

SITE NUMBER: D-098L-01 (was D-R1-04)

WRIA: 20.0098B

LOCAL NAME: Coyote Flats

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Dickey **DATE:** 1/10/91 **OBSERVER:** Young/Nettnin

CHANNEL TYPE: Terrace tributary with a large, open, riverine pond.
(see pond data supplement)

TRIBUTARY TO: Dickey River (20.0097)

SITE LOCATION: R.B. @ River Mile: 1.2 to 1.5 (WDF)

LEGAL DESCRIPTION: SE1/4 S15 T28N R15W

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	5.5 C	4.0 C	N/A

<u>FLOW (CFS):</u>	< 0.25	2.0 - 4.0	
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SUBSTRATE TYPE: Silt & Mud.

SITE SIZE:

- Length-** Overall length (including pond) is about 800 m
- Width-** Excluding the pond, channel width ranges from 2 to 10 m.
Avg. surface width is 1 to 2.5 m. Maximum surface width outside the pond is 8 to 10 m.
- Depth-** Excluding pond avg depth = 10 to 20 cm. Maximum depth is 60 to 90 cm (near the mouth)

WATER SOURCE: Small springs from the toe of the clear-cut hillside to the north. Also a small valley wall trib which appear to carry mostly run off water from the same hillside. The mid and lower reach of the channel may also receive some divergent water from Marsh Cr. (20.0098). The main flow of Marsh Cr. enters D-098L-01 about 50 m above its mouth.

DIRECTIONS TO SITE: Head north from Forks on Hwy 101. Turn left just beyond mp 193 (1.0 mi. north of Forks) onto the La Push Rd. Proceed west on La Push Rd about 3.1 miles. Turn right onto the Quillayute Rd. and continue west for 4.0 mi. Turn right onto Mina Smith Rd. (at Quillayute Cemetery) and proceed north about 0.8 mi. Turn left, after crossing the Colby Creek Bridge, onto the 5000 line. Proceed west 1.2 mi. (crossing the Dickey River) then turn left onto the 5003 line. Continue southwest on the 5003 about 3 miles and then turn left (south east) onto a spur road. Follow the spur to a landing which overlooks a clear-cut flat containing the pond and the upper end of D-098L-01.

FISH ACCESS AND CURRENT USE: Fish appear to have unrestricted access up to the pond. Slightly restricted access to the pond itself. Rearing area above the pond appears minimal at present. No fish were observed.

FLOODING POTENTIAL: Pond and area upstream appear protected from flooding. Lower 150 m reach appears very flood susceptible. River may backwater into the lower end of the pond.

LANDOWNER: Unknown at this time.

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NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Dickey **DATE:** 1/10/91 **OBSERVER:** Young/Nettnin

COMMENTS & RECOMMENDATIONS: D-098L-01 converges with the main egress of Marsh Creek (20.0098) about 50 m upstream of its mouth. Below the convergence, the common, incised channel contains fairly deep, slow moving water. This water has cut a deep notch in the high right bank of the Dickey and enters the river on a flat gradient. Entrance conditions at the mouth of the common egress appear good. At the convergence of the two channels the water from D-098L-01 was dark (tannic) colored while the water from Marsh Cr. was colorless. Juvenile coho entering the common egress channel may not be able to get beyond a 3 to 4 foot falls on Marsh Creek (50 m upstream of the convergence) and may, therefore, be more likely to continue up D-098L-01.

The 100 m reach of D-098L-01 above its convergence with Marsh Creek lies in a semi-active overflow channel of the river. The channel here is very wide, shallow and grassy. It shows recent evidence of slow velocity or backwater flooding.

Above this lower reach, D-098L-01 flows through a 8 to 10 ft wide channel for about 155 m. This channel is incised at the mouth becoming less incised upstream. A jam of large woody debris and downed trees in the middle of this reach does not appear to form a fish passage problem. At the upper end of this reach D-098L-01 opens up into a large riverine pond with lots of open water (see pond data supplement). A few trickles flowing into D-098L-01 from the right bank, between the mouth of the channel and the pond, may be water which diverges from Marsh Creek downstream of the D-5003.

