

SITE NUMBER: ED-L3-01
LOCAL NAME: Dog Leg Springs
WRIA: 20.0114M

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: E. F. Dickey **DATE:** 3/14/91 **OBSERVER:** Nettnin

CHANNEL TYPE: Lower end of a valley wall tributary (wall-based).

TRIBUTARY TO: E. F. Dickey River (20.0110)

SITE LOCATION: L.B. @ R.M. 6.0 (U.S.G.S.)

LEGAL DESCRIPTION: NW1/4 S23 T29N R14W

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	47 F	43 F	43 F
<u>FLOW (CFS):</u>	0.1 - 0.2	0.5 - 1.5	

SUBSTRATE TYPE: Gravel in lower 100 m. Rest of channel is silt.

SITE SIZE: **Length-** 900 m
 Width- W.S.: Lower 40 m = 0.5 - 3 m. Remainder = 3 - 7 m.
 Channel: 3 - 7 m
 Depth- 5 - 10 cm. Max. = 60 cm (in beaver ponds).

WATER SOURCE: Small valley wall tributary and springs.

DIRECTIONS TO SITE: Head north from Forks on Hwy 101 about 3.1 mi. Turn left (west) about 0.1 mi. beyond MP 195 onto the D-2000. Proceed west on the D-2000 for 4.7 mi. to the E. F. Dickey Bridge. Park at the bridge and walk upstream along the LB of the river about 0.2 mi. to ED-L3-01.

FISH ACCESS AND CURRENT USE: Unrestricted access at the river. Beaver dams in the channel, however, appear to restrict up-migrating juvenile salmonids. No fish were observed.

FLOODING POTENTIAL: Low.

LANDOWNER: Unknown at this time (probably DNR and/or ITT Rayonier).

COMMENTS & RECOMMENDATIONS: Water from the upper reach of ED-L3-01 flows into a small, marsh located at the base of the valley wall. Water flows out of the small marsh in two directions. Water running to the north (about 0.25 cfs) flows over steep ground and leads directly to the river. This short, steep egress channel provides little or no coho rearing habitat. The remainder of the water leaving the small marsh flows to the west (i.e. along the base of the valley wall) via channel ED-L3-01. Abundant spring water flows into ED-L3-01 from along the toe of the valley wall. Due to beaver activity and the very gentle nature of the ground, the upper reach of ED-L3-01 is a wide, shallow marsh with braided channels. Two major beaver ponds are located in the lower to middle reach of the channel. The ponds are separated by an 80 m long reach of wetland habitat. Both of the dams associated with these ponds appear to create fish passage problems. The lower 100 m reach of ED-L3-01 flows through an incised channel with debris piles and small beaver dams throughout. The channel enters the river at a small back eddy created by woody debris and protected by a rock outcrop.

It should be possible to increase the flow in ED-L3-01 by blocking off the short, steep egress channel from the upper marsh area and diverting this water into ED-L3-01. The increased flow would increase attraction at the mouth and might help migrating juvenile salmonids get past some of the present barriers. Modifications of the beaver dams might also allow increased habitat utilization.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: E.F. Dickey

Channel No.: ED-L3-01
Site Name: Dog Leg Springs
WRIA: 20.0114M

DATE: 5/29/91 **OBSERVER:** King/Nettnin

Flow in the lower reaches of ED-L3-01 was 0.2 - 0.5 cfs. The channel is braided in the reach above the ponded area.

Extensive wetland area. Has potential for blasting pools and debris removal.

DATE: 7/19/91 **OBSERVER:** Nettnin

Flow at the mouth of ED-L3-01 was about 30 gal/min. Springs are still flowing in the upper reach of the marsh. The valley wall trib. is still running and all the small beaver ponds are still full.

