SITE NUMBER: CW-R8-02
LOCAL NAME: Bull Creek #1
WRIA:

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Clearwater **DATE:** 6/28/88 **OBSERVER:** Nettnin

CHANNEL TYPE: Terrace tributary

TRIBUTARY TO: Bull Creek (21.0085)

SITE LOCATION: River mile - 0.1 L.B.

LEGAL DESCRIPTION:

	UPPER END	LOWER END
DISSOLVED OXYGEN:	5.0 mg/l	N/A
WATER TEMP.:	52 F	50 F
AIR TEMP.:	55 F	55 F
FLOW (CFS):	20 - 40 gal/min	20 - 40 gal/min

SUBSTRATE TYPE: Lower end = Mud. Upper end = Small gravel and sand.

SITE SIZE: **Length**- Approx. 200 m
Width- 2 - 3 ft
Depth- 6 - 12 inches.

WATER SOURCE: Springs.

DIRECTIONS TO SITE: Head north on Hwy 101. Turn right 0.9 mi. beyond mile post 146 onto the Clearwater Rd. Proceed north 4.5 miles until coming to mile post 25.5 (the first in a series of descending half mile markers). Stay on the mainline. Turn right between MP 16.5 and 16.0 (just past the one lane Snahapish River bridge) onto the C-3000. Stay on the C-3000 for 0.6 miles until coming to a concrete bridge. This bridge crosses Bull Creek at RM 0.4. (See site direction map).

FISH ACCESS AND CURRENT USE: 0+ coho were observed in the lower end of the channel. The channel may dry up by the end of the summer.

FLOODING POTENTIAL: High in ther lower 60 m of the channel. Low in the upper reaches of the channel.

LANDOWNER: Unknown at this time. Possibly ITT Rayonier.

COMMENTS & RECOMMENDATIONS: This terrace trib drains a small, shallow swamp which is some 20 to 30 m in diameter. During the winter the swamp appears to have a maximum water depth of about 2 ft. The habitat in CW-R8-02 could be enhanced by pool development in both the channel and the marsh.

DATE: 11/17/88 **OBSERVER:** King, Young, Nettnin

Main channel of Bull Ck. needs S.D.R. to route creek back into old channel. Log jam has forced creek through a new channel which has a 4 foot falls in it. Additional beaver pond area was found upstream of the original off channel pond. This needs some method devised to get fish over dams. Nice looking site with good water, but needs some access work.

DATE: 11/17/88 **OBSERVER:** Nettnin

A.) Flow in lower channel (below ponds) was approx. 0.5 cfs.

B.) Lower pond was full and overflowing along its west bank (about 0.5 cfs) directly into Bull Creek .

C.) Much more ponded area upstream of the lower pond than indicated on original survey of this area. A very nice rearing area created by beaver dams. Map will be revised.

D.) Recomend pulling out lower dam and eliminating the lower, shallow pond. This would eliminate the overflow from the west bank of the pond and direct this flow down the one main channel for better attraction. It would also remove one obstacle for up-migrating juvenile coho.

E.) Recommend removal of the large debris jam in lower Bull Cr. and modifying the entrance to Bull Cr. to improve attracation.

DATE: 12/1/88 **OBSERVER:** Nettnin, Young

Electroshocked at two sites downstream of the series of beaver ponds and at various sites throughout the ponds (see map). Results are listed below:

