

**SITE NUMBER:** CW-L8-01  
**LOCAL NAME:** Manor Springs  
**WRIA:**

**NORTH COAST OFF CHANNEL SITE INVENTORY DATA**

**RIVER SYSTEM:** Clearwater    **DATE:** 6/30/88    **OBSERVER:** Nettnin

**CHANNEL TYPE:** Terrace tributary (wall-based)

**TRIBUTARY TO:** Clearwater River (21.0024)

**SITE LOCATION:** River mile - 21.3 L.B.

**LEGAL DESCRIPTION:**

	<b>UPPER END</b>	<b>LOWER END</b>
<b><u>WATER TEMP.:</u></b>	49 F	51 F
<b><u>AIR TEMP.:</u></b>	52 F	52 F
<b><u>FLOW (CFS):</u></b>	Seep	< 0.1 (5 -10 gal/min)

**SUBSTRATE TYPE:** Mostly silt and mud. Some small gravel.

**SITE SIZE:**    **Length-** 500 m  
                  **Width-** 2 - 3 ft (10 - 12 ft in lower 40 m)  
                  **Depth-** 4 - 6 inches. (Pools to 12 inches)

**WATER SOURCE:** Springs. Lower 40 m may receive perk water from the river and probably overflow during winter floods.

**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). Continue on the mainline. Stay to the right (the C-1000) as the road forks between MP 21.5 and 21.0 (just past the Shale Creek bridge). Continue along the C-1000. Take the second left after crossing the Manor Creek bridge (see site direction map).

**FISH ACCESS AND CURRENT USE:** Good fish access. 0+ coho are presently utilizing the channel.

**FLOODING POTENTIAL:** Moderate to low. Some backwater flooding.

**LANDOWNER:** Unknown at this time. Probably DNR.

**COMMENTS & RECOMMENDATIONS:** A combination of controls and beaded channel would work well in CW-L8-01. A small pool near the upper end of the channel could also be deepened. The flows should be checked later in the summer. It may be possible to divert a small valley wall trib located just upstream into channel CW-L8-01. There is no machine access at this time.

**GPS: (decimal degrees, Datum WGS84):**

N47.66314, W124.13202 - lower project 4/4/02

**DATE:** 11/23/88

A log at the mouth of this channel has plugged with leaves and created a passage problem. The leaves were removed and flow resumed under the log. Four dead coho fry were found in the leaves as they were being removed. This channel could definitely benefit from a beaded channel project. Flow looks good and there is good spring action all along the hillside.

**DATE:** 11/30/88

Several sites were electroshocked along the entire length of this channel (see map). Results are listed below:

Area	Effort (Sec.)	Results
1.) About 100 m upstream of the mouth.	42	Caught 5 coho and 1 rainbow.
2.) Just downstream of the large spruce on LB of channel.	13	Caught 2 coho and 2 rainbows.
3.) At large spruce tree on LB of channel. other salmonids.	40	Caught 3 coho and rolled 2
4.) Just upstream of the large spruce on LB of channel.	68	Caught 1 coho, 1 trout and rolled 2 other salmonids.
5.) Midway between spruce tree and upper end of channel.	49	1 coho and 3 rainbows.

Note: Appears juvenile coho have access to and are utilizing the entire channel (i.e. mouth to the alluvial fan) to some extent.

**DATE:** 8/96

**OBSERVER:** King

WDFW, in conjunction with an inmate crew from the Clearwater Corrections Center, installed seven cedar plank controls in this channel to create additional rearing area for juvenile fish.

**DATE:** 12/11/96

**OBSERVER:** Nettnin, Powell, Darrow

Seven plank controls were installed in this system this summer by the Camp crew. Everything looked good. Trout fry were observed in the lower channel and coho juveniles were observed in a pool in the project.

