

SITE NUMBER: B-241L-01 (was B-R7-03)

LOCAL NAME: LaForest Gravel Pit Pond

WRIA: 20.0241B

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Bogachiel **DATE:** 7/26/89 **OBSERVER:** Young

CHANNEL TYPE: gravel pit pond.

TRIBUTARY TO: N/A

SITE LOCATION: R.B. Bogachiel River @ RM - 16.4 (WDF)

LEGAL DESCRIPTION:

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	Pond ranged from 68 to 70 F (A temp of 74 F was taken 7-13-89)		58 F

FLOW (CFS): 0.0 0.0

SUBSTRATE: Gravel and silt.

SITE SIZE: A small irregular-shaped pond with an approximate surface area of 700 to 800 sq. meters
Depth- > 3 ft (may be considerably deeper in winter).

WATER SOURCE: Groundwater.

DIRECTIONS TO SITE: Heading north on Hwy 101, turn right at mile post 186 (i.e. just north of the Bogachiel bridge and directly across from Bogachiel State Park) onto Undie Rd. The road crosses the outlet of Undie Lake 1.5 miles southeast of the 101 junction. Turn right just past the Undie Lake outlet onto a gravel road which leads to the pit.

FISH ACCESS AND CURRENT USE: None.

FLOODING POTENTIAL: Very low.

LANDOWNER: Unknown at this time.

COMMENTS & RECOMMENDATIONS: This small, isolated, gravel pit pond has just recently been excavated. It is located in a recently logged area to the west of Undie Rd. and south of the Undie Lake egress channel. Future expansion of the pit and pond may be likely. There is currently no egress channel from the pond. The water in the pond is fairly deep and appears to be of good quality. The high water temperature, however seems to indicate little in the way of water movement. The banks of the pond are quite steep. The present water surface is some 8 to 10 ft below the surrounding ground surface.

If sufficient perk occurs in this area, it may be desirable to connect B-241L-01 to the Undie Lake egress channel (B-241L-02). Further expansion of the pit might be conducted with this in mind.

GPS: (decimal degrees, Datum WGS84): 11/17/02
upper project - N47.88708, W124.34529
egress - N47.88789, W124.3479

DATE: Fall 1989 to Spring 1990

Summary of TBM readings for B-241L-01 (Laforest Pond)

TBM	POND	
11/7/89	100.0	93.50
11/8/89	100.0	94.60
11/15/89	100.0	94.36

11-8-89 TBM = 4.6 ft Water surface = 10.0 ft WS - TBM = 5.4 ft.
11-15-89 TBM = 4.6 ft Water surface = 10.2 ft WS - TBM = 5.6 ft.
11-30-89 Hub was driven. (*)
12-6-89 " " " (*)
1-16-90 TBM = 4.1 ft Water surface = 11.0 ft WS - TBM = 6.7 ft.
3-21-90 TBM = 4.4 ft Water surface = 12.1 ft WS - TBM = 7.7 ft.
4-12-90 TBM = 4.4 ft Water surface = 14.5 ft WS - TBM = 10.1 ft.
4-26-90 TBM = 3.7 ft Water surface = 13.1 ft WS - TBM = 9.4 ft.
5-15-90 TBM = 3.7 ft Water surface = 13.4 ft WS - TBM = 9.7 ft.
6-14-90 TBM = 3.7 ft Water surface = 11.6 ft WS - TBM = 7.9 ft.

(*) Engineers took these readings

DATE: Summer 1995 & 1996

OBSERVER: King

The existing gravel pit pond was deepened and expanded and an 800 foot long channel was built to connect the pond to Bear Creek. Four log controls were installed in the channel along with spawning gravel, pool sections, and woody debris. A large boulder was placed in Bear Creek just above the mouth of the channel and a large log was connected to the boulder and tied off to the streambank.

DATE: 8/11/97 - 8/13/97

OBSERVER: Nettnin

Added cover structures throughout the channel and ponds.
Removed trapping material and delivered to storage.