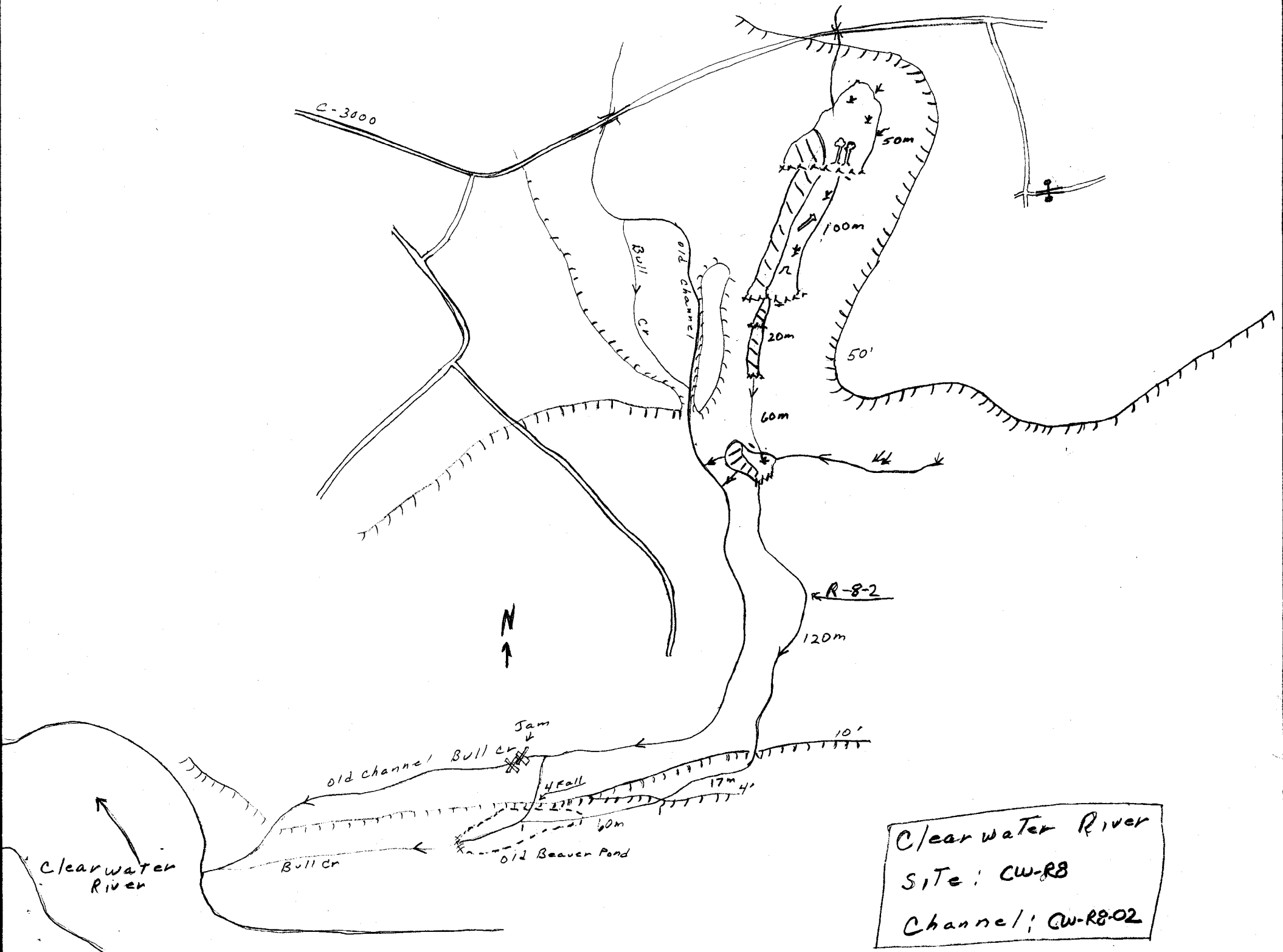
Site Area	Effort (Sec.)	Results
1.) Approx. 50 to 100 m downstream of the beaver ponds.	120	Caught 7 coho, 2 trout and rolled 1 other salmonid. The coho were rather small.
2.) From 20 m below the first beaver dam to the base of the dam.	100	Caught 2 coho and 4 trout. The coho were small pinheads.
3.) Lower end of the lowest pond (i.e. just above the dam).	176	Caught 1 coho and rolled 1 six to eight inch salmonid.
4.) Upper (NW) corner of the lowest pond.	36	Caught 1 coho.
5.) Just upstream of the lowest beaver pond.	112	Caught 7 coho in a 10 to 15 m stretch of the channel.
6.) Plunge pool at base of second major dam.	43	Caught 1 coho and 1 trout.
7.) Ponded area behind 2nd major beaver dam.	72	Caught 1 coho.
8.) Ponded area behind third beaver dam.	138	Caught 1 coho and rolled 1 other salmonid.
9.) Lower end of the large pond beind the fourth beaver dam.	100	No fish were caught or rolled.

