

DATE: 11/15/89

OBSERVER: Young, Nettin

Water temp of B-235R-02 (at its mouth) was 49.5 F. The water temp of channel B-235R-01 (just above the mouth of B-235R-02) was 49 F.

DATE: 11/22/89

Water temp. = 48 F

Shot profile from top to bottom. 1 adult coho at mouth of channel.

DATE: 2/22/90

Installed a coho smolt trap to monitor downstream migration of juveniles from this system (see trapping data for results-).

DATE: 4/2 - 4/3/90

OBSERVER: Darrow

The traps were baited with sugar cured salmon roe and set on the stream bottom in 1-2 ft of water. Small woody debris, sedge and water parsley make up in-stream cover. Salmonberry, young spruce and alder provide some shade.

Two traps were set in this channel, one above and one below the private road crossing near the source of the stream. Four coho averaging 104.5 mm in length were captured in addition to two rainbows and 11 cutthroat. This channel has extensive in-stream and bankside cover, but lacks quality pool habitat for coho.

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT			
						RBT	CUTT	0+	
1	4/2	9.5°C	4/3	10.5°C	3	0	7	0	N/A
2	4/2	9.5°C	4/3	10.5°C	1	2	4	0	N/A
TOTALS:					4	2	11	0	N/A
					Ave. coho lgth. for both traps = 104.5 mm				

DATE: Summer "90"

OBSERVER: King, Nettnin

During the summer 1990 an enhancement project was completed on this channel. The project consisted of excavating two ponds about 30m X 10m each. Woody debris in the form of stumps were added for cover and the disturbed areas were replanted. The project site, plus some adjacent wetland, was fenced to keep out cattle. A walkway was built through the project to afford the cattle access to pasture on both sides of the project and a water source for drinking.

DATE: 11/22/94

OBSERVER: Powell

Three beaver dams at this location - 1 active. The lower, active dam had ~ 2 ft head and an opening was made on this date. The middle dam (near cattle crossing) and upper dam were partially dismantled. Continued monitoring of beaver activity will be needed. No fish were observed.

DATE: 4/17/95

OBSERVER: Darrow

Two beaver dams were opened up. These dams will need to be checked periodically during migratory seasons. Started to clear young alder growing into fence. Observed coho rising in pooled area above upper beaver dam..

DATE: 10/95 thru 11/95

OBSERVER: Powell, Darrow

There are three beaver dams in the project. The upper one is the smallest and was passable but an area was still cleared on the left bank side. The middle beaver dam is very large (height and width); openings have been made on several occasions, but it is unclear if it is passable after the initial water release. The lower dam is also large but may be fish passable with openings made during higher flows. There is a beaver lodge in the project which suggests, on going problems here. The two large dams should be evaluated for removal.

DATE: 4/9/96

OBSERVER: Powell

Project is free of beavers at the present time. Nettnin dismantled lower two dams this winter and I dismantled upper dam - which was passable during higher flows. Project and structures appeared okay. Alders will need to be continually cut along fence line.

DATE: 11/4/96

OBSERVER: Darrow

Cleared some trees from fence line. Beavers have not reestablished themselves here. Observed juveniles among cover in both pooled areas.

DATE: 4/21/97

OBSERVER: Darrow

Numerous alders and alder tops were down along the lower portion, below project. None were blocking or posing any flow problems. Fence is holding up well, but there is numerous berry vines growing over it in sections and some smaller alders have fallen on it. We will clear the downed trees. No beaver activity was encountered. Observed coho smolts below cattle crossing.

DATE: 11/4/97

OBSERVER: Darrow

No blockages or recent beaver activity observed. Fence is in need of some repair. Some digging has been done in adjacent ditchline.

DATE: 4/19/98

OBSERVER: Darrow

No barriers or beaver activity. A section of fence was knocked down which the owner said he would fix; owner has been ditching adjacent fields. Lots of aquatic growth throughout the project which provides excellent cover. Observed fry and 1+ salmonids in both the project and ditches carrying spring water.

DATE: 10/29/98

OBSERVER: Darrow

Fence repairs have been made and alder was thinned along the fenceline. The owner has installed a gate to retrieve strays. Drainage ditches dug along the NE side have been filled in (possibly with a collector pipe laid in them, would have to talk to landowner for details). Good flow. No beaver dams or barriers were encountered. Problems include: one walk-through on SW side has a post that is rotted off; fence corner closest to the road needs a post and some wire strung along the bottom the bottom spanning the ditch line. Calves can enter the riparian zone there. Salmonids were observed along the ditch flowing to the right side of the road.

DATE: 4/19/99

OBSERVER: Darrow

Flow was good and no beaver activity was encountered. Fence and walk-throughs needed some repair- which was done, 5/99.

DATE: 10/16/99

OBSERVER: Darrow

Beaver activity has resumed. There were 3 dams along the system; two in the project and 1 in the timber. Fence and walk-arounds are okay but there are few small alders on the fence due to beaver logging. Site will need periodic checks.