**DATE:** 4/22/97

**OBSERVER:** Nettnin

All weirs have some erosion, however, there is no passage problem at this time. It is estimated that during one or more of the 96-97 storm events, 7.2 CFS may have flowed through the project. Repairs are

**DATE:** 8/4/97

**OBSERVER:** Nettnin

Weirs one through five had some degree of erosion damage due to high water high water events. This damage was repaired by adding rock and fill. The risers were modified to allow more area along the weir for water to spill.

**DATE:** 9/18/97

**OBSERVER:** Nettnin

Project is functioning well and repair work has no apparent leakage.

**DATE:** 3/12/98

**OBSERVER:** Nettnin

Project looks good - no problems. Pools could use additional woody debris.

**DATE:** Fall/98

**OBSERVER:** Nettnin

-Installed covered structures in pools

-Checked in October: lower 4 weirs were dry, the upper three were watered

-All weirs appeared tight

**DATE:** 5/4/99

**OBSERVER:** Nettnin

- The project was checked and two minor leaks were observed: one under the berm between weirs two and three, and the second is on the RB end of weir seven.

G.P.S. position data was taken at the confluence with the Clearwater River, the end of the channel and also at the project site.

- The data for the confluence: East- 1,105,076 ft. North- 870,706 ft.  
- The data for the project East- 1,105,478 ft. North- 870,536 ft.  
- The data for the end of the channel: East- 1,106,414 ft. North -870,919 ft.

**DATE:** 11/10/99

**OBSERVER:** Nettnin

The project was found to be in good condition. The two upper most structures have minor leaks on the right bank ends. Number 6 will need more backfill and number 7 will need to have the end extended into the bank. Flows were up to 3 - 5 cfs.

**DATE:** 7/6/00

**OBSERVER:** Nettnin

The foot bridge has broken lose. Weirs #3 - #7 were full of water. Weirs #1 and #2 had just a trickle of water filtering through them. The river continues to move towards the left bank of the valley.

**DATE:** 11/7/00

**OBSERVER:** Nettnin

No problems were encountered. The river is still migrating towards the project site. It has almost reached the large boulder that was on the edge of the old active flood plain, near the upper end of the channel.

**DATE:** 6/5/01

**OBSERVER:** Nettnin

There are small leaks on the left bank end of weirs 2 and 4, and on the right bank end of weir 7. The access road is tank trapped. The foot bridge is dislodged. Fry were observed in the lower end of project.

**DATE:** 9/11/01

**OBSERVER:** Nettnin

Placed backfill behind weirs number one and two. Secured the bridge that had broken loose. Cleaned up the trail into the project.

**DATE:** 4/3/02

**OBSERVER:** Nettnin

There are minor leaks on weirs number 6 and 7. The river is getting closer to the lower end of the channel.

**GPS: (decimal degrees, Datum WGS84):** N47.66314, W124.13202 - lower project.

**DATE:** 12/12/02

**OBSERVER:** Nettnin

A small leak has developed on the right bank end of weir six. A temporary patch was made but it will need more work the next visit. The rest of the project looked good. The project could use more cover structures. The river has moved to the left a little more. The river is at the large boulder again. Upstream of the boulder, the river has bent from the right bank towards the left bank, at the upper end of the project. Presently, the project is protected by a large blowdown spruce tree. It is suggested to cable some of the standing trees, just in case.

**DATE:** 4/15/03

**OBSERVER:** Nettnin

Project looks good. The river is still moving towards the left bank.

