

SITE NUMBER: ED-L1-02
LOCAL NAME: Topper Cr.
WRIA: 20.0110D

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: E. F. Dickey **DATE:** 2/27/91 **OBSERVER:** Nettnin

CHANNEL TYPE: Terrace Tributary

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

SITE LOCATION: L.B. @ R.M. 0.4 (WDF)

LEGAL DESCRIPTION: SE1/4 S29 T29N R14W

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	45 F	45 F	46 F
<u>FLOW (CFS):</u>	0.1 - 0.2	0.2 - 0.5	

SUBSTRATE TYPE: Primarily silt. Some small gravel is also present.

SITE SIZE: **Length-** 500 - 550 m
 Width- Water surface = 30 - 60 cm (excluding small marsh)
 Channel = 1 - 2 m (excluding small marsh)
 Depth- 5 - 8 cm Max = 20 cm (excluding small marsh)
 Marsh- 60 x 60 m, 4 - 8 cm deep, spring fed, sedges, skunk cabbage, no
 ponded water.

WATER SOURCE: Springs & terrace trib.

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 3.5 miles to the E.F. Dickey River bridge. Park at the south end of the bridge. Walk upstream along the LB of the E.F. Dickey about 500 m to the mouth of ED-L1-02 or follow the old grade along the LB to an old bridge that crosses ED-L1-01. Continue beyond the bridge, staying to the left, until the old grade ends at channel ED-L1-02.

FISH ACCESS AND CURRENT USE: Unrestricted access from the mouth up to the first grade crossing (i.e. the lower 220 m). Two fish were seen. Species unknown.

FLOODING POTENTIAL: The lower 100 m reach was flooded during the past winter. The rest of the channel appears well protected.

LANDOWNER: Unknown at this time.

COMMENTS & RECOMMENDATIONS: ED-L1-02 enters the river at the lower end of a gravel bar and at the tail out of a pool (i.e. head of a riffle). As the river level rises entrance conditions at the mouth of the channel will probably improve.

A small marshy area in the lower reach (100 to 150 m above the mouth) holds shallow ponded water. A fingerling of unknown species was observed in this area.

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COMMENTS & RECOMMENDATIONS: (continued)

ED-L1-02 maintains a well defined channel in the 200 to 250 m reach above the small marshy area. Two juvenile coho passage barriers occur in this reach at (or near) old grade crossings. Water cascades over and/or filters through the old fill material. No culverts were seen at either of these old crossing points.

A relatively small (60 m long by 60 m wide), shallow, wall-based marsh located some 400 to 450 m above the mouth of ED-L1-02 marks the upper end of the channel. The "headwaters" of ED-L1-01 are the small, seep springs that feed this marsh. A short, secondary egress channel allows water to leave from along the north side of the shallow marsh. This channel, which was carrying a flow of less than 0.25 cfs, takes a direct route to the river and has a cascade at its mouth.

Instream cover in ED-L1-02 is provided mostly by small woody debris. The overstory along the channel is provided mostly by alder and hemlock. The understory is mostly sparse, thinly scattered salmonberry. The shallow marsh at the upper end of the channel contains skunk cabbage and sedge grass along with other unidentified plant species.

Recommend removing the passage problems at the old grade crossings. Beading the channel with controls should be considered. It may be feasible to increase attraction by directing the water flowing out the secondary egress channel into the primary egress channel. Light machine access is available to the fish passage problems in the middle reach.

DATE: 5/29/91

OBSERVER: King/Nettnin

Flow in the lower reaches of ED-L1-02 is about 30 gal/min.

DATE: Summer 1991

Plank controls were installed in the channel just below the upper grade crossing to create more pooled water. The old grade crossings were also dug out by hand. The Clearwater Honor Camp crews were used to complete this project.

DATE: 11/19/91

OBSERVER: Nettnin

On 8/20/91 two plank controls were installed to form a small pool to increase rearing area. Also two barriers were removed. These barriers were old grade crossings made up of debris and dirt.

DATE: 3/23/92

OBSERVER: Darrow, Slack

Three minnow traps were baited with salmon roe and set in or just below the project site. Nineteen Coho psmolts were captured.

DATE: 3/31/92

OBSERVER: King

Inspected work done in 1991. Controls were working, but only a trickle of flow was seen in the channel. Lowest precip. on record for March. Some juvenile salmonids were seen in the pools created by the controls.