DATE: 12/8/97

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH			COTTID
	SET	TEMP	PULLED	TEMP		RBT	CUTT	0+	
1	12/7	7.0°C	12/8	7.0°C	1	0	0	0	37
2	12/7	7.0°C	12/8	-	1	0	0	0	34
3	12/7	7.0°C	12/8	-	0	0	0	0	31
4	12/7	7.0°C	12/8	7.0°C	0	0	0	0	0
5	12/7	7.0°C	12/8	7.4°C	0	0	0	0	27
6	12/7	7.0°C	12/8	7.4°C	0	0	0	0	8
7	12/7	7.0°C	12/8	7.4°C	0	0	0	0	8
8	12/7	7.4°C	12/8	7.4°C	2	0	0	0	6
9	12/7	7.4°C	12/8	7.4°C	3	0	0	0	12
10	12/7	7.4°C	12/8	7.4°C	2	0	0	0	2
TOTALS:					9	0	0	0	165

COMMENTS:

- Trap 1 was placed 100m from confluence with Bear Cr.
- Trap 2 was placed 75 - 80 m below "V" log control.
- Trap 3, 4 and 5 were placed in the middle reach of downstream pond.
- Trap 6 was placed on the left bank, middle reach of upstream pond.
- Trap 7 was placed on the left bank, upper reach of upstream pond.
- Trap 8 was placed on the right bank, upper reach of upstream pond.
- Trap 9 was placed on the right bank, middle reach of upstream pond.
- Trap 10 was placed on the right bank, lower reach of upstream pond.

LAFOREST - COHO FORK LENGTHS (mm)			
Trap 1	99		
Trap 2	102		
Trap 8	96	91	
Trap 9	95	108	97
Trap 10	100	81	
AVG	96.55	STD	7.53
MIN	81	MAX	108

DATE: 3/17/98

OBSERVER: Darrow

Algae bloom in progress. Will cuttings are not rooting well along mid portion of channel banks. Outflow at confluence with creek is ~1 - 1.3 CFS. Observed coho juveniles. 4/98 - observed fry throughout the whole channel

DATE: 4/19/98

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						RBT	CUTT	0+	
1	4/18	10.0°C	4/19	9.7°C	0	0	0	0	16
2	4/18	10.0°C	4/19	9.7°C	3	0	0	14	
3	4/18	10.0°C	4/19	9.7°C	0	0	0	9	
4	4/18	10.0°C	4/19	9.7°C	0	0	0	0	13
5	4/18	9.5°C	4/19	9.6°C	0	0	1	0	12
6	4/18	9.5°C	4/19	9.5°C	4	0	0	0	2
7	4/18	9.5°C	4/19	9.5°C	4	0	0	0	5
8	4/18	9.0°C	4/19	9.0°C	3	0	0	0	2
9	4/18	9.0°C	4/19	9.0°C	0	0	0	0	0
10	4/18	9.0°C	4/19	9.0°C	1	0	0	0	3
TOTALS:					9	0	1	0	76

COMMENTS:

- Trap 1 was placed 130 m from confluence with Bear Cr
- Trap 2 was placed 50 m upstream of trap 1
- Trap 3, 4 and 5 were placed in the middle reach of the project
- Trap 6 was placed on the left bank of downstream pond
- Trap 7 was placed between downstream pond and upstream pond
- Trap 8, 9 and 10 were placed in the upstream pond

LAFOREST - COHO FORK LENGTHS (mm)			
Trap 2	111	113	116
Trap 6	118	122	112
Trap 7	106	120	115
Trap 8	114	121	123
Trap 10	124		
AVG	115.8	STD	5.47
MIN	106	MAX	124

DATE: 10/26/98

OBSERVER: Darrow

No dams or barriers were encountered along the length of the system. Bank grass/clover are well established and willows cuttings are getting bigger. Aquatic vegetation is also doing well along the channel. No problems encountered but water is rapidly corroding light cable used to anchor some submerged debris. Several salmonids were observed in lower 200 ft of system.

DATE: 4/25/99

OBSERVER: Darrow

Project looks good overall. Vegetation is becoming well established in the channel and along the banks. Controls and most anchored debris are fine. Fry were observed from the confluence to mid channel.

DATE: 10/22/99

OBSERVER: Darrow/Pichahchy

Bank growth is now well established. Abundant signs of elk and deer. One small beaver dam at the lower end of the second pond. Cabled rock and tree at the mouth was intact.

