

**SITE NUMBER:** WD-L1-04  
**LOCAL NAME:** Cascade Marsh  
**WRIA:**

**NORTH COAST OFF CHANNEL SITE INVENTORY DATA**

**RIVER SYSTEM:** W.F. Dickey **DATE:** 2/24/93 **OBSERVER:** Nettnin

**CHANNEL TYPE:** Terrace Trib.

**TRIBUTARY TO:** W.F. Dickey

**SITE LOCATION:** LB @ RM: 10.1 (USGS)

**LEGAL DESCRIPTION:** SE ¼, Sec 19, Twp 29 N, Rng 14 W

	<b><u>UPPER END</u></b>	<b><u>LOWER END</u></b>	<b><u>RIVER TEMP</u></b>
<b><u>WATER TEMP:</u></b>	5° C	2° C	1.5° C

<b><u>FLOW (CFS):</u></b>	0.1 - 0.3	1.0 - 2.0	
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**SUBSTRATE TYPE:** Silt and sand

**SITE SIZE:** **Length-** 1400 m, Plus 340 m of trib.  
**Width-** Water surface = 0.5 - 1.0 m Marsh = 2 - 8 m  
Channel = 0.5 - 2.0 m Marsh = 4 - 8 m  
**Depth-** 8 - 15 cm **Max-** 15 - 20 cm Marsh = .3 - 1 m

**WATER SOURCE:** Springs and surface runoff.

**DIRECTIONS TO SITE:** Head north from Forks on Highway 101 about 3.1 mi. Turn left (west) about 0.1 mi. beyond MP 195 onto the D-2000. Proceed west on the D-2000 for 6.35 mi. to the D-2600. Turn left onto the D-2600 and proceed 2.1 mi. to The D-5200, then left on the D-5200 for 2.0 mi. to an unnumbered spur to the right (the spur is 0.4 mi. beyond the old D-5210 jct., but the bridge is removed) turn onto the spur and proceed to the end of this spur. Walk downstream along the W.F. Dickey R. following the old grade about a 0.1 mi. to WD-R1-04.

**FISH ACCESS AND CURRENT USE:** Fish have excellent access on all flows. One fish was observed above the D-5200.

**FLOODING POTENTIAL:** High, back water flooding in the lower 200 m reach.

**LANDOWNER:** Unknown at this time probably ITT Rayonier.

**COMMENTS & RECOMMENDATIONS:** This stream has:

- An excellent egress.
- Low gradient for a 1000 m.
- Moderate gradient for additional 300 m.
- Two large marshes. The lower one has active beaver activity; the upper one was ponded at one time, but the beaver dam has since failed.
- Very little shade because of the marshes and recent logging.
- Good cover through out the system.

**Recommend:**

- Install a control at the lowest grade crossing, to backwater the lower marsh.
- Install a control were the beaver dam was in the upper marsh.
- Remove the culvert on the left branch.

**GPS: (decimal degrees, Datum WGS84):** 10/18/02

upper project - N48.00369, W124.55412

lower project - N48.00349, W124.55799

**NORTH COAST OFF CHANNEL SURVEY**  
**SUBSEQUENT SITE EVALUATION FORM**

**River System:** W.F. Dickey

**Channel No.:** WD-L1-04  
**Site Name:** Cascade Marsh  
**WRIA:**

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**DATE:** 2/25/93

**OBSERVER:** Darrow

Set two minnow traps, baited with coho eggs, in the area of the dug out culverts. Five cottid were the fish caught.

**DATE:** 8/96

**OBSERVER:** King

An old culvert was removed from a logging road near the mouth of the channel. Four log controls and one cedar plank control were installed in the channel where the culvert had been. The uppermost log control was set at an elevation to pond water upstream of the road grade.

In addition, about 400 meters upstream from the log controls, a cedar plank control was installed in the channel where a culvert had already been removed from a logging road grade. The control was placed at an elevation that created a large pond upstream. Immediately downstream from this control, the stream bed was built up to create a roughened channel which serves to make up the drop over the plank control.

**DATE:** 11/14/96

**OBSERVER:** Powell

Project was completed here this summer. Lots of water and everything looks good. There is beaver activity on the control in roughen channel.

**DATE:** 4/21/97

**OBSERVER:** Powell

Everything looked good - everything held up well this winter. There is a good flow through the system. No beaver activity (trapper in area during trapping season).

**DATE:** 10/8/97

**OBSERVER:** King

Inspected project - looks good.

**DATE:** 4/12/98

**OBSERVER:** Darrow

Looks good. Upper plank control and lower log controls are free of beaver debris. About ~1.75 - 2 CFS. Observed fry and a couple 1+ salmonids in lower end of project.

**DATE:** 12/6/98

**OBSERVER:** Darrow

Removed beaver dam from upper end plank control. Lower end clear of dams or obstructions to river. Healthy flow due to dam removal upstream. Found one adult female coho carcass on beaver dam face.

**DATE:** 4/18/99

**OBSERVER:** Darrow

No problems encountered in either upper or lower end. No recent beaver activity. Observed rises on lower end of ponded area, upstream of top log control.

**DATE:** 10/21, 11/9, 12/1/99

**OBSERVER:** King

Lower controls are fine. Saw possible redds on 12/1. Removed beaver dam from roughened channel area on all three occasions.

**DATE:** 4/24/00

**OBSERVER:** Darrow

There was a partial beaver dam at the upper control - it was passable. The lower end, five controls, were clear. The marsh was full and there was a good flow. There was some minor flow trickling across the road in two places. Observed some rises on the pond, above the control area.