A network of shallow channels and depressions are seen in the clear-cut flat to the north of the pond. These channels extend some 300 to 400 meters beyond the northern end of the pond. Most have been impacted to some extent by the logging activity. The current habitat in these channels appears minimal. The channels all run toward the pond providing drainage for the northern reaches of the flat and serving as an egress for run off water from the steep clear-cut hillside adjacent to the area.

Need to monitor channel, if possible, during winter floods. Water over the D-5003 may not allow access to the pond during floods. Need to evaluate current coho utilization. Juvenile coho migrant trapping may not be feasible here. Possible habitat enhancements might include excavating channels and/or create a series of small, pothole ponds in the clear-cut area to the north of the large pond. The addition of LOD to the pond may also benefit coho production.

RIVER SYSTEM: Dickey
SITE NUMBER: D-098L-01
POND NAME: Coyote Flats Pond

POND DATA SUPPLEMENT

DATE: 1/10/91

OBSERVER: Young

INLET **OUTLET**

WATER TEMPERATURE: 5.5 C 3.5 C
(A thin layer of ice covered most of the pond)

POND SIZE:

LENGTH - 120 to 150 m
WIDTH - 50 to 60 m
EST. MAXIMUM DEPTH - > 1 m

WATER SOURCE: Small springs from the toe of the steep clear-cut hillside adjacent to the flat. Also significant amounts of run off from this same hillside. Some of divergent flow of tributary 20.0098 may also feed into the pond from along its the western perimeter.

FISH ACCESS & CURRENT USE: Should be easily accessible to the juvenile salmonids. A low dike, created by an old, inactive beaver dam at the outlet of the pond, presents only a slight restriction to fish access. No fish activity was observed in the pond, but water was quite cold.

TYPE & AMOUNT OF IN POND COVER: Some LOD is present. Some marsh grass around the perimeter. The dark color and depth of the water may also provide cover. More LOD might be helpful.

COMMENTS & RECOMMENDATIONS: This is a classic (and very good looking), 1.5 to 2 acre riverine pond. It sits in the middle of a large, wide, flat located between the toe of the steep, side slopes of the valley and the right bank of the river. The pond is surrounded on three sides by a marshy, old growth (or very old second growth), coniferous forest. That portion of the flat adjacent to the north end of the pond has been clear-cut. The pond looks very accessible to juvenile salmonids and appears to offer excellent winter rearing habitat. It would be very surprising if juvenile coho were not utilizing the pond at present. Since the pond appears to be dry in the 1990 aerial photos (taken in mid-July), summer rearing habitat may not exist.

It may be difficult to evaluate the current utilization of this pond and to monitor its condition during freshets since the road into the site regularly becomes impassable during fall floods. May need to evaluate coho utilization with minnow traps and a population estimate instead of juvenile migrant traps. It may be possible to determine a depth profile for the pond during the summer, if it indeed goes dry.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Dickey

Channel No.: D-098L-01
Site Name: Coyote Flats
WRIA: 20.0098B

DATE: 4/22/91 **OBSERVER:** Young/King

No rain for almost 2 weeks. There was still a small amount of flow out of the pond. Lots of wetlands in this area. Small berm at the outlet of the pond doesn't appear to be a problem at this time but if it doesn't rain for a while the outlet may go dry. **Initial rating for improvement potential was low.**