DATE: 11/16/99

OBSERVER: Nettnin

A tote of excess salmon carcasses from the Sol Duc Hatchery was distributed throughout the project (utilizing the Honor Camp Crew).

DATE: 4/9/00

OBSERVER: Darrow

Flow is low at this time. Algae growth in ponds and channel is extensive. Willow and alder growing vigorously along banks but not providing shade yet. Clover and grass growing well and elk appear to frequent the site. Smolts were observed in lower section of the channel.

DATE: 10/22/00

OBSERVER: Darrow

Controls and woody debris all are intact and stable overall. Boulder/log structure at confluence is okay. No recent beaver activity. Upper most pond had numerous salmonids.

DATE: 11-28-00

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH		
	SET	TEMP	PULLED	TEMP		RBT	CUTT	COTTID
1	11/27	8°C	11/28	8°C	2	0	0	0
2	11/27	8°C	11/28	8°C	5	0	0	0
3	11/27	8°C	11/28	8°C	5	0	0	0
4	11/27	8°C	11/28	8°C	10	0	0	8
5	11/27	8°C	11/28	8°C	1	0	0	8
6	11/27	8°C	11/28	8°C	2	0	0	28
7	11/27	8°C	11/28	8°C	0	0	0	29
8	11/27	8°C	11/28	8°C	0	0	0	12
9	11/27	8°C	11/28	8°C	1	0	0	46
10	11/27	8°C	11/28	8°C	0	0	0	15
TOTALS:					26	0	0	146

Average size: 88.1 mm STD: 9.3 Min-Max: 64-104 Count: 26 fish

COMMENTS:

- Trap 1 was placed about 4 meters off mid left bank of uppermost pond.
- Trap 2 was placed at the top end of uppermost pond.
- Trap 3 was placed along the right bank side of the uppermost pond.
- Trap 4 was placed at the list side bead below the top pond.
- Trap 5 was placed downstream of trap 4, near small breached beaver dam.
- Trap 6 was placed directly downstream of first log control.
- Trap 7 was placed about 45 meters downstream of trap 6.
- Trap 8 was placed downstream of trap 7.
- Trap 9 was placed directly downstream of old trap site.
- Trap 10 was placed about 40 meters upstream of egress.

DATE: 2/24/01

OBSERVER: Darrow

Record low precipitation this winter and early spring. Flows were low coming out of this system. Controls had no obstructions and looked fine. Observed a few rises at the upper pond. Lots of elk and deer droppings along the parameter of the channel.

DATE: 3-26-01

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH		
	SET	TEMP	PULLED	TEMP		RBT	CUTT	COTTID
1	3/25	10°C	3/26	9°C	2	0	0	2
2	3/25	10°C	3/26	9°C	4	0	0	5
3	3/25	10°C	3/26	9°C	4	0	0	3
4	3/25	10°C	3/26	9°C	0	0	0	0
5	3/25	10°C	3/26	9°C	1	0	0	0
6	3/25	10°C	3/26	9°C	0	0	0	1
7	3/25	10°C	3/26	9°C	1	0	0	9
8	3/25	11°C	3/26	9°C	1	0	1	12
9	3/25	11°C	3/26	9°C	1	0	0	21
10	3/25	11°C	3/26	9°C	0	0	0	1

TOTALS: 14 0 1 54

Average size: 95.9 mm STD: 4.5 Min-Max: 91-106 Count: 14 fish

COMMENTS:

- Trap 1 was placed about 3 meters off left bank of uppermost pond.
- Trap 2 was placed at the top end of uppermost pond.
- Trap 3 was placed along the right bank side of the uppermost pond.
- Trap 4 was placed at the list side bead below the top pond.
- Trap 5 was placed downstream of trap 4 at the upper end of the corner hole.
- Trap 6 was placed about 7 meters upstream of small breached beaver dam.
- Trap 7 was placed about 2 meters downstream of log control.
- Trap 8 was placed about midway between old trap site and outlet channel of corner pond area.
- Trap 9 was placed directly downstream of old trap site.
- Trap 10 was placed about 60 meters upstream of egress.