DATE: 4/17/00

OBSERVER: Darrow

Fence around the system is intact and okay. Alder and willows have been thinned away from the fenceline. Beaver dams had been breached earlier and some rebuilding has taken place. Observed some rises on the ponded portion of the system and saw some smolts along the road ditch flow.

DATE: 10/31/00

OBSERVER: Darrow

System looks good. No barriers were encountered - beaver activity has not taken place here for awhile. Good flow. Observed juvenile salmonids in ditchline flow along access road.

DATE: 3/12/01

OBSERVER: Darrow

Record low precipitation this winter and early spring but flows are good at this site. Controls clear of obstructions. Land owner continues to dig right bank side of system, in the field. Fence posts do not have much soil around them on that section but are still standing. Observed fish along the ditchline flow.

DATE: 10/17/01

OBSERVER: Darrow

No beaver activity observed. The fence and walk through spots need some work. The thinner cedar post may be rotting below soil level. Brushing and thinning around fence area is needed.

DATE: 12/4/01

OBSERVER: Darrow

The Pacific Coast Salmon Coalition distributed about a tote of salmon carcasses throughout this site for nutrient enrichment.

DATE: 4/27/02

OBSERVER: Darrow

Overall, the system looked good. No recent beaver activity. Observed a school of nice looking coho smolts in the lower end of the project. Adjacent road had oil soaked wood chips for about 14 feet. Field side ditch water had an oil sheen. Contacted property owner and they said it would be cleaned up.

DATE: 11/22/02

OBSERVER: Powell

Site is okay and clear to the egress. Fence has lots of growth around and through it.

GPS: (decimal degrees, Datum WGS84):

upper project - N47.93065, W124.41665

lower project - N47.92898, W124.41657

egress - N47.92825, W124.41871

DATE: 5/21/03

OBSERVER: Powell

Site is clear. Fry were observed in the upper end of the system.

DATE: 11/6/03

OBSERVER: Nettnin

Project looks good. Fence is in good shape. Forty plus elk in the pasture.

Bogachiel R.