DATE: 11/2/95

OBSERVER: Darrow

Notched controls had no blockages; there was ~0.3 CFS flow. There was a two step (~18-20") fall ~70' below controls that may be a barrier during low flows. Walked system down to the river confluence. Mouth of system fans over a silty, gravel bar, and mostly subsurfaces. Under present conditions, it is not fish passable. Higher water levels would alleviate this problem. No fish were observed.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: E. F. Dickey

Channel No.: ED-L1-02

Site Name: Topper Cr.

WRIA: 20.0110D

DATE: 4/16/96

OBSERVER: Darrow

Walked system from river confluence to a ~500 feet above controls. Encountered a few potential fry barriers (sticks & limbs) below controls. Cleared those areas and woody debris in control notches. Estimated flow, 0.5 - 0.6 cfs. Observed two small salmonids darting amongst cover in pool above top control.

DATE: 10/23/96

OBSERVER: Powell

Controls were fine and there was a moderate flow, ~0.25 CFS. No fish were observed.

DATE: 4/6/97

OBSERVER: Darrow

Lots of fallen alders and tops in this area. Lots of small limbs and twigs littering system but will not impede fish passage. Cleared control notches of debris. Observed one juvenile coho in upper project.

DATE: 10/16/97

OBSERVER: Darrow

No blockages encountered. About 1/4 - 1/3 CFS flow. Observed 1 coho juvenile in lower bay.

DATE: 3/8/98

OBSERVER: Darrow

Nothing has changed here - just a few sticks on the controls. ~0.3 - 0.5 CFS. Only observed one salmonid.

DATE: 10/6/98

OBSERVER: Darrow

Flow is estimated at 0.25-0.33 cfs. Control notches were cleared of sticks and leaves. No dams or barriers were found. Flow at the confluence with EF Dickey is spread out and thin during lower flows. Trail has numerous windfalls and brush growth; the old stringer bridge that is part of the trail is no longer safe to cross. Use game trail 3-4m above the bridge. Cottids were observed. Did not observe salmonids.

DATE: 4/18/99

OBSERVER: Darrow

Crossing the river at old tribal trapping spot is the best route during moderate flows. Cleared some small stick jams in the channel. Thin, spread out flow at egress. Observed fry and presmolts in the lower 25 feet of channel.

DATE: 11/4/99

OBSERVER: Nettnin

Weirs are tight, and project is in good shape.

DATE: 4/22/00

OBSERVER: Darrow

Outlet at the confluence has an alluvial appearance. The controls had some minor accumulation of twigs. Observed a couple salmonids darting for cover.

DATE: 11/7/00

OBSERVER: Darrow

Cleared a few limbs from the lower control. Flow is about 1/3 cfs. There is a couple of 1.5 foot steps that have developed in the substrate. They would be fish passable during higher flows. Did observe a couple of small salmonids down by alder bench.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: E. F. Dickey

Channel No.: ED-L1-02

Site Name: Topper Cr.

WRIA: 20.0110D

DATE: 3/22/01

OBSERVER: Darrow

Lower than normal precipitation this winter and early spring has resulted in a very light flow. Did not observe any fish.

DATE: 10/21/02

OBSERVER: Darrow

Channel downstream of the controls appears to down-cut into the clay and silt substrate. The step areas are about 2 foot but appear passable during winter flows.

DATE: 4/20/02

OBSERVER: Darrow

Trail into the site is becoming overgrown. Cleared a few sticks off controls. Everything else was okay. Did not observe any fish.