DATE: 3/17&18/92 **OBSERVER:** Darrow, King, Nettnin

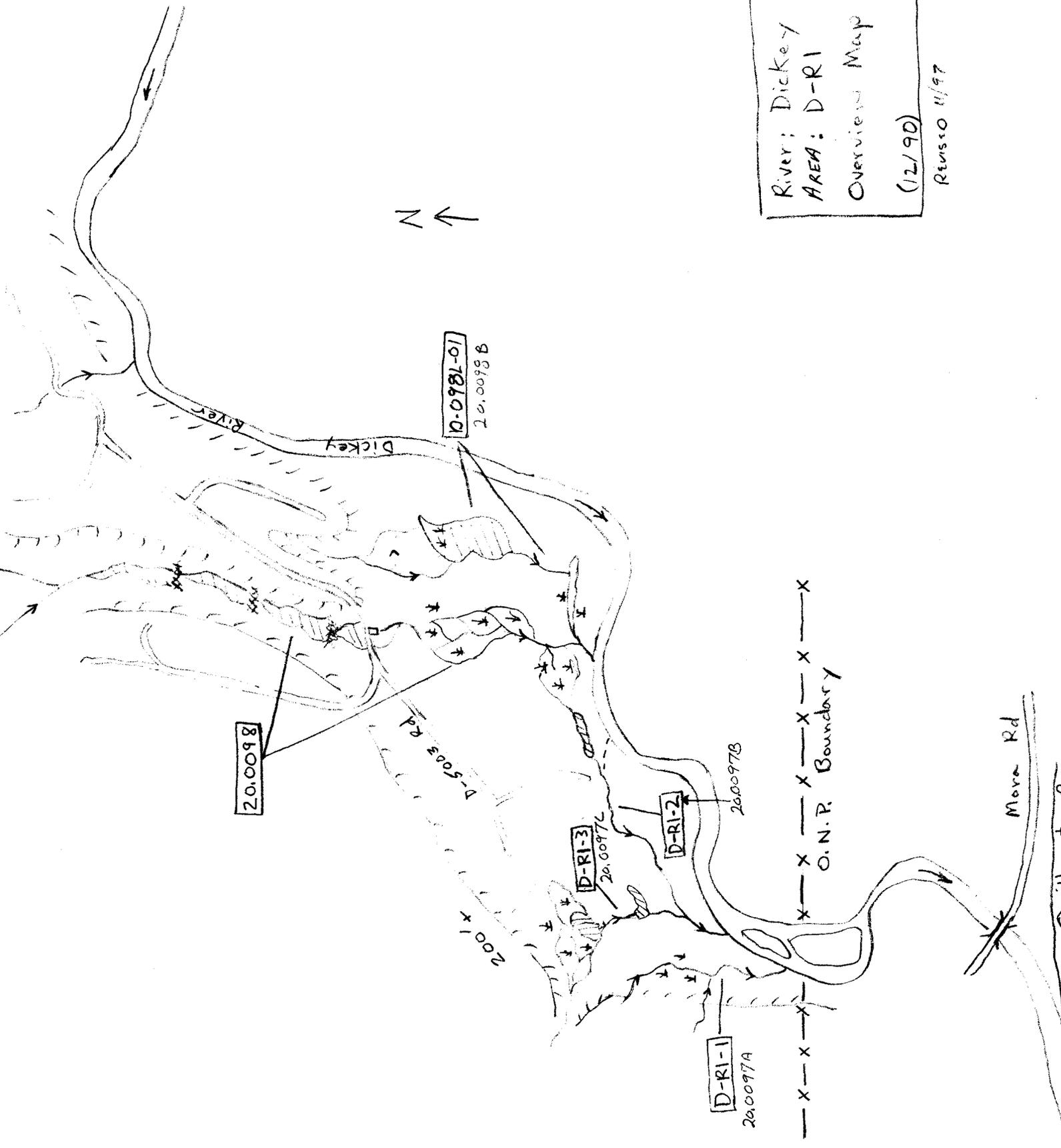
There were ten minnow traps baited with salmon roe and set in the pond. There were: 5 Coho, 63 cottid and 75 Three Spine Stickleback captured.