**DATE:** 9/24/03

**OBSERVER:** Nettnin

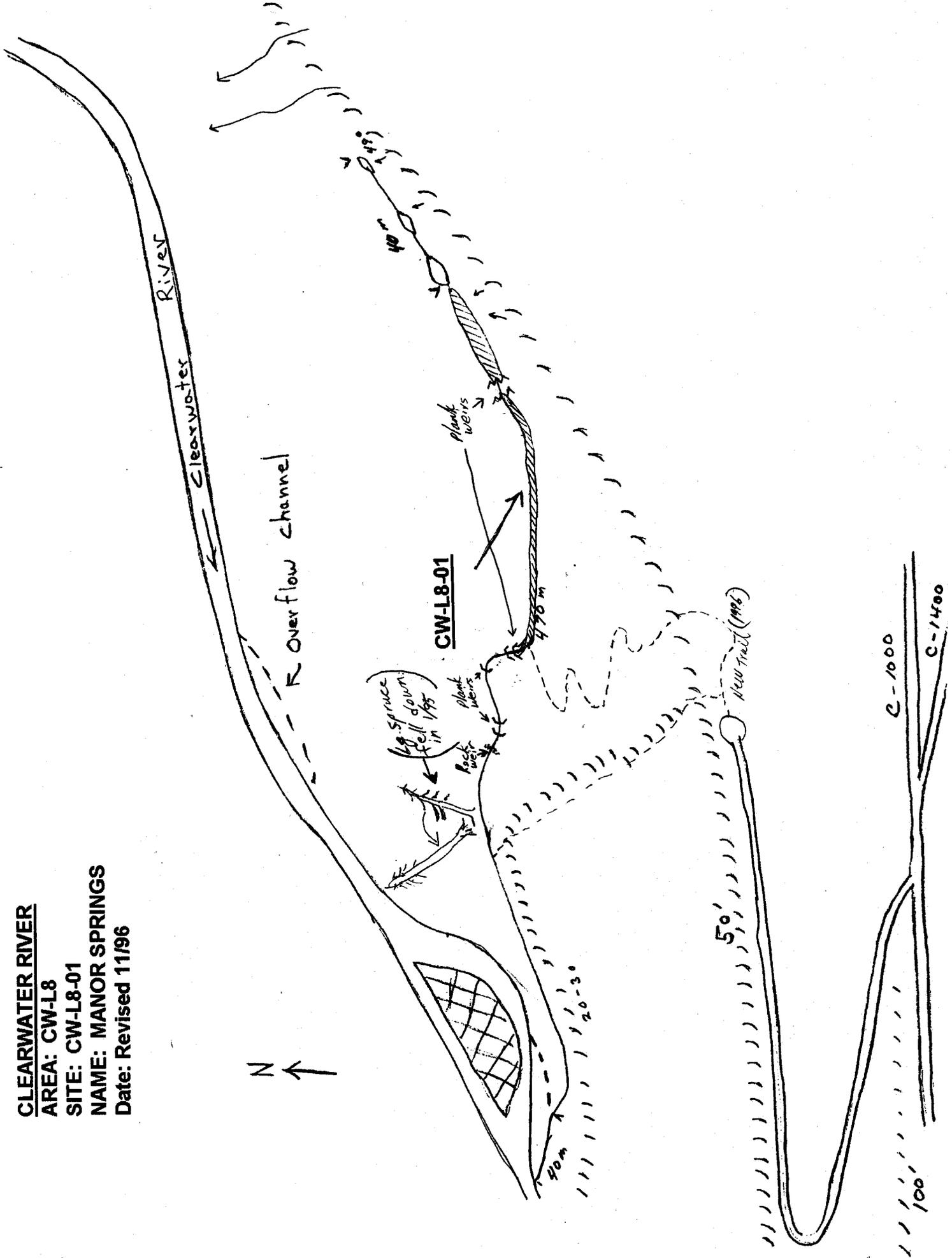
Resealed number six weir and backfilled. Added cover. Channel watered above the number five. Downstream channel is dry.

**DATE:** 10/21/03

**OBSERVER:** Nettnin

The project was checked and no problems were found at the project. The Clearwater river is still migrating toward the project site. It has reached the very large boulder that was on the edge of the old active flood plain near the upper end of the channel.

