

**SITE NUMBER:** ED-122L-01  
**LOCAL NAME:** Fluehardy No. 1  
**WRIA:** 20.0122A

**NORTH COAST OFF CHANNEL SITE INVENTORY DATA**

**RIVER SYSTEM:** E. F. Dickey    **DATE:** 2/27/92    **OBSERVER:** Nettnin

**CHANNEL TYPE:** Terrace Tributary

**TRIBUTARY TO:** Fluehardy Cr. (20.0122)

**SITE LOCATION:** L.B. @ R.M. 0.5 (Field, hip chain)

**LEGAL DESCRIPTION:** SE1/4 S29 T30NR13W

	<b>UPPER END</b>	<b>LOWER END</b>	<b>20.0122 TEMP</b>
<b><u>WATER TEMP:</u></b>	49 F	47 F	46 F

**FLOW (CFS):** Spring seeps    0.2 - 0.5

**SUBSTRATE TYPE:** Gravel where water is moving, silt in pooled areas.

**SITE SIZE:**    **Length-** 250 m  
                  **Width-** Water surface = 0.5 - 1 m    Beaver pond = 2 - 3 m    Channel = 1 - 3 m  
                  **Depth-** Avg = 2 - 6 cm                    Beaver pond = 20 - 60 cm

**WATER SOURCE:** Springs.

**DIRECTIONS TO SITE:** Go north from Forks on Hwy 101 about 8.4 mi. then turn left onto Lk. Pleasant Rd. (0.4 mi. north of MP 200). Stay on the main road going past the community park and across the Lake Cr. bridge. Turn right and continue up the county road (along the n.w. shore of the lake) to the end of the pavement. This road then becomes the 9000 line. Continue on the 9000 another 6.0 miles (going past the 9300 & 6000 line junctions) until coming to a new (c. 1990) concrete bridge. Continue 0.2 mi. beyond the bridge to the junction with the 9400. Turn left at the Rayonier gate (will need a key) onto the 9400. Continue 0.9 mi. to the 9410 junction. Keep left at the junction and follow the 9410 to the third stringer bridge (about 1.7 miles). This trib is Fluehardy Creek (20.0122). ED-122L-01 is located on the left bank about 150 m above the 9410 bridge.

**FISH ACCESS AND CURRENT USE:** ED-122L-01 enters Fluehardy Creek on the outside of a bend. Woody debris in the channel causes an eddy to form at the mouth of ED-122L-01, making excellent entrance conditions for fry. A one meter high beaver dam located 15 m above the mouth appears to greatly hinder up-migrating fry. Four 1+ coho were observed above this first dam. No fish were seen above a second dam 35 m further upstream.

**FLOODING POTENTIAL:** Low

**LANDOWNER:** Unknown at this time (possibly ITT Rayonier).

**IDENTIFIED WETLAND PLANTS:** Water parsley, skunk cabbage, water cress, rushes, sedges and four unidentified aquatic plants.

**COMMENTS & RECOMMENDATIONS:** ED-122L-01 meanders through recently clear-cut ground. Shade is provided by salmonberry, thimbleberry, young alder and other stream-side brush. Steep banks along the incised portion of the channel also provide shade. This area appears to provide excellent winter rearing habitat, but it may be under-utilized due to impassable beaver dams. Since spawning is known to occur in Fluehardy Cr. upstream of ED-122L-01, and since Fluehardy and its major tributaries are high energy streams with a very limited amount of rearing habitat available, the rearing area in ED-122L-01 appears very important to the Fluehardy system. Including ED-122L-01 there are five possibilities for off-channel winter rearing. Three of the five areas have a flows < 0.25 cfs.

Recommend replacing the existing beaver dams with a series of controls throughout the channel. Re-vegetate where necessary (upland or wetland). Road access is available to the upper end of the channel.

DATE: 3/23/92

OBSERVER: Nettnin

The lower 75 m reach of the channel was watered. Flow in the upper 145 m reach (from a right bank spring to the old road crossing) was intermittent. The water temp was 48° F. Fish were observed in the channel but, no species identification could be determined.

This observation was made at the end of a 2½ week period in which less than 0.5 inches of rain had fallen. Less than 2.5 inches of rainfall has been recorded during the last month (since Feb. 23).