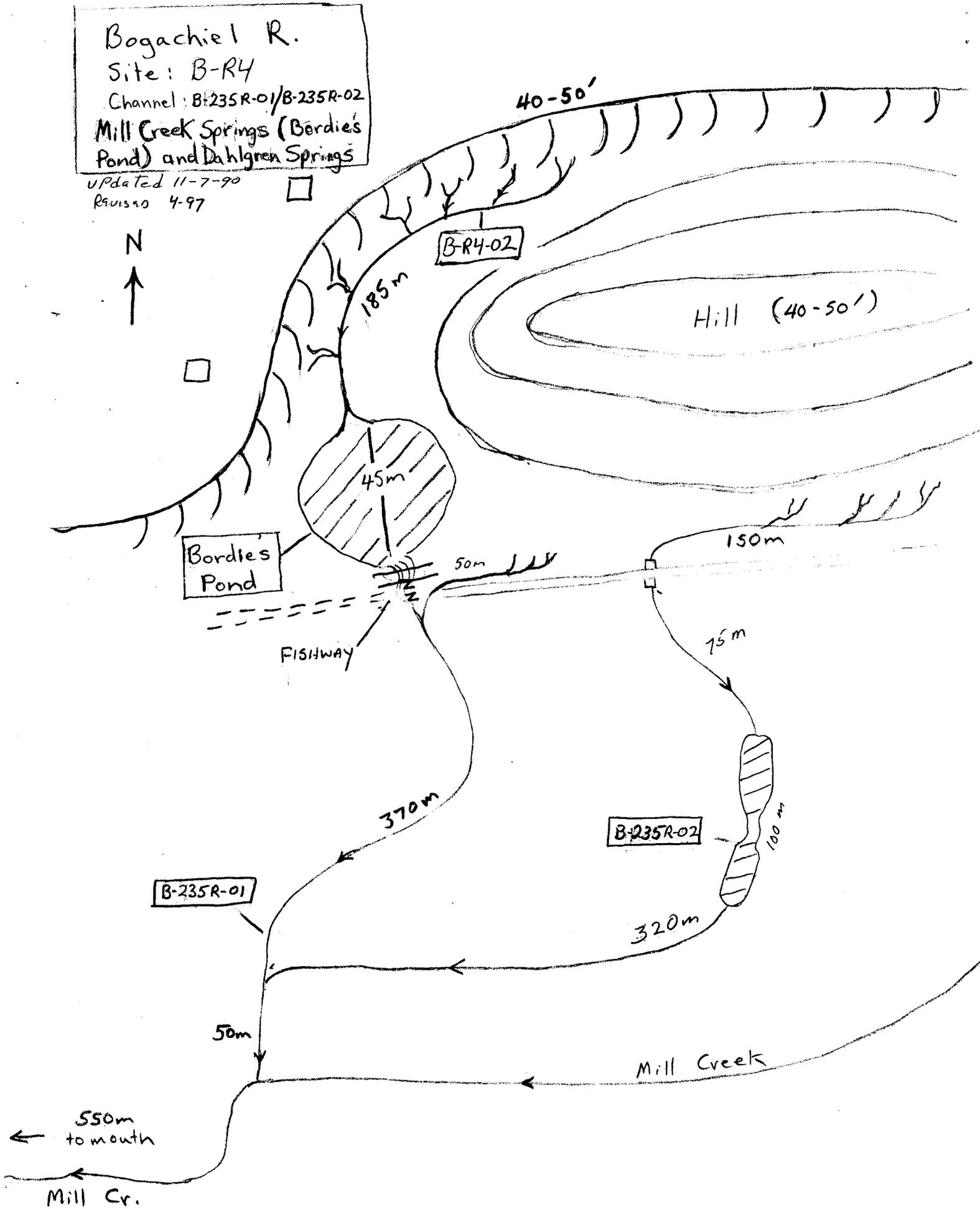
Site: B-R4

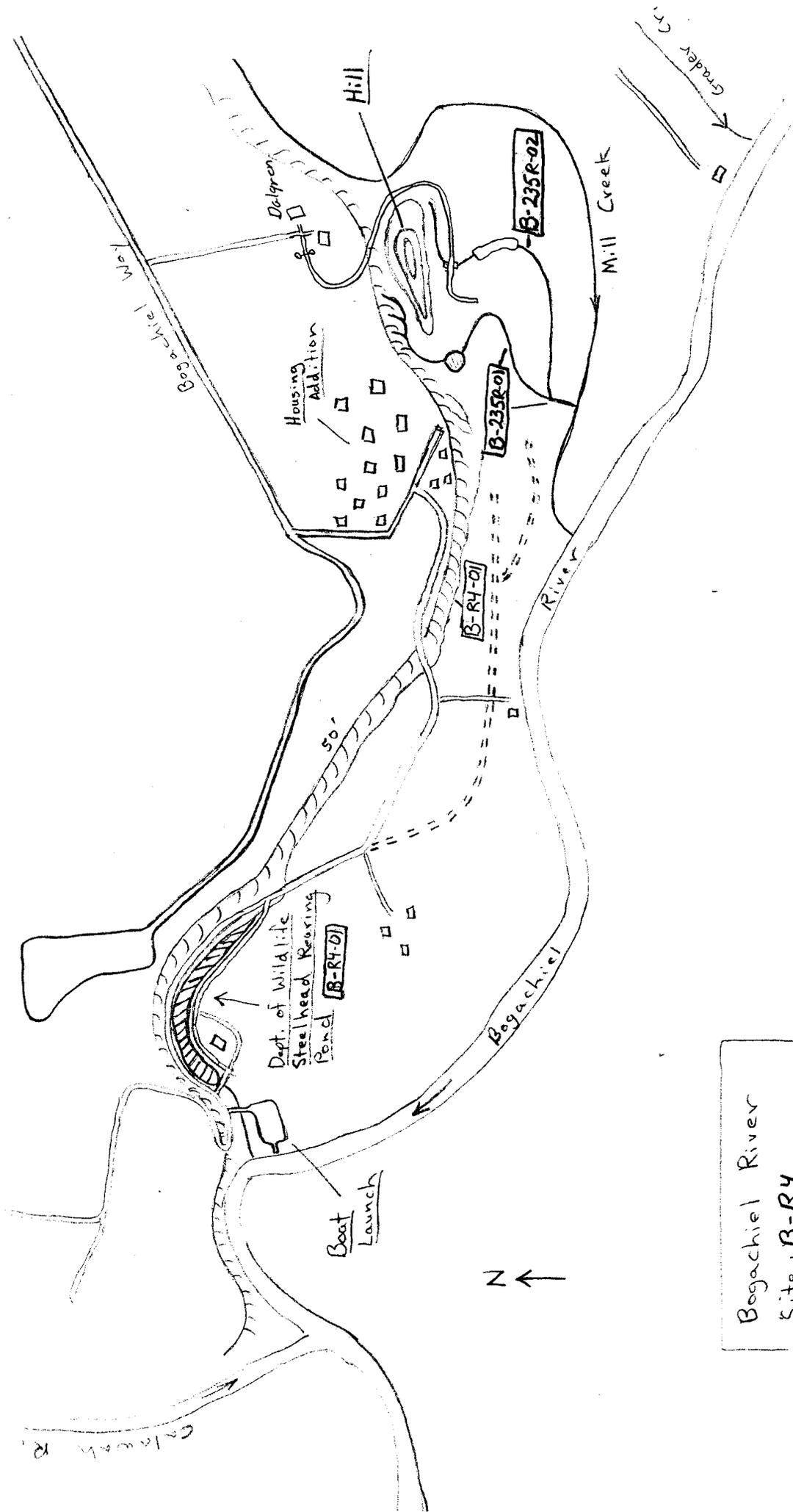
Channel: B-235R-01/B-235R-02

Mill Creek Springs (Berdie's Pond) and Dahlgren Springs

Updated 11-7-90

Revised 4-97





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

Bogachiel River

site: B-R4

Site map

Direction map