DATE: 10-23-01

OBSERVER: Darrow

System charged up front recent rainfall. Small, non blocking beaver dam in the usual location at the top end of the channel and below pond. The willow and alder are gaining in size and density. Tree and boulder anchor are still in place at egress.

DATE: 12-30-01

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH		
	SET	TEMP	PULLED	TEMP		RBT	CUTT	COTTID
1	12/29	7°C	12/30	7°C	11	0	0	11
2	12/29	7°C	12/30	7°C	35	0	0	5
3	12/29	7°C	12/30	7°C	17	0	0	9
4	12/29	7°C	12/30	7°C	58	0	0	10
5	12/29	7°C	12/30	7°C	12	0	0	9
6	12/29	7°C	12/30	7°C	10	0	0	19
7	12/29	7°C	12/30	7°C	2	0	0	18
8	12/29	7°C	12/30	7°C	1	0	0	21
9	12/29	7°C	12/30	7°C	2	0	0	36
10	12/29	7°C	12/30	7°C	5	0	0	26

TOTALS: 153 0 0 164

Average size: 68.6 mm STD: 8.4 Min-Max: 54-96 Count: 117 coho measured

All coho in good condition. Majority had brightly colored (orange) fins. Some coho had blackspot.

COMMENTS:

- Trap 1 was placed at the top end of the uppermost pond.
- Trap 2 was placed along the left bank side of the uppermost pond.
- Trap 3 was placed along the left bank side, lower end of the uppermost pond.
- Trap 4 was placed at the lift side bead below the top pond.
- Trap 5 was placed downstream of trap 4 in the mid area of the corner hole.
- Trap 6 was placed downstream of small breached beaver dam.
- Trap 7 was placed about midway between old trap site and outlet channel of corner pond area
- Trap 8 was placed downstream of trap #7.
- Trap 9 was placed directly downstream of old trap site.
- Trap 10 was placed about midway between egress and old trap site.

DATE: 4-3-02

OBSERVER: Darrow

Beavers have been active at this site. Usual dam location had a much larger dam on this check. Did not observe any fry in the system. Tree and boulder anchor are still in place at the egress. There were numerous fish rises on the upper pond.

DATE: 4-3-02

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		COHO	CATCH		
	SET	TEMP	PULLED	TEMP		RBT	CUTT	COTTID
1	4/2	8.5°C	4/3	9°C	3	0	0	3
2	4/2	8.5°C	4/3	9°C	0	0	0	0
3	4/2	8.5°C	4/3	9°C	2	0	0	1
4	4/2	8.5°C	4/3	9°C	0	0	0	10
5	4/2	8.5°C	4/3	9°C	1	0	0	4
6	4/2	8.5°C	4/3	9°C	0	0	0	8
7	4/2	8.5°C	4/3	9°C	1	0	0	3
8	4/2	8.5°C	4/3	9°C	3	0	0	9
9	4/2	8.5°C	4/3	9°C	6	0	0	12
10	4/2	8.5°C	4/3	9°C	0	0	0	4

TOTALS: 16 0 0 54

Average size: 78.4mm STD: 9.0 Min-Max: 65-101 Count: 16 coho measured
Parr marks were distinct.

COMMENTS:

- Trap 1 was placed at the top end of the uppermost pond.
- Trap 2 was placed along the left bank side of the uppermost pond.
- Trap 3 was placed along the left bank side, lower end of the uppermost pond.
- Trap 4 was placed in the channel downstream of trap #3.
- Trap 5 was placed at the lift side bead below the top pond.
- Trap 6 was placed downstream of trap 4 in the mid area of the corner hole.
- Trap 7 was placed downstream of beaver dam.
- Trap 8 was placed about midway between old trap site and outlet channel of corner pond area
- Trap 9 was placed directly downstream of old trap site.
- Trap 10 was placed about midway between egress and old trap site.

DATE: 11/17/02

OBSERVER: Powell

Breached beaver dams. There was a very large one near the egress.