River: Dickey
AREA: D-RI
Overview Map

(12/90)

Revised 11/97

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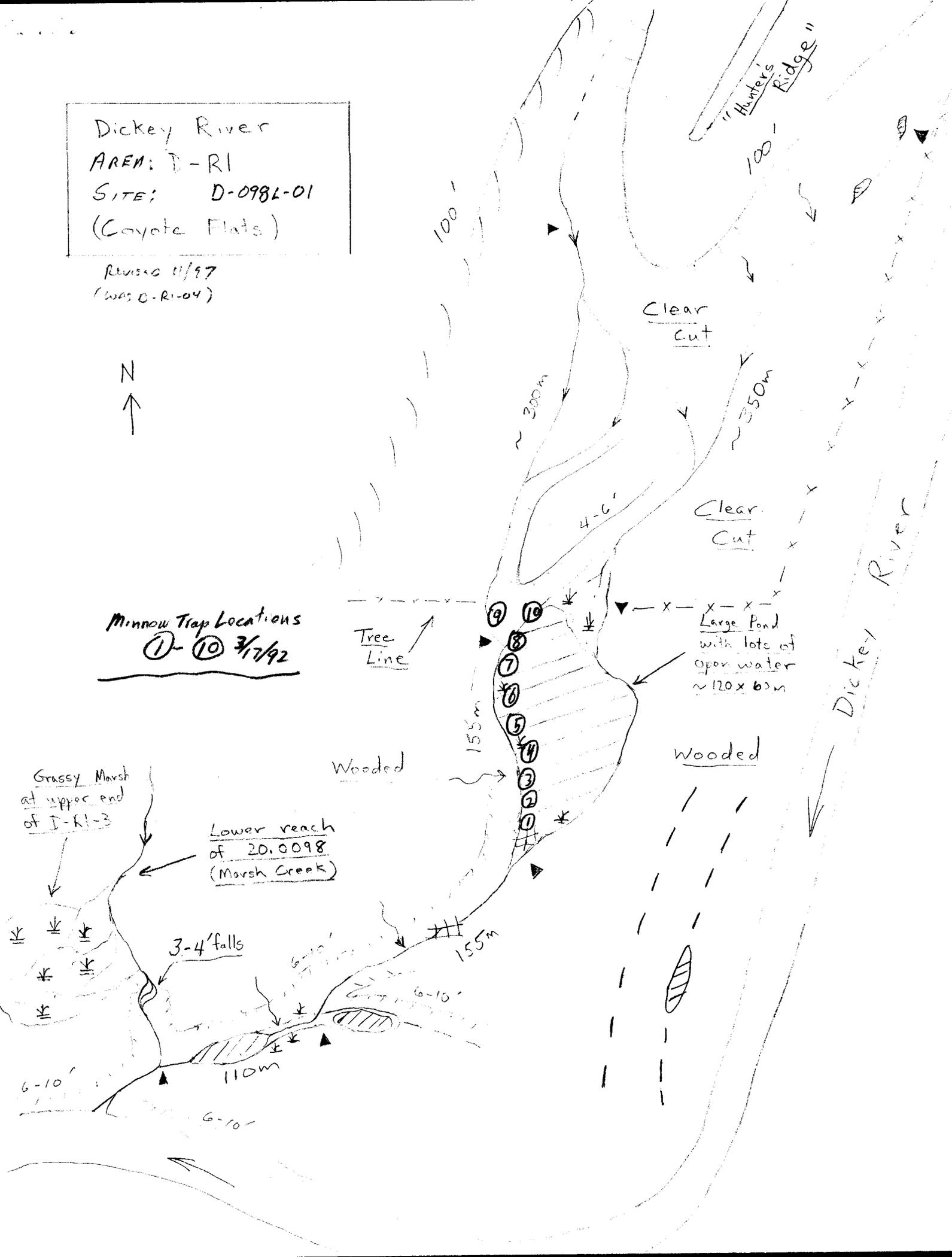


Dickey River
 AREA: D-R1
 SITE: D-0984-01
 (Coyote Flats)

Revised 11/97
 (was D-R1-04)



Minnow Trap Locations
 ①-⑩ 3/1/92



River: Dickey
AREA: D-R1
AREA map

Date: 12/4/90