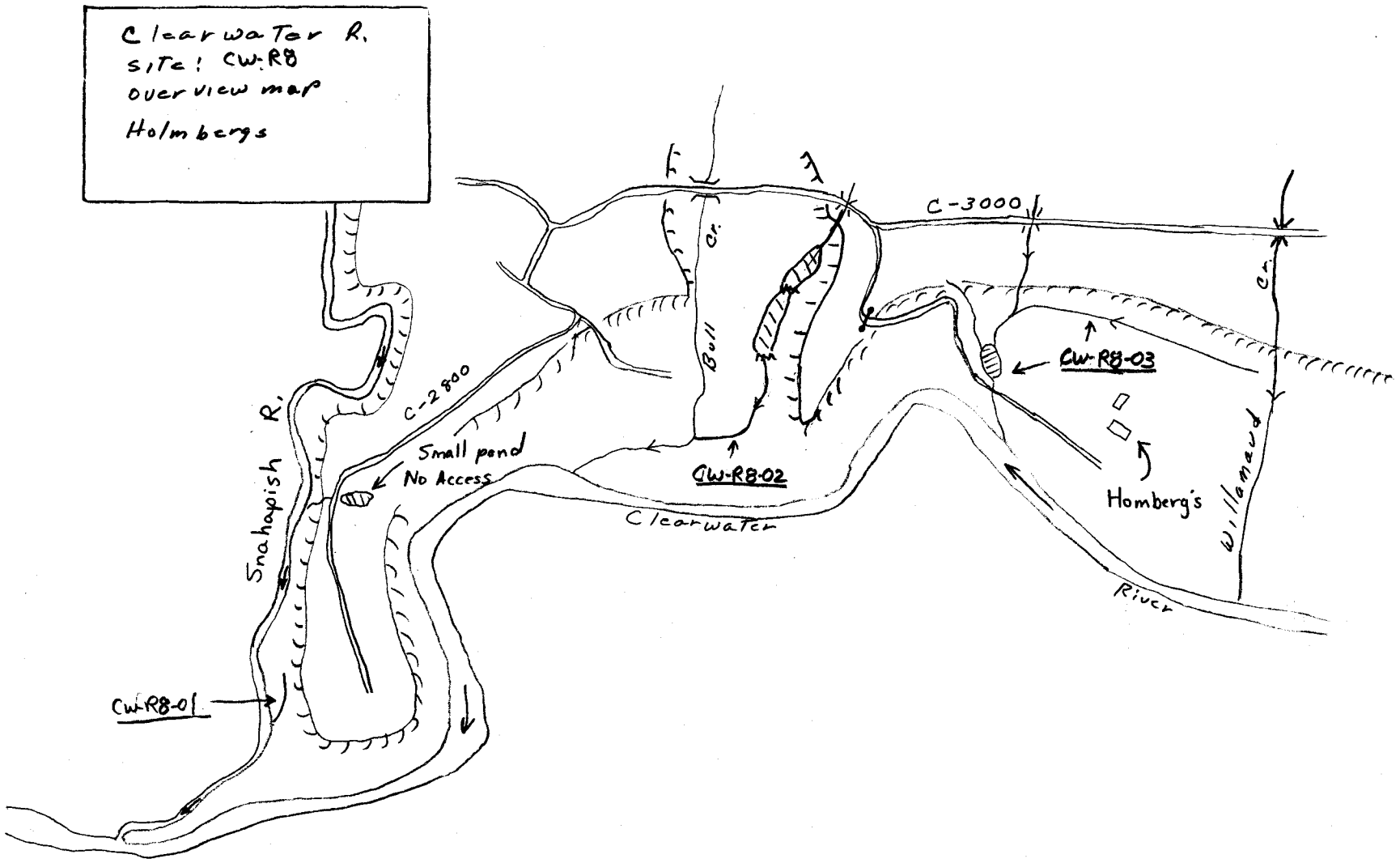
Note: The coho seen in the ponded areas were much larger (80-100 mm) than the coho found downstream of the ponds (50- 60 mm). If coho were seen in the third beaver pond, then it seems likely that under proper conditions they should also be able to make it into the large, upper pond. While no coho were seen in the upper pond, the area shocked compared to the total area of the pond was very small.

DATE: 5/18/89 **OBSERVER:** Nettnin

These observations were made during an extended dry period. There has been no significant rainfall since early April.

Flow in the channel was estimated at about 0.25 cfs. Any fish in the beaver ponds at this time are currently trapped. There is a series of five dams along the mid and upper reaches of this channel. The lower three dams are relatively small, but will limit the upstream migration of juveniles coho during low flow periods. One unidentified fish was seen in the lowermost pond. The upper two dams and ponds are 30 to 40 m wide. The maximum winter depth in these two large upper ponds is 3 to 4 ft. Water temperature at the inlet of the uppermost pond was 52 F. Water temperatures taken in the two upper ponds ranged from 59 to 63 F. (A revised channel map for CW-R8-02 has been included with this write up.)


C-3000
50m
100m
20m
60m
50'
Bull Cr
old channel
R-8-2
120m
N
Jam
old channel Bull Cr
10'
4' Fall
17m
4'
60m
old Beaver Pond
Bull Cr
Clearwater River
Clearwater River
Site: CW-R8
Channel: CW-R8-02


Clearwater R.
site: CW-R8
overview map
Holmbergs
C-3000
Cr.
Bull
C-2800
Small pond
No Access
CW-R8-02
CW-R8-03
Homberg's
Willamard
Cr.
Snahapish R.
Clearwater
River
CW-R8-01

(Rev 5/89)

Clearwater site! CW-R8