GPS: (decimal degrees, Datum WGS84):

upper project - N47.88708, W124.34529
egress - N47.88789, W124.34795

DATE: 5/8/03

OBSERVER: King

Beaver dams at upper and lower ends were minor. Opened both. Observed numerous fish

DATE: 9/3/03

OBSERVER: Nettnin

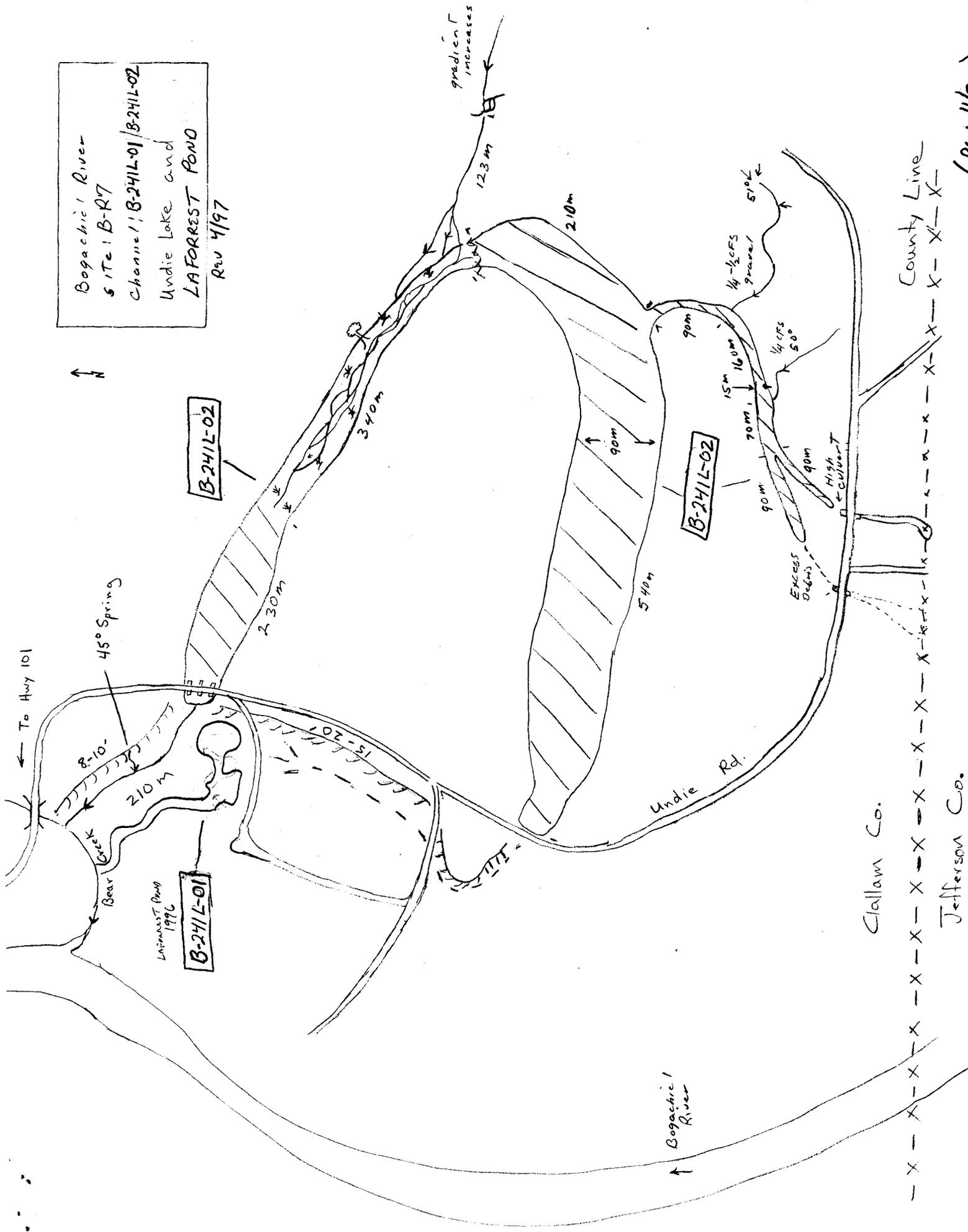
Brushed the road and modified beaver dams. Trickle of water in channel.