DATE: 3/6/95

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						RBT	CUTT	0+	
1	3/6	8.0°C	3/7	7.0°C	0	0	0	0	0
2	3/6	8.0°C	3/7	7.0°C	0	0	0	0	1
TOTALS:					0	0	0	0	1

**COMMENTS:**

- Both traps baited with salmon roe and set in upper end of channel.

DATE: 8/8/00

OBSERVER: Nettnin

Installed seven weirs to form a step pool - beaded channel.

DATE: 12/19/00

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH		COTTID
						RBT	CUTT	
1	12/18	7.5°C	12/19	7.5°C	0	0	0	3
2	12/18	7.5°C	12/19	7.5°C	0	0	0	0
3	12/18	7.5°C	12/19	7.5°C	0	0	0	11
4	12/18	7.5°C	12/19	7.5°C	3	0	0	5
5	12/18	7.5°C	12/19	7.5°C	0	0	0	14
6	12/18	7.5°C	12/19	7.5°C	0	0	0	19
7	12/18	7.5°C	12/19	7.5°C	4	0	0	3
8	12/18	7.5°C	12/19	7.5°C	1	0	2	2
9	12/18	7.5°C	12/19	7.5°C	2	0	2	2
10	12/18	7.5°C	12/19	7.5°C	0	0	0	0
TOTALS:					10	0	4	59

Average size: 76.3 mm    STD: 7.8    Min-Max: 65-88    Count: 10 fish

**COMMENTS:**

- Trap 1 was placed about 25 meters upstream of the old beaver dam.
- Trap 2 was placed about 4 meters upstream of the old beaver dam.
- Trap 3 was placed about 3.5 meters downstream of the old beaver dam.
- Trap 4 was placed about 14 meters downstream of the old beaver dam.
- Trap 5 was placed about 35 meters above top control - at the top end of the s-curve.
- Trap 6 was placed about 16 meters downstream of trap 5.
- Trap 7 was placed about 5 meters above top control.
- Trap 8 was placed about midway between top and second control.
- Trap 9 was placed between the second and third control from the top.
- Trap 10 was placed between fourth and fifth control, from the top end.

DATE: 4/9/01

OBSERVER: Darrow

**MINNOW TRAPPING REPORT**

TRAP	DATE		DATE		CATCH			
	SET	TEMP	PULLED	TEMP	COHORBT	CUTT	COTTID	
1	4/8	8°C	4/9	8°C	0	0	0	0
2	4/8	8°C	4/9	8°C	2	0	0	4
3	4/8	8°C	4/9	8°C	0	0	0	5
4	4/8	8°C	4/9	8°C	3	0	0	5
5	4/8	8°C	4/9	8°C	0	0	0	6
6	4/8	8°C	4/9	8°C	1	0	0	31
7	4/8	8°C	4/9	8°C	2	0	2	2
8	4/8	8°C	4/9	8°C	5	0	0	3
9	4/8	8°C	4/9	8°C	0	0	0	0
10	4/8	8°C	4/9	8°C	0	0	0	2
<b>TOTALS:</b>					13	0	2	58

Average size: 102.9 mm    STD: 11.4    Min-Max: 90-127    Count: 10 fish

**COMMENTS:**

- Trap 1 was placed between third and fourth weir from the confluence.
- Trap 2 was placed about 4 meters upstream of the first zig-zag weir above the confluence.
- Trap 3 was placed between the top two controls.
- Trap 4 was placed about 5 meters above top zig-zag weir.
- Trap 5 was placed about 20 meters above top control - at the middle of the s-curve.
- Trap 6 was placed about 35 meters downstream of the beaver dam.
- Trap 7 was placed about 15 meters downstream of the beaver dam.
- Trap 8 was placed about 2.5 meters downstream of the beaver dam.
- Trap 9 was placed about 20 meters upstream of the beaver dam.
- Trap 10 was placed about 40 meters upstream of the beaver dam

DATE: 4/9/01

OBSERVER: Darrow

Lower than normal precipitation this winter and early spring has resulted in a reduced flow. Controls are doing fine with no leaks. There is a small beaver dam upstream of the controls. This site received a tote of coho carcasses this fall from the Sol Duc hatchery. There are some remnants still scattered around.

DATE: 7/24/01

OBSERVER: Nettnin

Installed the two remaining upper weirs in phase 2 of the project. Also, replaced the lower rock weir with a plank weir.

DATE: 11/28/01

OBSERVER: Nettnin

Water was slightly cloudy. All the weirs were functioning well. No fish were observed.

