

SITE NUMBER: B-250L-01 (was B-R9-02)

LOCAL NAME: Morganroth Springs

WRIA: 20.0250A

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Bogachiel R. **DATE:** 9/25/89 **OBSERVER:** Nettnin

CHANNEL TYPE: Terrace trib.

TRIBUTARY TO: Morganroth Cr. (20.0250)

SITE LOCATION: R.B. @ River Mile: 0.36 (WDF)

LEGAL DESCRIPTION:

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	56 F (standing)	54 F	56 F

FLOW (CFS): < 0.25 (Backwater from creek.)

SUBSTRATE TYPE: Below the trail channel is scoured to parent material (hardpan) with some loose gravel. Mostly silty mud above the trail.

SITE SIZE: **Length-** 670 m to marsh (hip chain). Marsh = 600 m (from photo)
Width- Water surface = Dry Channel = 10-14 ft.
Depth- Dry

WATER SOURCE: Springs and valley wall trib.

DIRECTIONS TO SITE: Head north from Grays Harbor on Hwy 101. Turn right at M.P. 186 onto Undie Rd. Proceed east for approx. 6.0 miles until coming to the Bogachiel trail head (just before the Forest Service gate on Undie Rd). Park at the trail head and proceed down the trail to the valley floor. After crossing a small trib (B-250R-01) and then Morganroth Cr. the trail converges with an old grade. The lower reach of B-250L-01 lies between the grade and the Bogachiel R.. Continuing toward the Park, the trail (grade) crosses B-250L-01 at the first culvert. (Follow sign that is located on the trail that reads 'Wetland Interpretive Site' to reach project site.)

FISH ACCESS AND CURRENT USE: Appears fish have good access into B-250L-01. Coho fry were seen in the ponded near the mouth. Unidentified juvenile salmonid were also seen in the upper reaches of the marsh.

FLOODING POTENTIAL: Low

LANDOWNER: Unknown

COMMENTS & RECOMMENDATIONS: The local name, Morganroth Springs, is somewhat misleading since most of the water in B-250L-01 seems to come from a valley wall trib. Only a small amount of water actually emanates from springs.

The lower reach of B-250L-01 meanders through mixed conifer and deciduous forest. The channel is incised, with 6-8 ft high banks, and averages 10-14 ft wide. It is mostly scoured to hardpan with a few patches of exposed gravel. Cover is limited.

Upstream of the trail B-250L-01 takes on a different look. Here the channel is not as incised or scoured. The banks are lower with overhanging shrubs, sedges and woody debris to provide cover. The channel is still wide quite wide, however.

Continuing upstream the meandering channel heads into a large, shallow marsh. The marsh is generally wall-based and receives part of its water from a number of small springs. The maximum water depth appears to be 12-18 inches. The lower reaches of the marsh are overgrown with sedges. Sedges, young

alder and willow are becoming established upper reaches which are a little more channelized. Maximum water depth in this channelized portion of the marsh appear to be in excess of 3 ft.

A stream of up to 4-5 cfs feeds into the upper end of the marsh from off of the valley wall. This upper most reach flows through old growth timber and is probably on Forest Service property.

Channel beading in the marsh would probably help over winter survival. Need to follow up during dry spells in winter to verify.

A sign nailed to a tree at the outlet of the marsh indicates that a Coho and Steelhead survey is conducted on this trib. by the QFD. May want to check with them for prior history of fish utilization.

GPS: (decimal degrees, Datum WGS84):

N47.88163, W124.26988 – fishway

DATE: 4/3 and 4/4/90

OBSERVER: Darrow

Three traps were baited with sugar cured salmon roe and set on the stream bottom at three locations. Water depths varied from 30 cm to 60 cm. Instream cover is mostly woody debris with some aquatic vegetation and overhanging brush.

Three traps were set in this stream between the center of the marsh and the Bogachiel trail crossing. Three coho with a mean length of 104.7 mm were captured. This channel is dry during the summer months, but is productive winter habitat for spawning and juvenile rearing. The lower end of this channel has been a North Coastal adult coho index for 10 years.

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		TROUT			
						RBT	CUTT	0+	
1	4/3	8.0°C	4/4	9.0°C	1	1	0	0	0
2	4/3	9.5°C	4/4	9.0°C	1	2	0	0	0
3	4/6	8.5°C	4/8	7.5°C	1	0	0	0	0
TOTALS:					3	3	0	0	0

DATE: 11/19/91

OBSERVER: Nettin

During Sept. of 91, a wooden dam and fishway were constructed at the outlet of the marsh. The dam will flood the marsh with about two feet of water and will also enlarge the overall size of the marsh thus increasing the overall rearing area.

DATE: 1/19/92

OBSERVER: Darrow

Eight minnow traps were baited with salmon roe and set in the pond behind the Morganroth fishway. 20 coho and 14 cottids were captured. No trout were caught.

DATE: 4/1/92

OBSERVER: King

No spill over weir.

