

SITE NUMBER: C-L1-06
LOCAL NAME: Spruce Root Channel
WRIA: 20.0175E

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Calawah R. **DATE:** 2/22/90 **OBSERVER:** Nettnin

CHANNEL TYPE: Terrace trib. (Wall based spring channel)

TRIBUTARY TO: Calawah R. (20.0175)

SITE LOCATION: L.B. @ River Mile: 1.4 (WDF)

LEGAL DESCRIPTION:

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	49 F	48 F	43 F
<u>FLOW (CFS):</u>	0.25	1.0	

SUBSTRATE TYPE: All of C-L1-06 has a silty bottom.

SITE SIZE: **Length-** 150 m
 Width- Water surface = 3 - 4 ft
 Channel = 4 - 5 ft
 Depth- 6 - 8 in

WATER SOURCE: Springs

DIRECTIONS TO SITE: North on Hwy 101 to the city of Forks. Proceed to the city center. Turn left (west) onto Bogachiel Way (just past Pay & Save Grocery). Stay on Bogachiel Way about 3 miles until coming to the W.D.W. steelhead rearing pond. Drive along the north bank to the lower end of the pond. Stay right and follow the road up the hill toward the Rayonier Calawah Rearing Ponds. Bear right on the first well graveled road. Follow this road to the north pond. Walk upstream of the pond along the RB to the clearcut. Cross the clearcut (bearing towards the river). Cross C-L1-05. Continue towards the river. If C-L1-06 has not been encountered, follow the Calawah upstream to the mouth of the channel. C-L1-06 is small, and deeply incised with an eight foot spruce tree spanning the mouth.

FISH ACCESS AND CURRENT USE: One fry was observed in C-L1-06. Fish access appears to be somewhat restricted, however. At low flows, water cascades over roots and woody debris and spreads out over a small gravel bar before entering the river. At the upper end of the cascade water flows under a large standing spruce tree which spans the channel. Just upstream a small woody debris jam may be a problem. On high water the land bridge and cascade are submerged.

FLOODING POTENTIAL: The river does not appear to over top the bank and flow through C-L1-06. Moderate potential for backwater flooding.

LANDOWNER: Unknown at this time.

(Continued on next page)

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COMMENTS & RECOMMENDATIONS: C-L1-06 is a deeply incised channel with 8 to 12 ft high banks. It lies parallel to the Calawah R. and is separated from the river by only 15 to 30 ft. The lower channel appears to have fish passage problems at low river flows and possibly at moderate flows. There are very few slack water areas in C-L1-06 to provide coho rearing habitat. The channel would provide much better coho rearing and refuge area if it were deeper, wider and had better access.

Recommend installing controls for pooling water throughout the channel. Creation of pool areas by blasting may not be feasible due to the proximity of the river and depth of the channel. Blasting could possibly cause the banks to collapse into the channel or might even breach through to the river. The egress (i.e. the lower end of the channel) should also have some work done on it to remove or lessen the barriers to the upstream movement of juvenile coho.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Calawah River