DATE: 10/30/03

OBSERVER: Nettnin

A beaver dam at the egress of the channel has the entire channel backwatered. Willows are uprooting and falling into the upper pond creating good cover.

Bogachic River
 Site: B-R7
 Channel: B-241L-01/B-241L-02
 Undie Lake and
 LA FORREST POND
 Rev 4/97

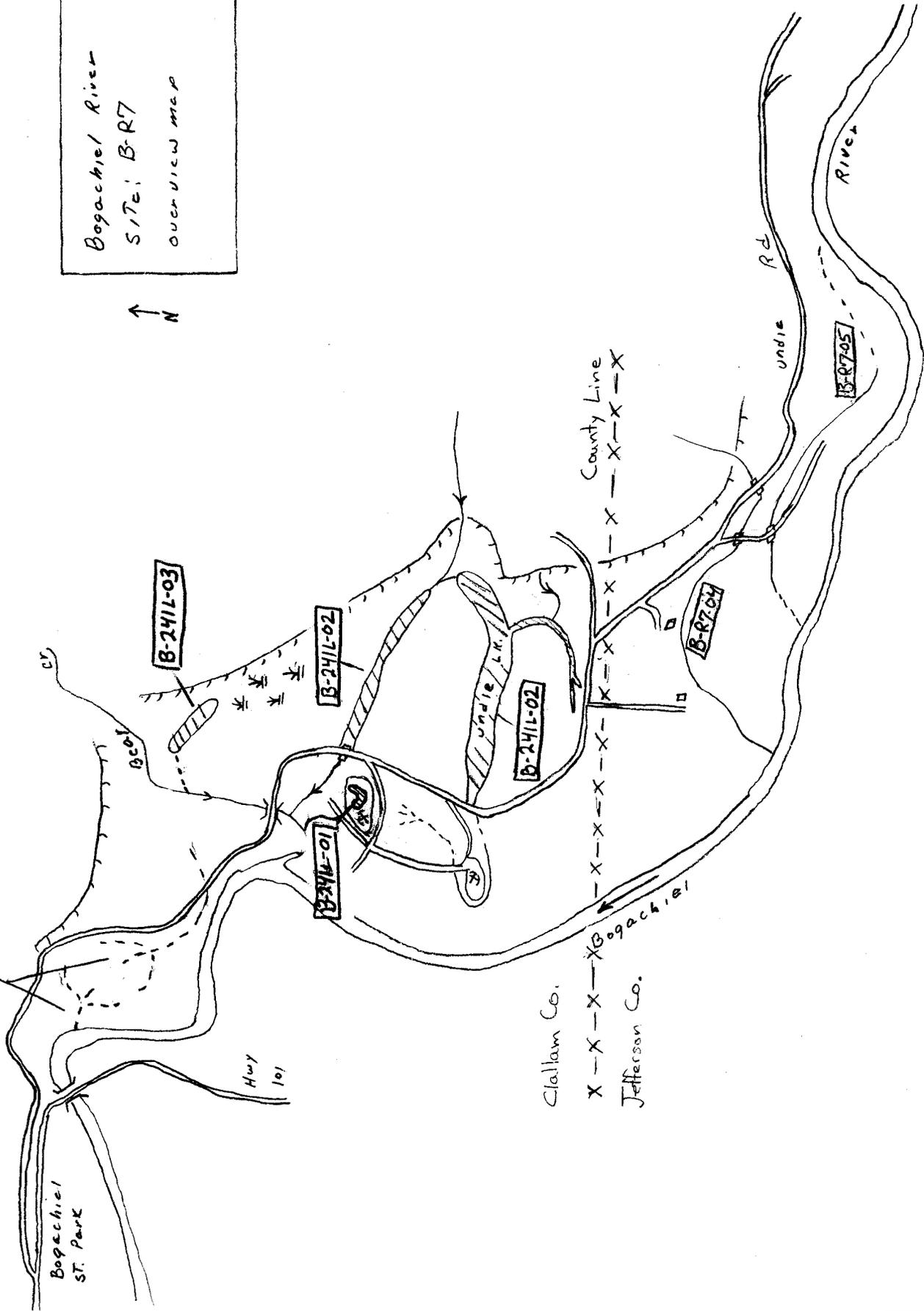


Clallam Co.