DATE: 2/21/96 **OBSERVER:** Darrow/Nettnin

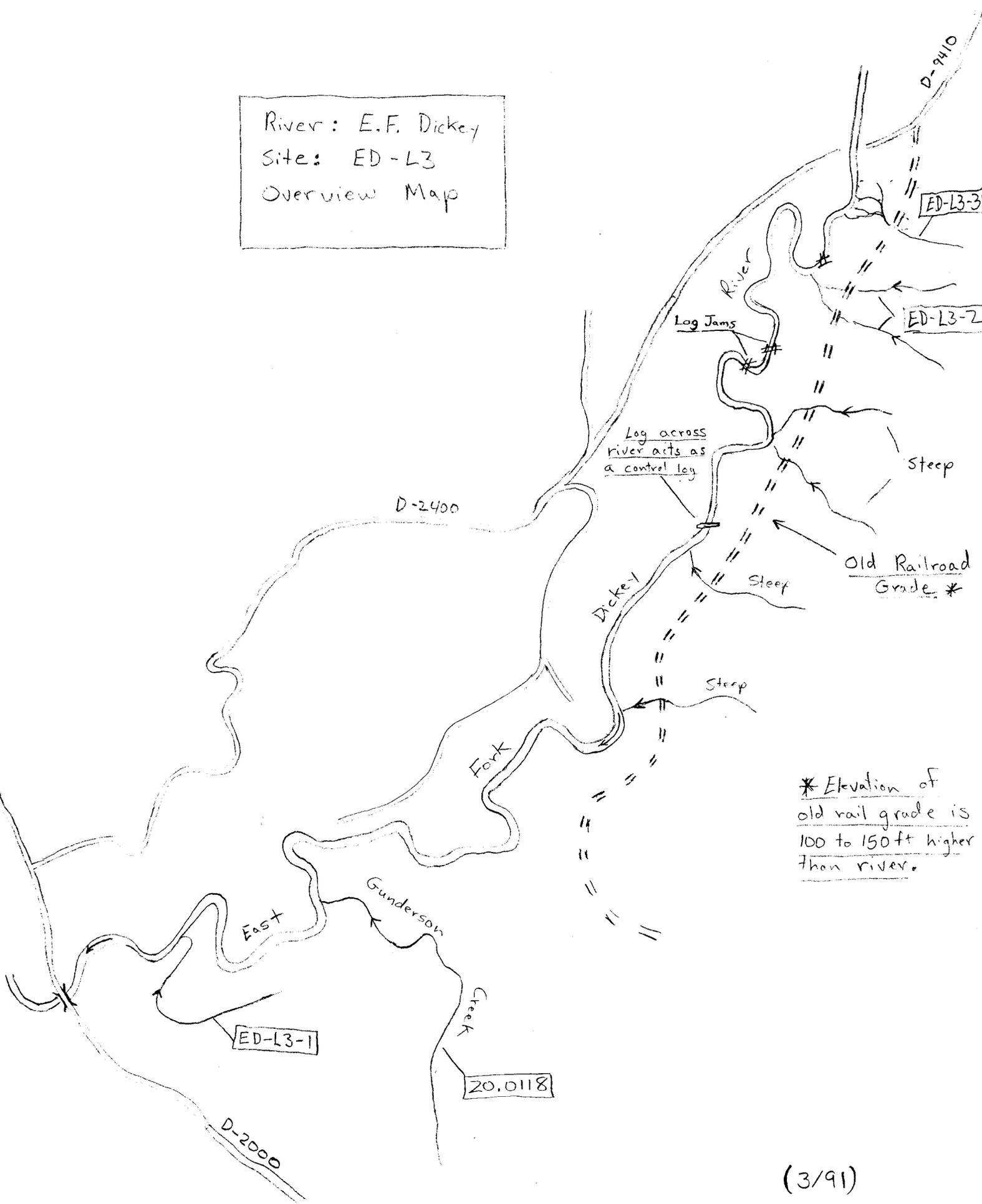
MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						RBT	CUTT	0+	
1	2/21	4.0°C	2/22	4.5°C	0	0	0	0	6
2	2/21	4.0°C	2/22	4.5°C	0	0	0	0	0
3	2/21	4.0°C	2/22	4.5°C	0	0	0	0	3
4	2/21	4.0°C	2/22	4.5°C	0	0	0	0	16
5	2/21	4.0°C	2/22	4.5°C	0	0	0	0	4
TOTALS:					0	0	0	0	29

COMMENTS:

- Trap #1 was 130 ft above the confluence with E.F. Dickey and 20 ft below the beaver dam.
- Trap #2 was set 70 ft above the beaver dam in the pool.
- Trap #3 was set about 300 ft above the beaver dam in cattail clumps.
- Trap #4 was set just above the second beaver dam on hard bend.
- Trap #5 was set above the upper most beaver dam.
- Cold temperatures may have had a bearing on that the fish were not feeding much, or the beaver dams are limiting upstream migration.