DATE: 6/15/92

OBSERVER: King

Water level right at top of upper notch in fishway. Channel is dry about 30' downstream from streambed control. Lots of dead coho fry and 2 adult lamprey in dry hole about 40' below control. No other dead fry seen from this point down to road crossing. Lots of live fry in pool just below control.

DATE: 6/16/92

OBSERVER: King

Water at same level as yesterday. Netted 330 coho fry from pool below control and planted them into the pond above fishway.

DATE: 7/92

OBSERVER: King

Pond is dry. Record low precip. for March and May has taken it's toll.

DATE: 9/30/92

OBSERVER: King

3-4" of rain last week. Flowing well. Channel watered to at least road crossing.

DATE: 10/28/92

OBSERVER: Young

A beaver had blocked the upper end of the fishway. Under these conditions the fishway appeared to be impassible for juvenile coho (or at least greatly restricted). Water level upstream of the fishway was up one foot but no water was yet running over the spillways. I was able to remove most, if not all, of the beaver debris.

DATE: 12/19/92 - 12/20/92

OBSERVER: Darrow

The minnow traps were baited with salmon roe that was acquired at the Solduck Hatchery. This has been a dryer then normal fall.

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		RBT	CUTT	0+	
1	12/19	5.0°C	12/20	6.0°C	1	3	0	0	2
2	12/19	5.0°C	12/20	6.0°C	0	2	1	0	0
3	12/19	5.0°C	12/20	6.0°C	1	0	0	0	0
4	12/19	5.0°C	12/20	6.0°C	2	0	0	0	0
5	12/19	5.0°C	12/20	6.0°C	0	0	0	0	0
6	12/19	5.0°C	12/20	6.0°C	0	0	1	0	20
TOTALS:					4	5	2	0	22

DATE: 5/28/93

OBSERVER: King

Lots of coho fry from dam downstream to old grade. Good flow. Beaver debris in upper notch of fishway was removed.

DATE: 10/26/93

OBSERVER: King

Fishway was flowing. Guage at 0.4'. There was no flow one week ago. 3+ inches of rain over the past weekend.

DATE: 4/28/94

OBSERVER: Nettnin

The pond is full and flowing. There is a beaver working in the pond and has the fishway partially plugged. This was modified to increase flow so fry could pass if they desired. Several hundred fry were observed below the project.

DATE: 11/22/94

OBSERVER: Powell

Everything looked good. Gauge at fishway read 0.89 and no water was spilling over dam boards. Coho redd ~50 ft below fishway.

DATE: 3/26/95

OBSERVER: Darrow

Control dam had some windfall debri partially blocking notches. They were cleared off. Gauge reading 0.9. Observed several salmonids darting for cover while walking downstream from control.

DATE: 12/6/95

OBSERVER: Powell

The pond gauge was 0.99 and there was no water flowing over dam boards. Water temperature was 4° C and there were caddis walking over filter fabric on dam boards. There was a small amount of erosion around the right bank side of plank control which is below fishway; a small amount of rock would fix it. Six to ten coho adults and numerous redds were observed in the channel. There was also a school of 8 whitefish below one of the redds.

DATE: 4/25/96

OBSERVER: Powell

The pond gauge was 1.29 and water was spilling over dam boards. We were experiencing a freshet and everything was pumped up. Water temperature was 8° C. Fishway and plank control look fine. No fish were observed due to rain.

DATE: 11/15/96

OBSERVER: Powell

The pond was near top of dam boards but was not flowing over them. There was some beaver debris in fishway but it was not a blockage - I cleared it all out. Plank control below fishway is fine; there is evidence of water flowing around the LB side during high flows. Saw adult coho below fishway.

DATE: 3/26/97

OBSERVER: King

Everything looks good here. No debris in fishway.

DATE: 9/19/97

OBSERVER: Nettnin

Project looks good no sign of leakage.

It was communicated to me by Mr. Haag that there is a leak in the fishway, will check it in spring or at lower flows.

DATE: 1/20/99

OBSERVER: Darrow

Cleared some drift sticks from the fishway, it looked good. Numerous tribal spawner flags (18 to 20) along the channel, downstream of the fishway. The river has widen significantly at the egress of Morganroth and has numerous uprooted trees going upstream along the river. Observed juvenile salmonids in the pond and darting for cover in the channel.

DATE: 4/25/99

OBSERVER: Darrow

Fishway was structurally okay. A smaller alder windfall landed upstream of the fishway and drifted against the outlet notch. Was able to pull tree back a few feet. All other controls were fine. Observed numerous coho fry in the channel, downstream of the fishway.

DATE: 10/21 - 11/16/99

OBSERVER: King

Removed beaver debris from fishway on both occasions. Everything still appears to be intact.

DATE: 4/29/00

OBSERVER: Darrow

Beaver had plugged ninety percent of the flow through the top notch in the fishway. Plywood and boards were bowing outward noticeably due to the water pressure. Cleared the debris. Observed a few smolts near the lower end. Saw fry in both lower bays between controls.