Jefferson Co.

(Rev 11/96)

Low Priority
Run off channels



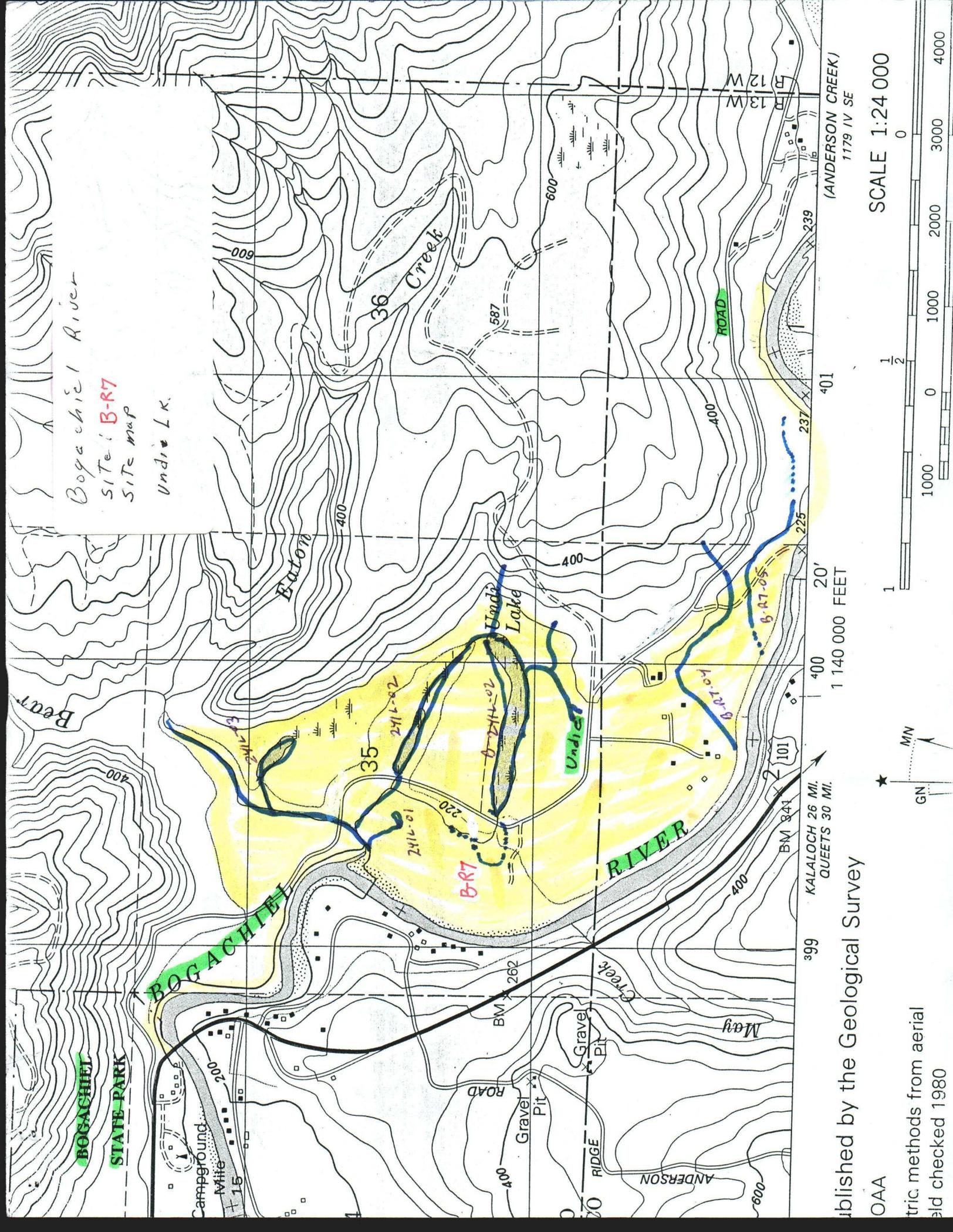
Bogachiel River
SITE: B-R7
overview map



Clallam Co.

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