

SITE NUMBER: C-L1-07
LOCAL NAME: Kreider's Channel
WRIA: 20.0175F

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Calawah R. **DATE:** 3/19/90 **OBSERVER:** Nettnin

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

TRIBUTARY TO: Calawah R. (20.0175)

SITE LOCATION: L.B. @ River Mile: 1.7 (WDF)

LEGAL DESCRIPTION:

	UPPER END	LOWER END	RIVER TEMP
<u>WATER TEMP:</u>	48 F	48 F	45 F
<u>FLOW (CFS):</u>	≤ 0.5	1 - 1.5	

SUBSTRATE TYPE: Mostly silty mud or clay. A small amount of silty gravel is present in the lower end of the channel.

SITE SIZE: **Length-** 700 - 750 m
 Width- Water surface = 3 - 5 ft (excluding ponds)
 Channel = 5 - 10 ft (excluding ponds)
 Depth- 4 - 6 in (excluding ponds)

WATER SOURCE: Springs

DIRECTIONS TO SITE: Head north on Hwy 101 to the town of Forks. Proceed to the center of town. Turn left at Bogachiel Way (just past Pay & Save Grocery). Stay on Bogachiel Way about 3 miles until coming to W.D.W.'s 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. Turn right and follow the road to the north pond. Walk upstream of the pond to the upper end of channel C-L1-04. A road comes down off of the terrace wall just beyond the upper end of C-L1-04. Walk up this road to the top of the terrace wall then turn left onto an old grade. Proceed north along the old grade about 1 mile. Stay left as the grade drops down off of the terrace wall to the Calawah River. C-L1-07 is located at the bottom of the hill.

FISH ACCESS AND CURRENT USE: Under current conditions there is a small (1 ft) plunge at the mouth. A 2 to 3 ft high beaver dam is found 5 m above the mouth of the channel. Both are passable at higher flows. A school of 20 to 30 1+ salmonids of undetermined species were observed in the lower 100 m of the channel.

FLOODING POTENTIAL: Moderate in the lower 230 m. Low in the upper 380 m. During the highest freshets of the past winter it appears that floods waters over topped the lower reach of the channel.

LANDOWNER: Unknown at this time.

(Continued on next page)

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(Continued)

COMMENTS & RECOMMENDATIONS: The lower 80 m of C-L1-07 is currently watered and appears to have good winter rearing habitat. A 75 to 100 m stretch along the middle reach of the channel was dry. This area appears to dry up shortly after freshets. The upper 380 m of channel is watered and appears to provide very good rearing habitat.

ATV riders have developed some "hog wallows" where the old grade comes down off the terrace and crosses the channel. If any habitat enhancement work is attempted here, consideration for the presence of ATVs should be made.

One minnow trap was set in the lower reach of C-L1-07 and two minnow traps were set in the upper reach. All traps caught at least one coho (see subsequent evaluation for details).

Recommend channelizing that portion of the middle reach that dries up. Channel beading in the upper reach would enhance the rearing capacity.

RIVER SYSTEM: Calawah R.
SITE NUMBER: C-L1-07
POND NAME: Kreider's Pond

POND DATA SUPPLEMENT

DATE: 3/19/90

OBSERVER: Nettnin

INLET

OUTLET

WATER TEMPERATURE:

46 F

47 F

POND SIZE:

LENGTH - 70 m

WIDTH - 4 - 5 m

EST. MAXIMUM DEPTH - 2 - 3 ft

WATER SOURCE: Terrace trib. and springs

FISH ACCESS & CURRENT USE: Access is possible only on high flows, when the middle reach of C-L1-07 is watered. There are fish in the pond at present (see subsequent evaluation).

TYPE & AMOUNT OF IN POND COVER: Sufficient amounts of coho cover are provided by LOD, sedge grass and overhanging brush. Dark water color also may provide cover.

COMMENTS & RECOMMENDATIONS: This is the largest pond in a series of small ponds (or large pools) in the mid to upper reach of channel C-L1-07. A control at the outlet of this pond would increase the coho rearing habitat. An improved egress channel, providing more reliable access into and out of the pond and the upper reaches of C-L1-07 should have top priority, however.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Calawah River

Channel No.: C-L1-07
Site Name: Kreider's Channel
WRIA: 20.0175F

DATE: 4/11/90

OBSERVER: Nettnin

Three minnow traps, baited with a commercially prepared roe, were set in C-L1-07. One trap (#1) was set in the lower reach of the channel. The other two traps (#2 and #3) were set above the intermittent reach of C-L1-07.