Channel No.: C-L1-06
Site Name: Spruce Root Channel
WRIA: 20.0175E

DATE: 3/19/90

OBSERVER: Nettnin

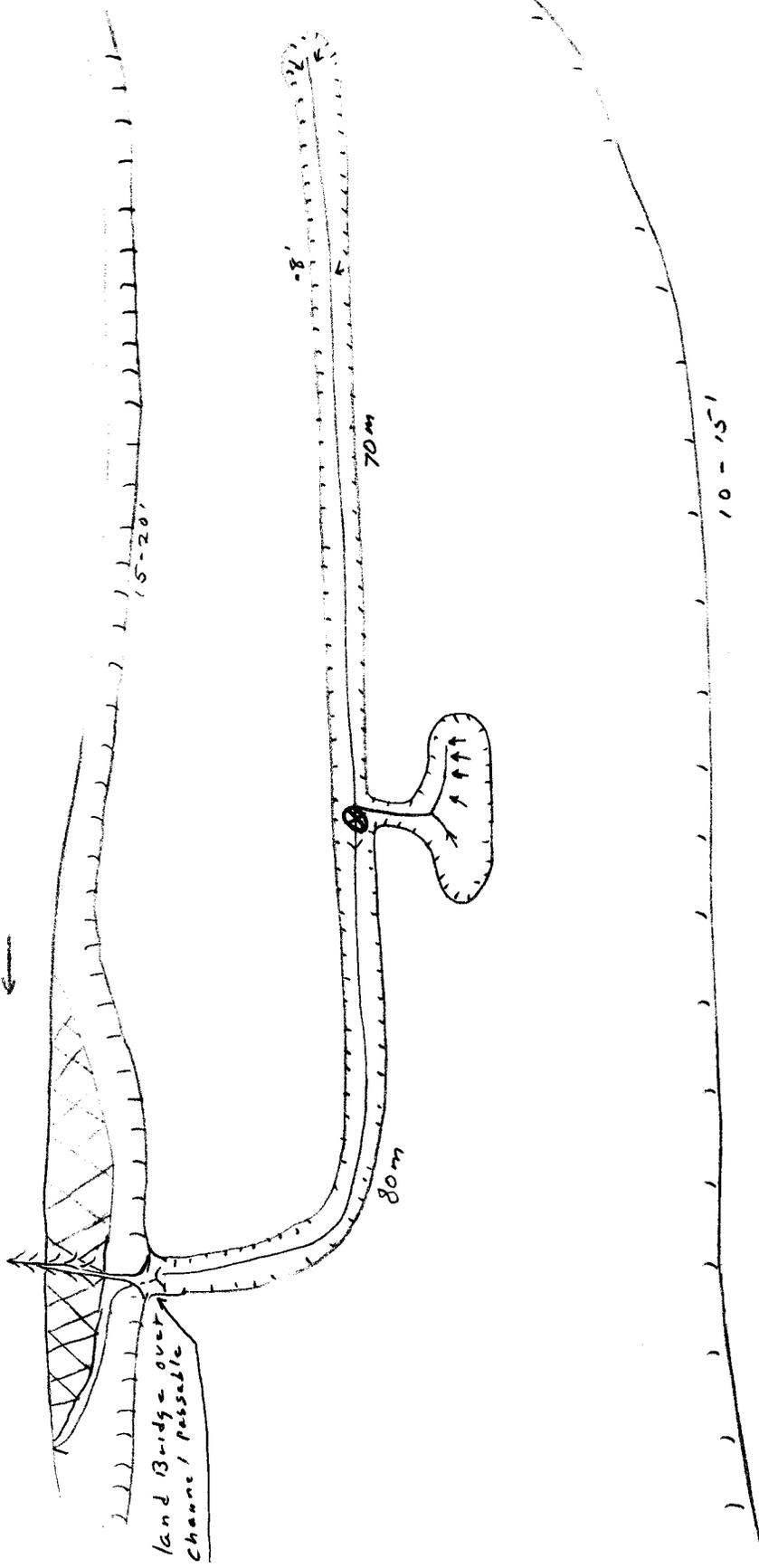
Set a minnow trap, baited with a commercially prepared roe, at the mouth of the LB trib in the middle reach of C-L1-06 (see attached map). The trap was set in 8 inches of water near some woody debris. The woody debris helped slow the current (no pools or slack water).

DATE: 3/20/90

OBSERVER: Nettnin

Pulled minnow trap that was set on 3/19. Caught one, fat 7 inch CT trout and one sculpin.

