

SITE NUMBER: ED-119L-01

LOCAL NAME: Grade Cr.

WRIA:

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: E.F. Dickey **DATE:** 3/31/92 **OBSERVER:** Nettnin

CHANNEL TYPE: Upper terrace tributary

TRIBUTARY TO: 20.0119 (a trib to Gunderson Creek - 20.0118).

SITE LOCATION: L.B. @ River Mile: 0.2 (field)

LEGAL DESCRIPTION: NW1/4, SEC 25, T29N, R14W

	<u>UPPER END</u>	<u>LOWER END</u>	<u>20.0119 TEMP</u>
<u>WATER TEMP:</u>	10° C	9.5° C	10.5° C
<u>FLOW (CFS):</u>	0.1 - 0.2	0.2 - 0.5	

SUBSTRATE TYPE: Gravel, boulders and mud.

SITE SIZE:

Length-	1510 m		
Width-	Water surface = 1 - 2 m	Marsh = 2 - 30 m	
	Channel = 3 - 4 m	Marsh = 30 - 50 m	
Depth-	5- 10 mm	Max = 20 - 30 cm	Marsh = 0.5 - 1 m

WATER SOURCE: Springs and overflow from a upper valley wall trib.

DIRECTIONS TO SITE: Go north from Forks on Highway 101 for 3.1 mi. Turn left (west) about 0.1 mi. beyond MP 195 onto the D-2000. Continue west on the D-2000 for 3.3 miles. A culvert crossing at this point is ED-119L-01.

FISH ACCESS AND CURRENT USE: Fish have unrestricted access to the culvert under the D-2000. The culvert is an upstream block for juvenile coho and will inhibit adult migrations on low flows. Coho fry were observed above the culvert and above two more potential passage problems (LOD). Above that is a rock cascade and then a boulder field. No fry were observed in the reach of stream between the rock cascade and the marsh. Unidentified fish were seen in the marsh.

FLOODING POTENTIAL: Low at the marsh. The stream below the marsh shows signs of high flows.

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

COMMENTS & RECOMMENDATIONS:

-This stream starts with numerous small springs flowing into a common marsh. It also receives overflow from stream flowing to the Soleduck River.

-This marsh lies adjacent to an old grade (D-4000).

-The upper end of the marsh is impounded due to beaver activity. The lower half is well defined channels and small pools, but with impounded characteristics.

-As the stream exits the marsh it enters a braided, boulder strewn valley. These braids are to shallow for adults to migrate through.

-It then flows over a 20 foot rock cascade, which appears to be passable to adults.

-About 10 Coho fry were observed below the cascade.

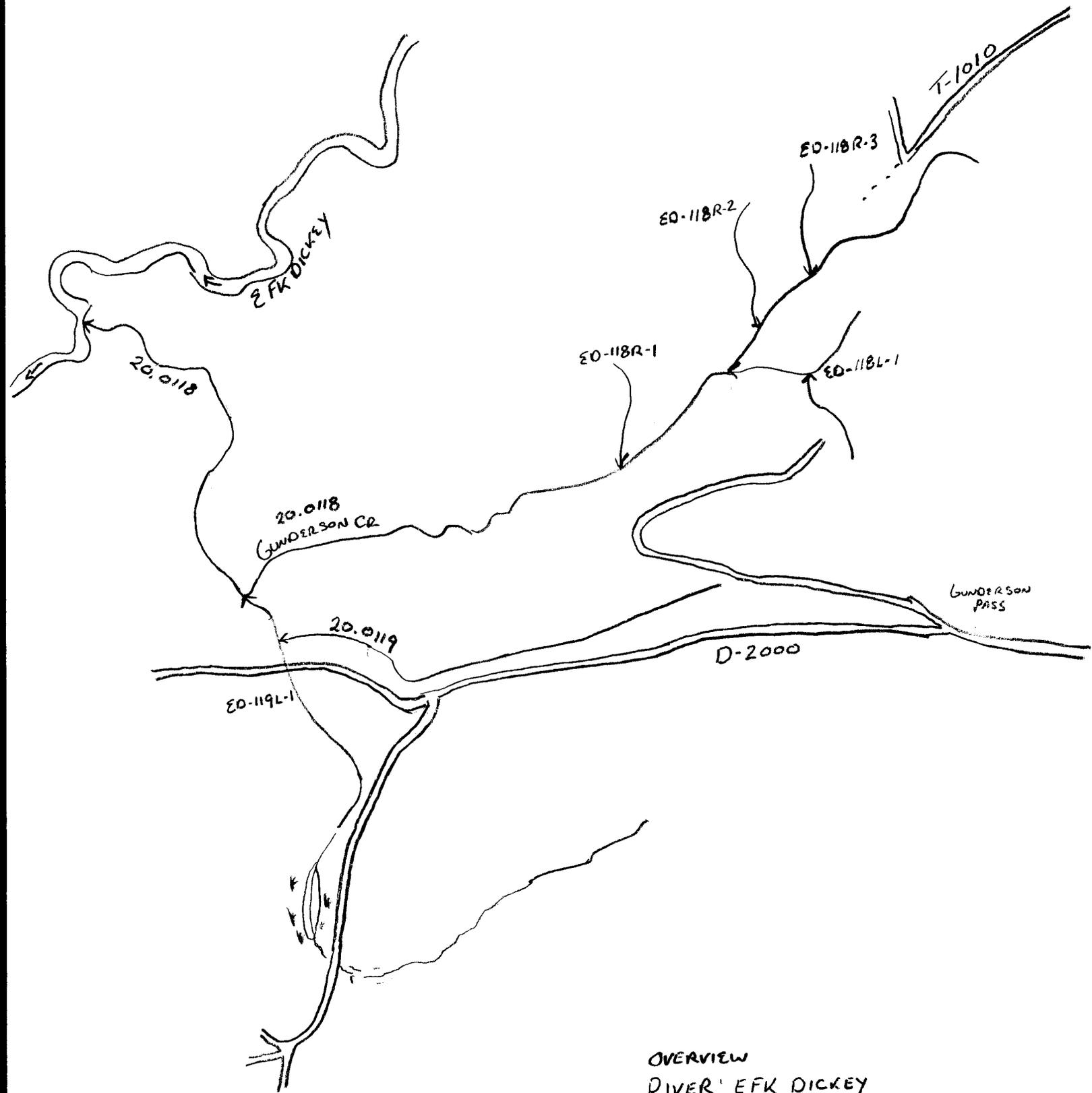
- The two LOD piles below the cascades appear to be passage problems at low to moderate flows.
- The culvert under the D-2000 has a 1 - 2 m plunge during low to moderate flows.
- There is spawning takes place above the culvert, but rearing is very limited and migration up to the marsh is dubious.
- The reach between the mouth and the marsh is well shaded from mature timber, however it is marked for cutting.