Trap #1 was set under LOD and an overhanging bank in about 18 inches of water. The overstory at this site was alder and conifer mix.

Trap #2 was set in a small pond just above the point where C-L1-07 emerges from the terrace. It was set under a suspended log in about 18 inches of water. Lots of salmon berry along the banks and an overstory of alder.

Trap #3 was set in a small pool about 20 m above the old grade crossing. It was set under some LOD in about 12 to 15 inches of water.

DATE: 4/12/90

OBSERVER: Nettnin

Fished minnow traps that were set on 4/11/90.

Results: **#1 trap:** 4 coho (100 - 120 mm); 28 sculpin (30 - 50 mm)

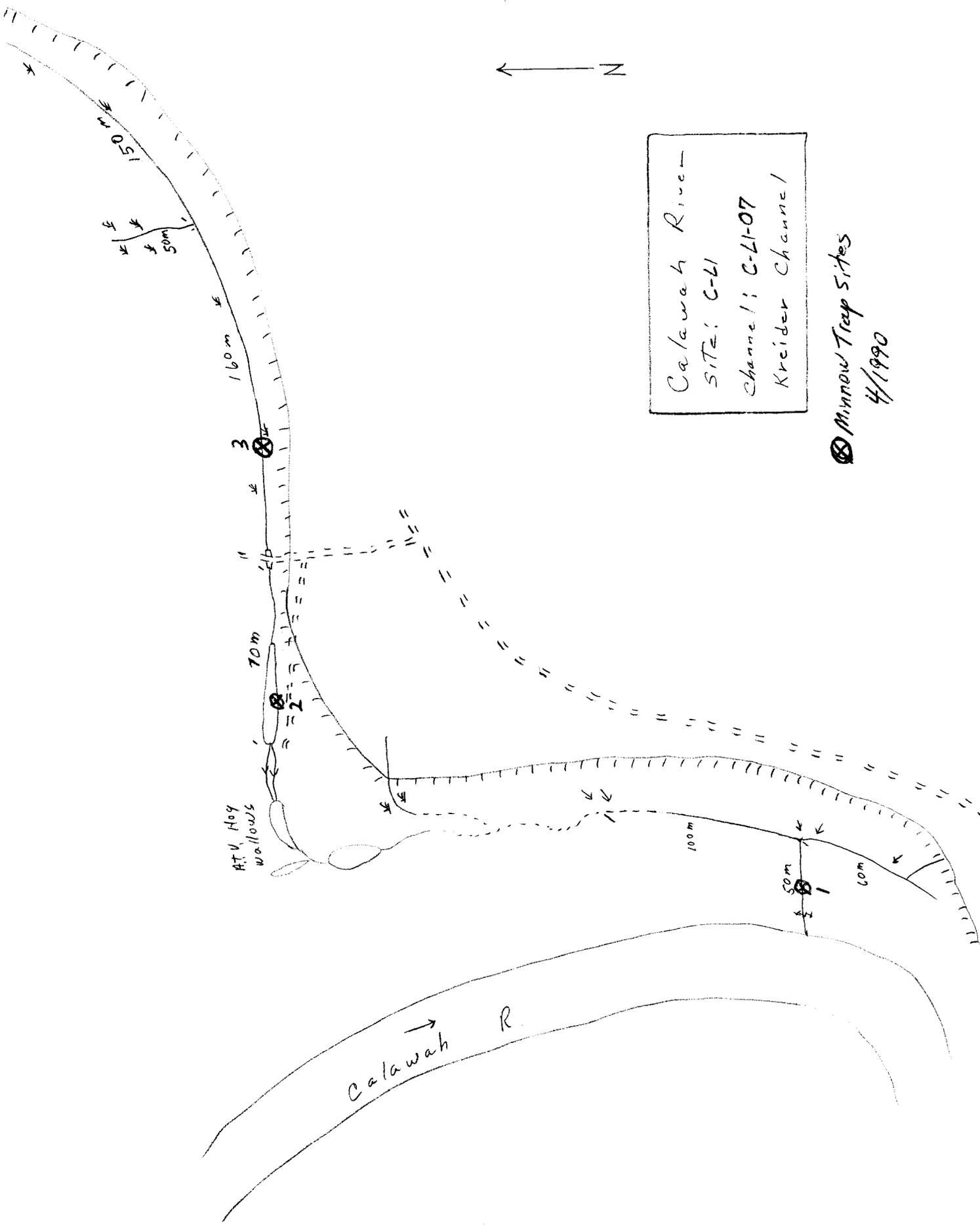
#2 trap: 1 coho (100 mm); 12 sculpin (50 - 80 mm)

#3 trap: 3 coho (100 - 120 mm)

All coho looked in good condition and partially smolted.