DATE: 11/19/02

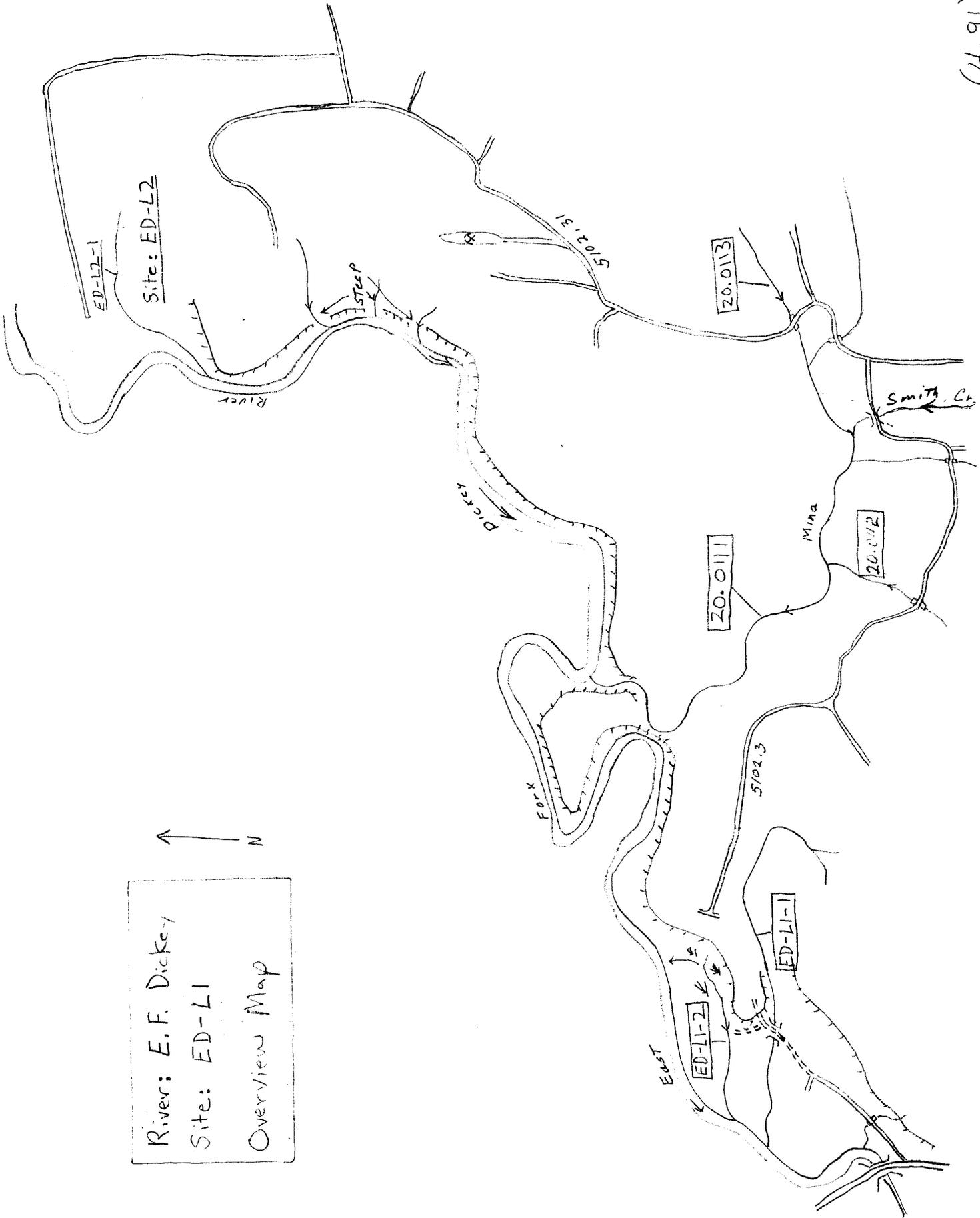
OBSERVER: Nettnin

The project appears okay.

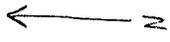
DATE: 5/2/03

OBSERVER: Nettnin

Project appears okay but may need additional work. Several 1+ salmonids were observed.



River: E.F. Dickey
Site: ED-L1
Overview Map



← E. F. Dickey Cr.

① ② ③
Minnow Trap Locations
3/23/92

40m
Plays Control

60m

60m

100m

160m

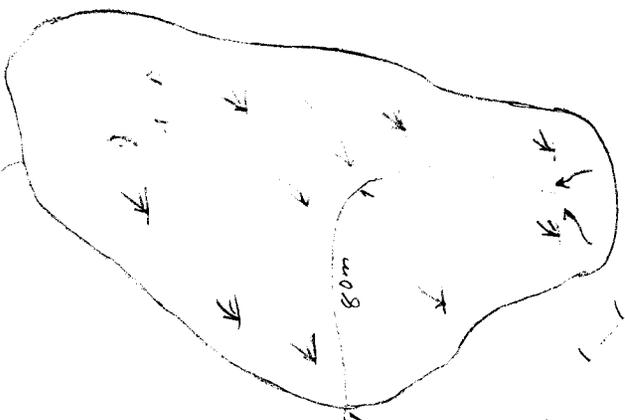
25m

80m

WCS



RIVER: E.F. DICKEY
SITE: ED-LI
CHANNEL: ED-LI-2
LOCAL NAME: Topper Cr.
updated 11/91



River, EF Dickey R.
Site: ED-LI
Site map