DATE: 3/25/01

OBSERVER: Darrow

Beaver had upper notch of fishway plugged so the majority of water was flowing over the dam boards. Cleared the majority of the debris. Downstream, there were numerous spawner flags but did not observe any fry. Did observe some smolt size salmonids near the trail crossing.

DATE: 9/24/01

OBSERVER: Nettnin

There were a few sticks in the fishway that were removed. Presently, flow is low and not flowing through the fishway.

DATE: 4/3/02

OBSERVER: Nettnin

Everything looks good. There is a trail being built to the wetland.

GPS: (decimal degrees, Datum WGS84):

N47.88163, W124.26988 - fishway

DATE: 11/27/02

OBSERVER: Nettnin

There is some beaver debris and a large chunk of wood partially blocking the fishway. Will need to cut it up or winch it out into the pond. This work is scheduled for 03.

DATE: 3/27/03

OBSERVER: King

Removed beaver debris and logs from the upper end of the fishway.

DATE: 10/30/03

OBSERVER: Nettnin

Looks good.

Bogachiel River

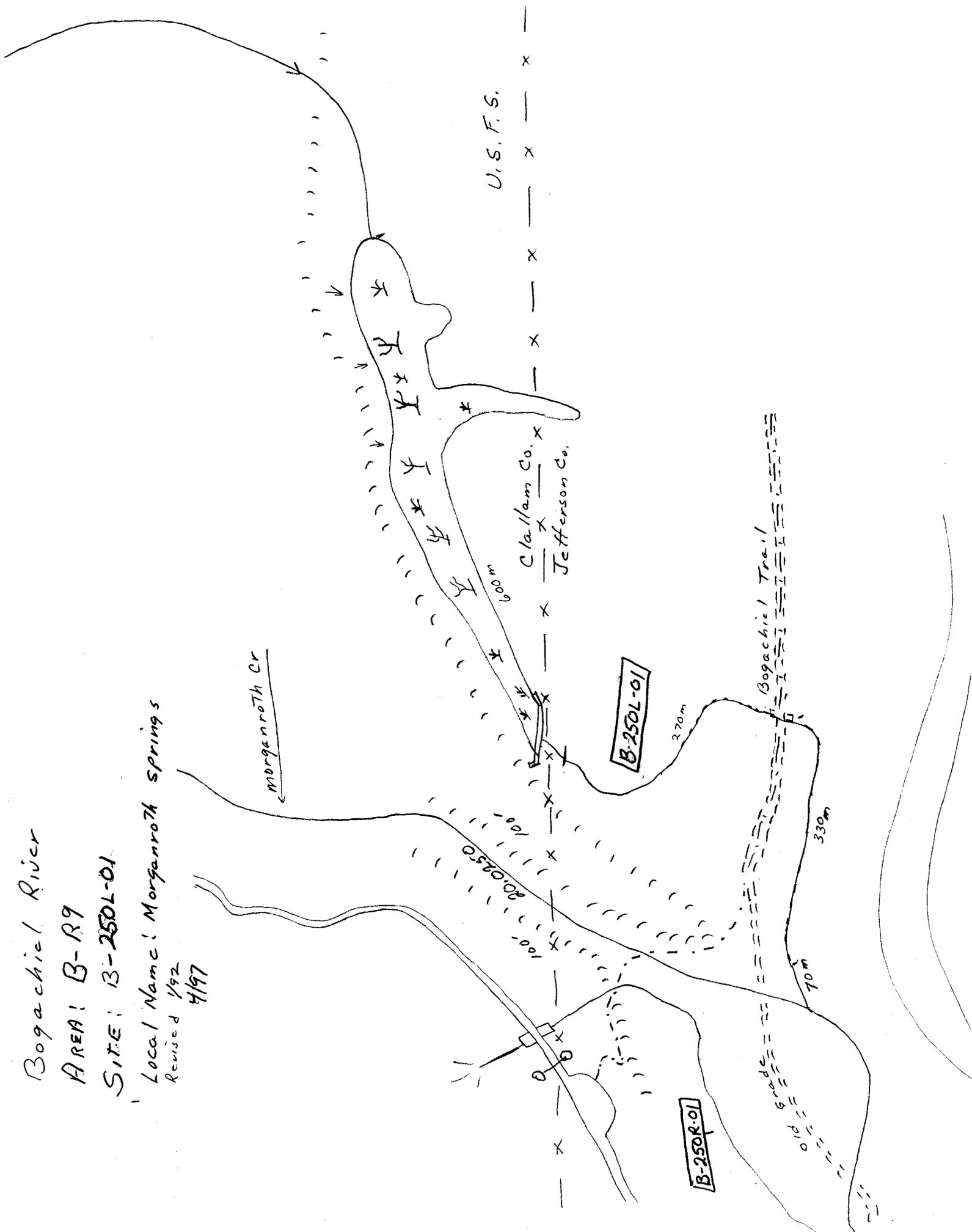
AREA: B-R9

SITE: B-250L-01

Local Name: Morganroth Springs

Revised 1/92

4/97



Bogachiel River

Over view map

AREA: B-R9

Rev 4/97