Water Temp.: 48 F (traps # 1 and #2)
 49 F (trap #3)

Flow was down to < 0.25 cfs in the lower channel. Flow in the intermittent reach was about the same as when the channel was first surveyed.



Calawah River -
 SITE: C-21
 Channel: C-21-07
 Kreider Channel

Minnow Trap Sites
 4/1990



Calawah R.

HAY MOW
 WALLOW

50m

160m

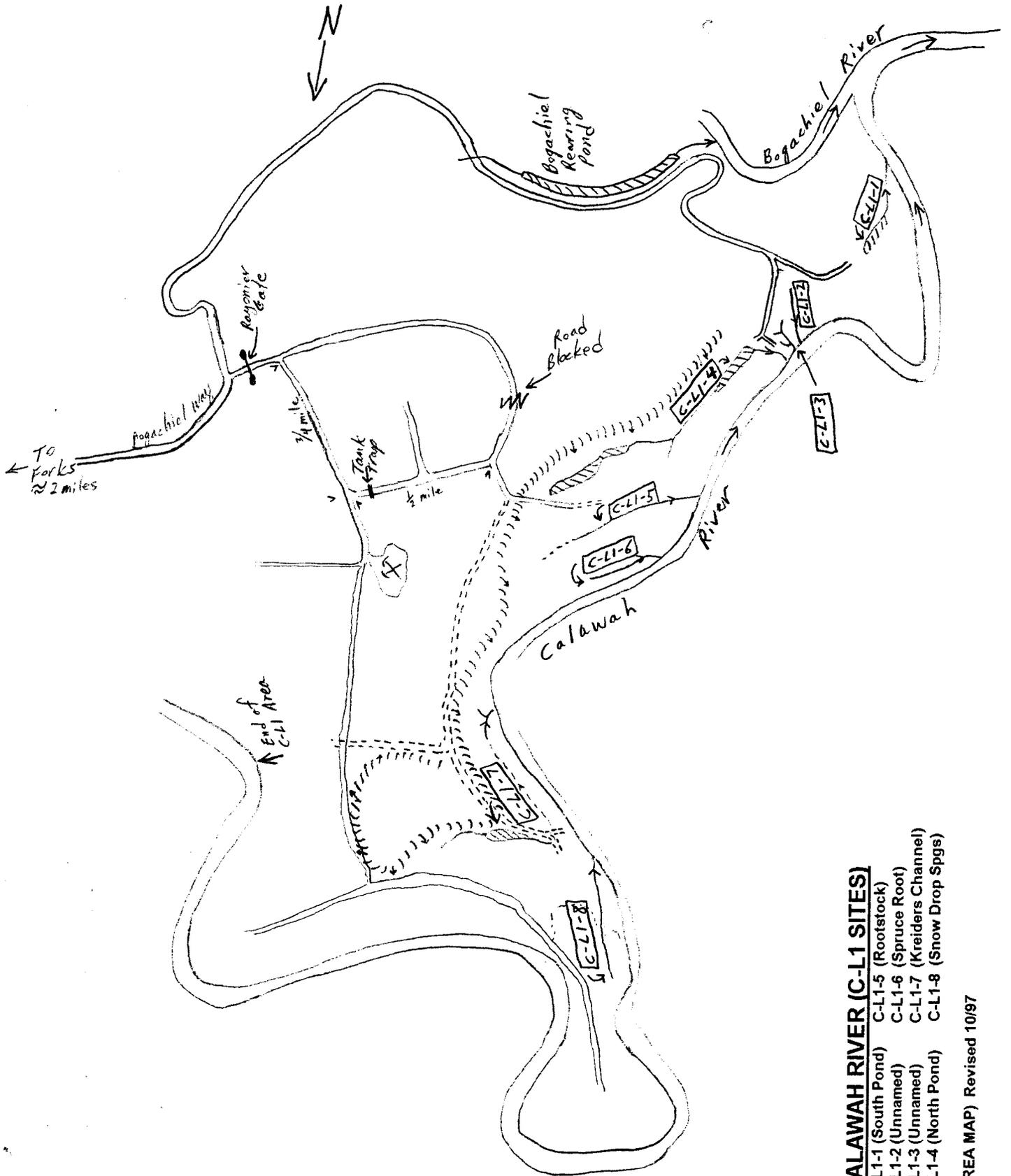
70m

100m

50m

60m

150m



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-1
Site map
2/90**