Suggested projects:

- Minnow trap and monitor flows during freshets.

If the cascades are passable to salmonids then:

- Fix the culvert at D-2000.
- Modify the woody debris jams to increase passage.
- Modify boulder field to channel stream (move or brake the boulders to allow for a meandering channel.)
- Install spawning pad at outlet of the marsh.
- Install controls in the marsh to create more habitat.



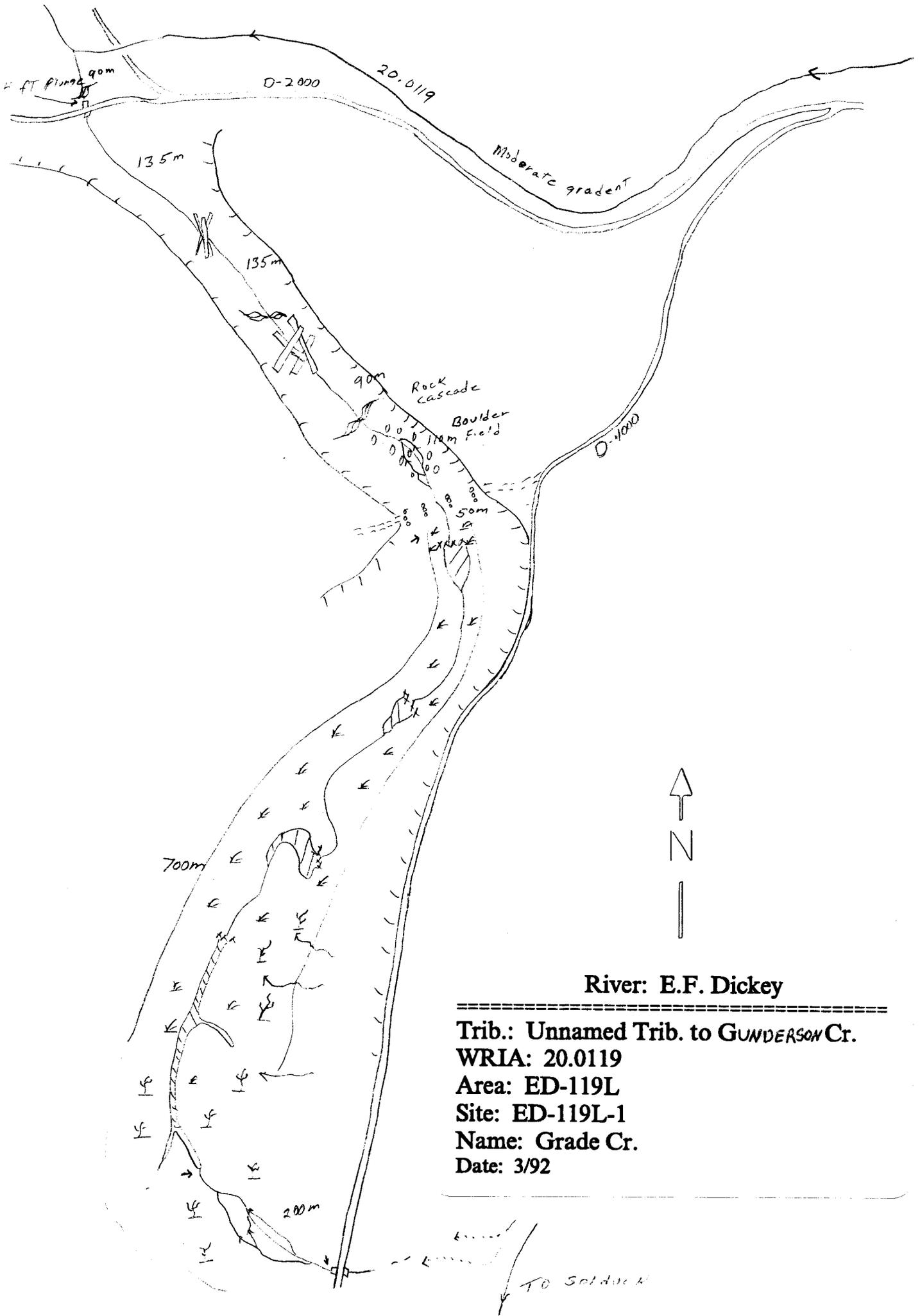
OVERVIEW

RIVER: EFK DICKEY

TRIB: GUNDERSON CR-20.0118, 20.0119

AREA: ED-L3

DATE: 3/94



River: E.F. Dickey

Trib.: Unnamed Trib. to GUNDERSON Cr.
WRIA: 20.0119
Area: ED-119L
Site: ED-119L-1
Name: Grade Cr.
Date: 3/92

Gunderson
20,018