DATE: 12/10/01

OBSERVER: Darrow

Distributed about 75 coho carcasses throughout the system.

DATE: 4/3/02

OBSERVER: Nettnin

Project looks good. No fish were observed.

DATE: 9/11/02

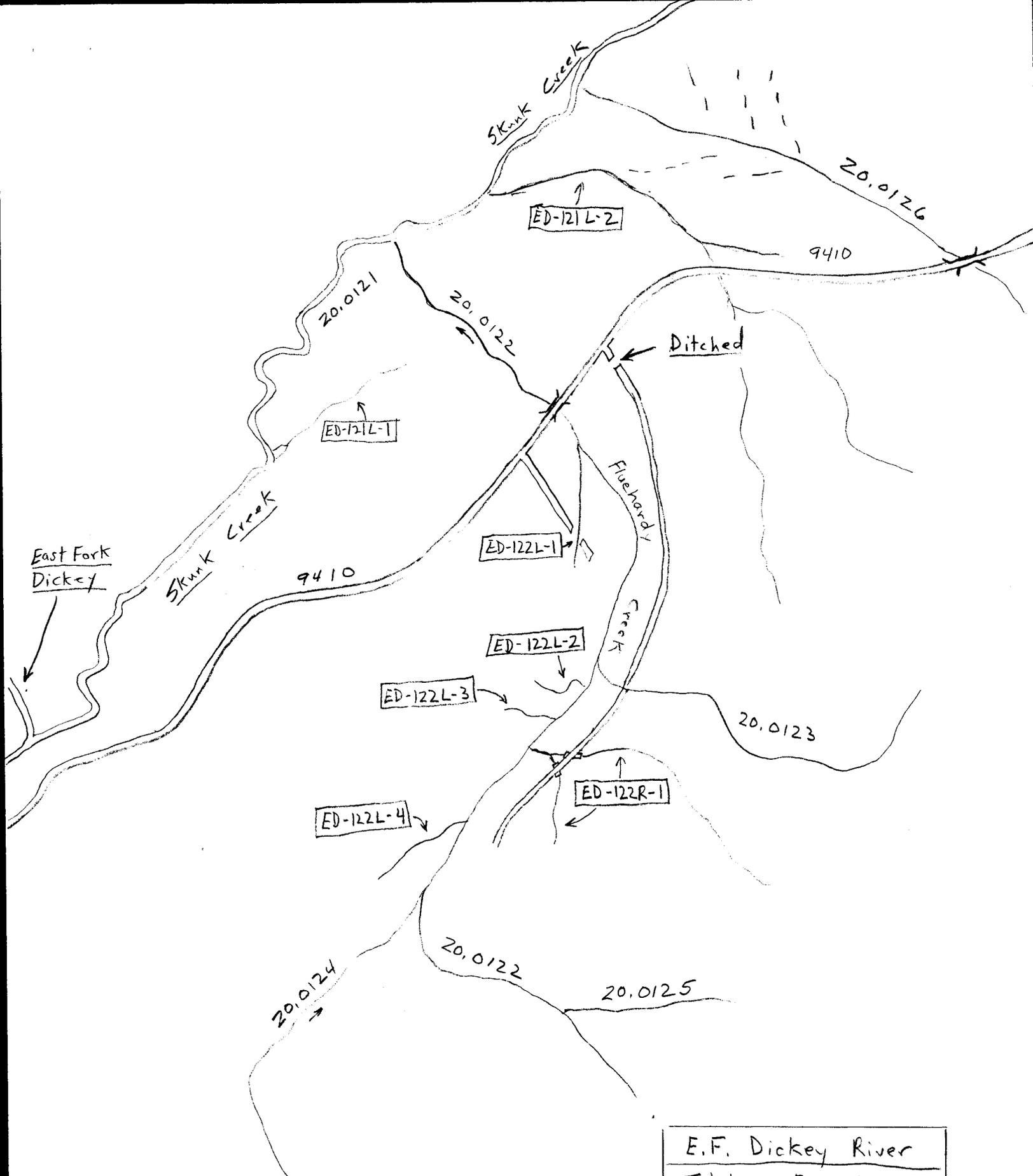
OBSERVER: Nettnin

Repaired the right bank end of weir number 3 that was washed out. It had been allowing water to pipe around.