River: E.F. Dickey
Site: ED-L3
Overview Map

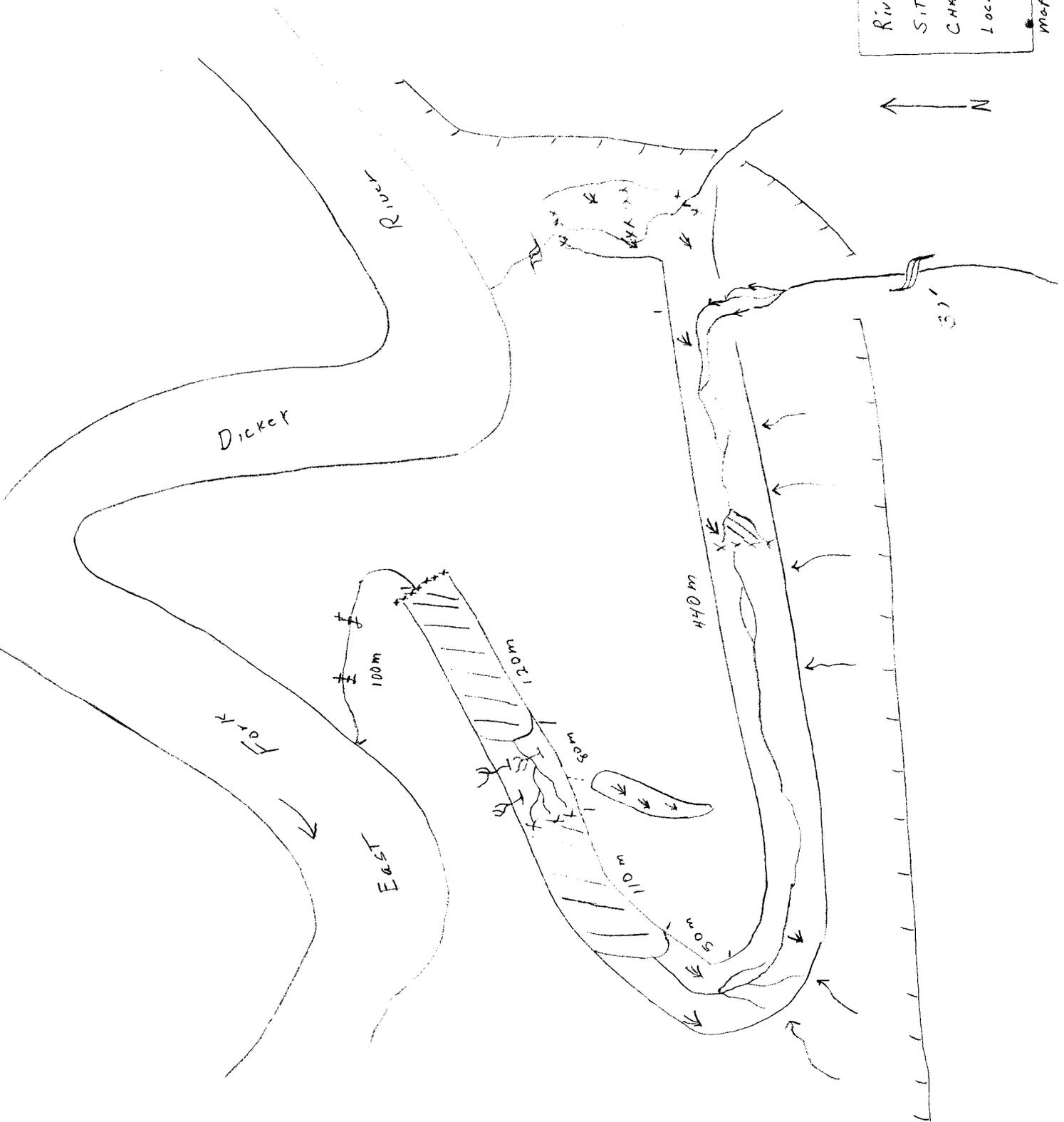


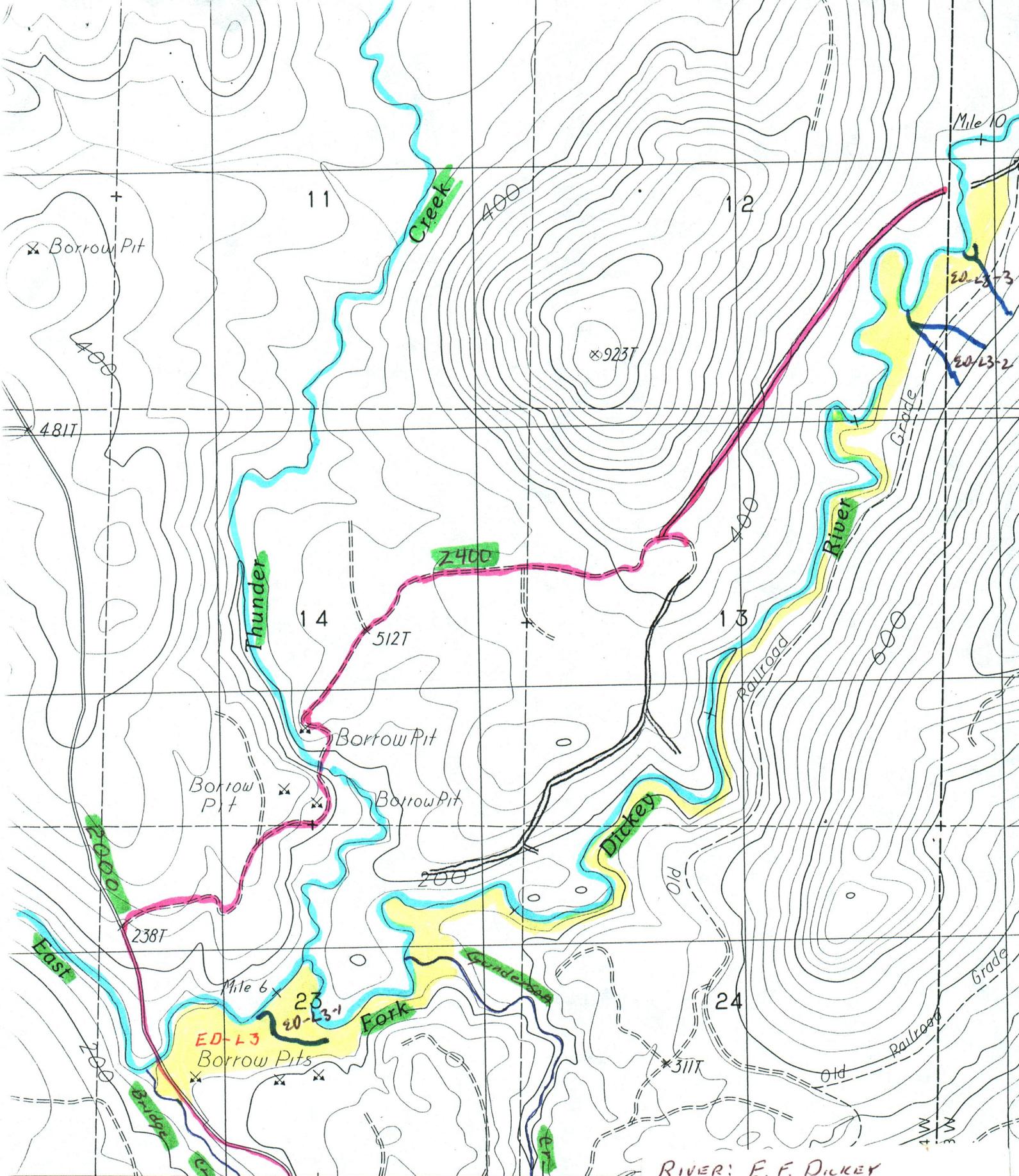
Old Railroad Grade *

* Elevation of old rail grade is 100 to 150 ft higher than river.

RIVER: E.F. DICKEY
SITE: ED-L3
CHANNEL: ED-L3-1
LOCAL NAME: Dog leg Spring

Map Date: 5/91 Revised 5/29/97





RIVER: E. F. DICKEY
 SITE: ED-L3
 SITE MAP

E. F. DICKEY
 TOPOGRAPHIC SURVEY
 USGS, NOS/NOAA
 1977 AND 1978
 1984
 CONFORMAL CONIC
 PROJECTION
 NAD 83 NORTH ZONE



(3/91)