Calawah R. ←

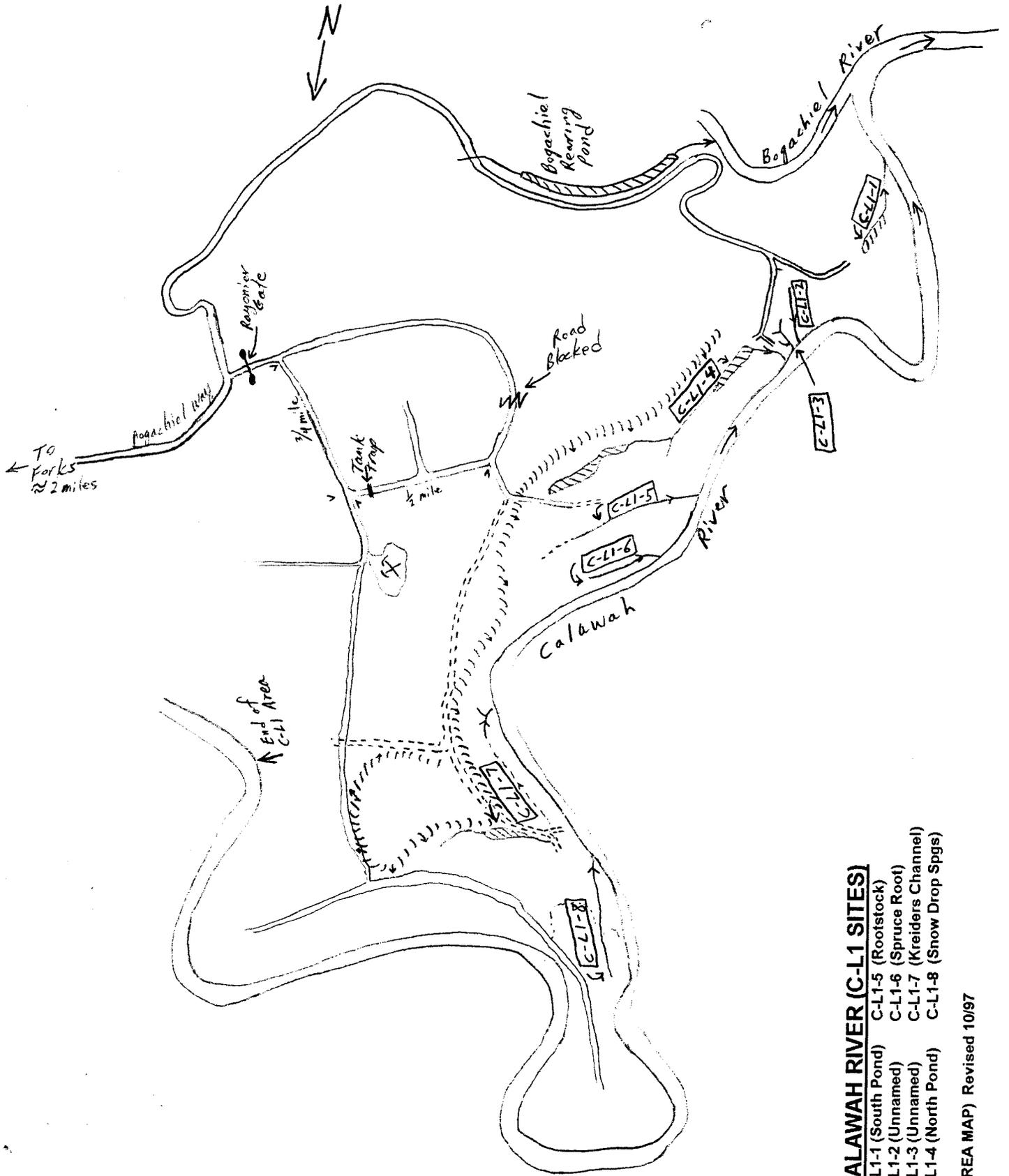


⑧ Minnow Trap site 3/90

CaLawah River

Site: C-11

Channel: C-11-D6



CALAWAH RIVER (C-L1 SITES)

- C-L1-1 (South Pond) C-L1-5 (Rootstock)
- C-L1-2 (Unnamed) C-L1-6 (Spruce Root)
- C-L1-3 (Unnamed) C-L1-7 (Kreiders Channel)
- C-L1-4 (North Pond) C-L1-8 (Snow Drop Spgs)

**Calawah R.
site: C-L1
site map
2/90**