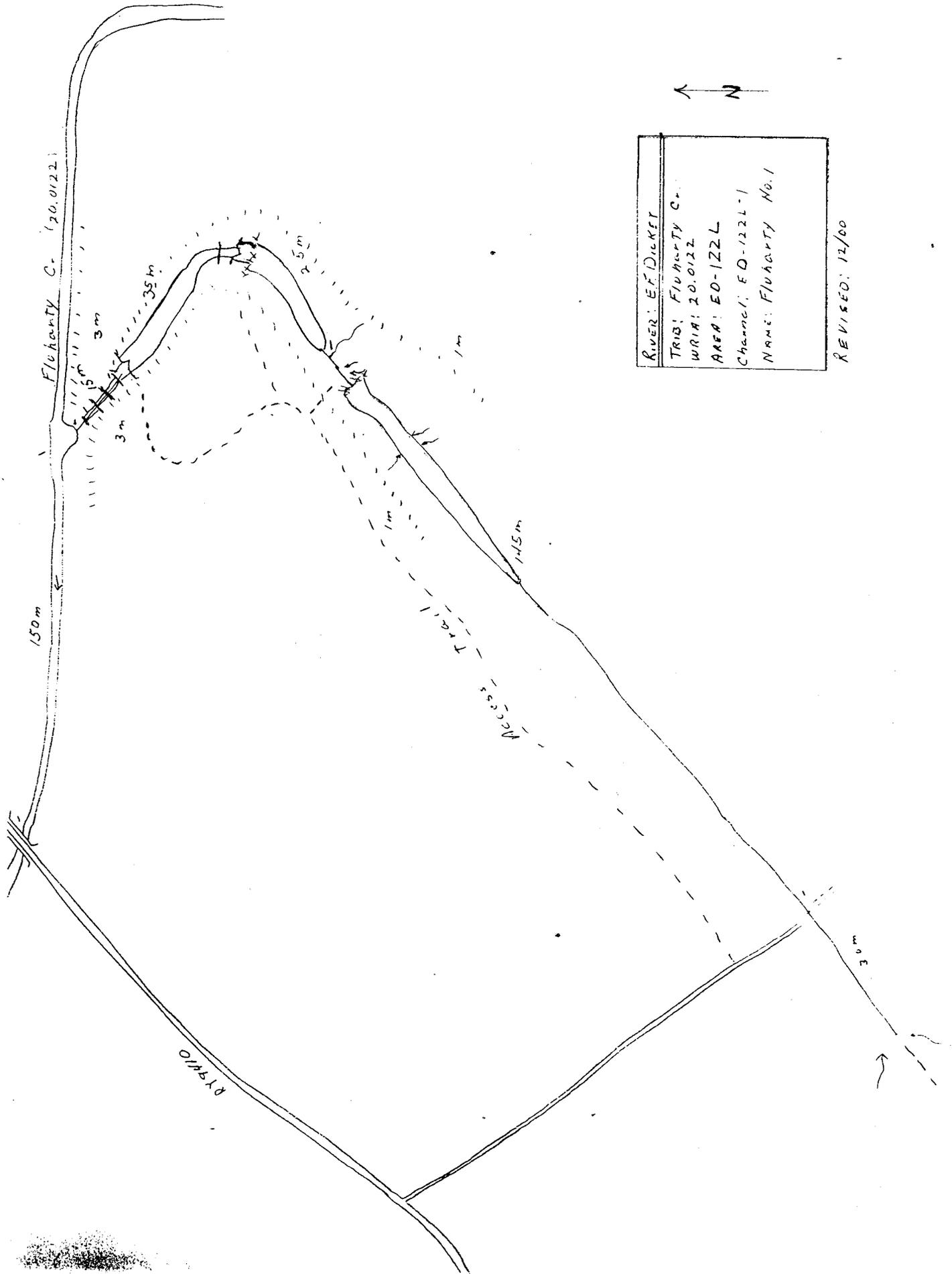
DATE: 12/11/02

OBSERVER: Nettnin

Rechecked the project. Everything looked good.



<p>E.F. Dickey River</p> <p>Tributary: Fluehardy Creek</p> <p>WRIA.No: 20.0122</p> <p>Area: ED-122L/ED-122R</p> <p>Overview Map</p>
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RIVER: EF DICKET  
 TRIB: FLEAHANTY C.  
 WRIA: 20.0122  
 AREA: ED-122L  
 Channel: ED-122L-1  
 Name: Fleahanty No. 1

REVISED: 12/00