**CLEARWATER RIVER**  
**AREA: CW-L8**  
**SITE: CW-L8-01**  
**NAME: MANOR SPRINGS**  
**Date: Revised 11/96**

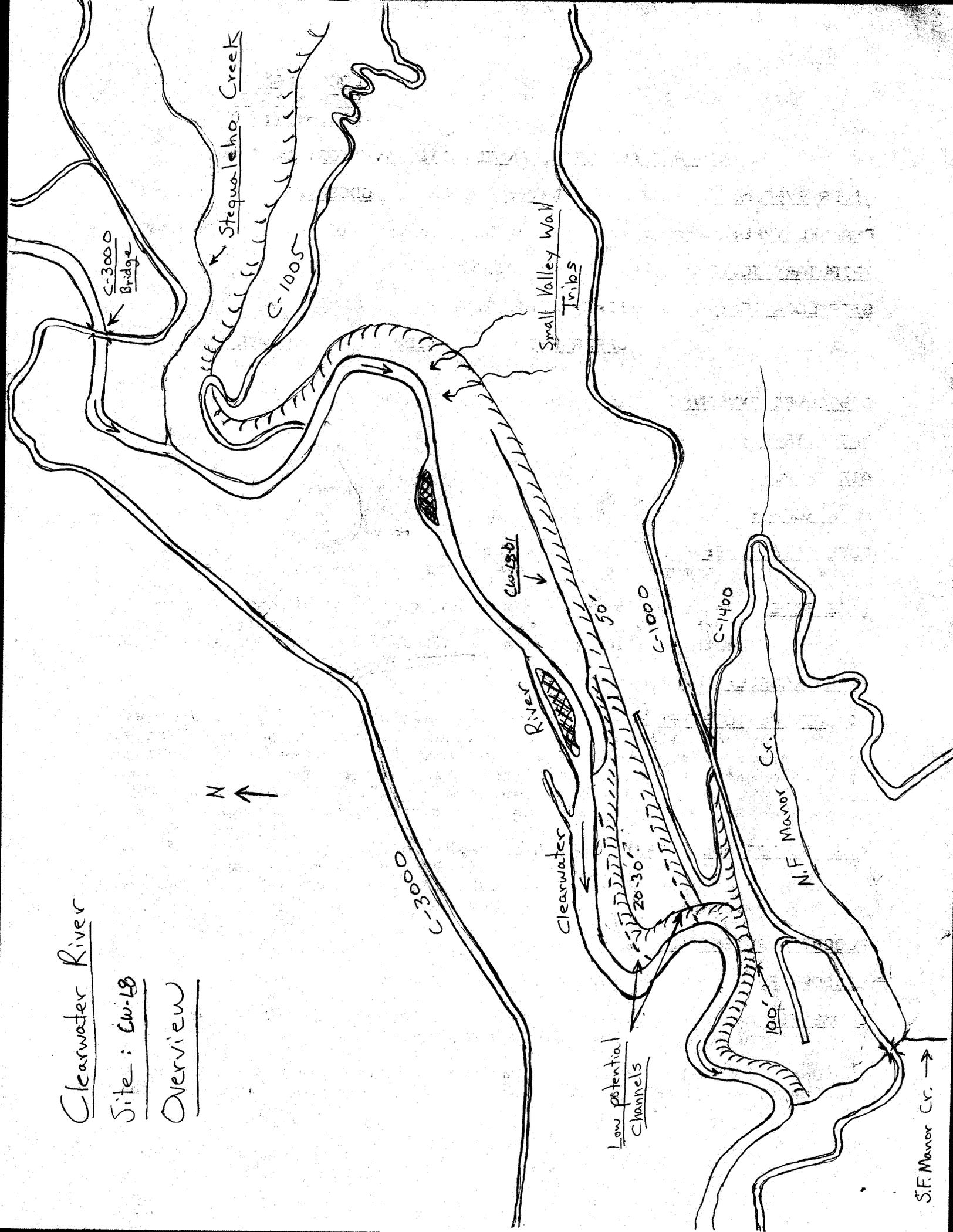


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Clearwater River

Site: Cw-18

Overview



Clear water site: CW-18