**DATE:** 11/14/00

**OBSERVER:** King

Roughened channel looks good. New boulders that were added this summer are still in place. May need to add smaller cobble to gill gaps between boulders. Beaver dam was in typical place, about one meter upstream from weir. Lower channel log controls were fine except a small six inch beaver dam was on the upper log.

**DATE:** 3/12/01

**OBSERVER:** Darrow

Beaver dam at upper control was open and flowing fine. Cleared some drift debris between the bottom two control logs. This site received 1 tote of coho carcasses this fall from the Sol Duc Hatchery - there are still some remnants. Observed some rises above control bays.

**DATE:** 10/23/01

**OBSERVER:** Nettnin

There was a beaver dam on the number 5 weir. It was not a problem at the time. The roughened channel looks good. The beaver dam at this location was breached.

**DATE:** 12/8/01

**OBSERVER:** Darrow

Flows are high on this date and visibility was not optimum for redd detection. Did not observe any spawning activity. No recent beaver activity.

**DATE:** 12/11/01

**OBSERVER:** Darrow

A tote of salmon carcasses (about 120 fish) were distributed throughout the system for nutrient enrichment.

**DATE:** 4/24/02

**OBSERVER:** Nettnin

Project looks good and no beaver activity was detected.

**DATE:** 11/19/02

**OBSERVER:** Nettnin

Small beaver dam at the upper weir. It is passable at present flow.

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

upper project - N48.00369, W124.55412

lower project - N48.00349, W124.55799

**DATE:** 12/18/02

**OBSERVER:** Powell

Opened small beaver dam on the upper weir.

**DATE:** 2/28/03

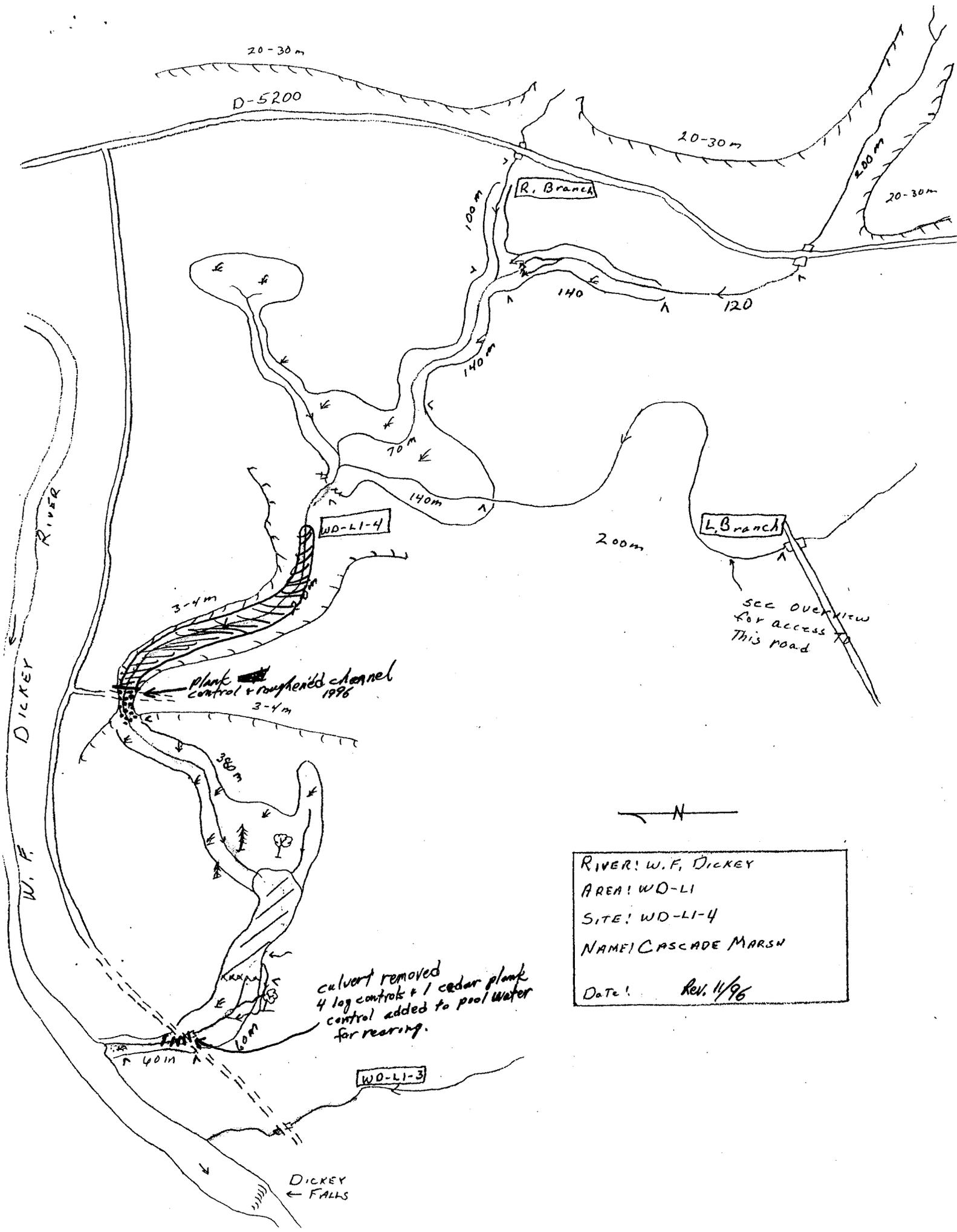
**OBSERVER:** King

Everything looks fine.

**DATE:** 10/23/03

**OBSERVER:** King

Looks good. Small beaver dam was opened.

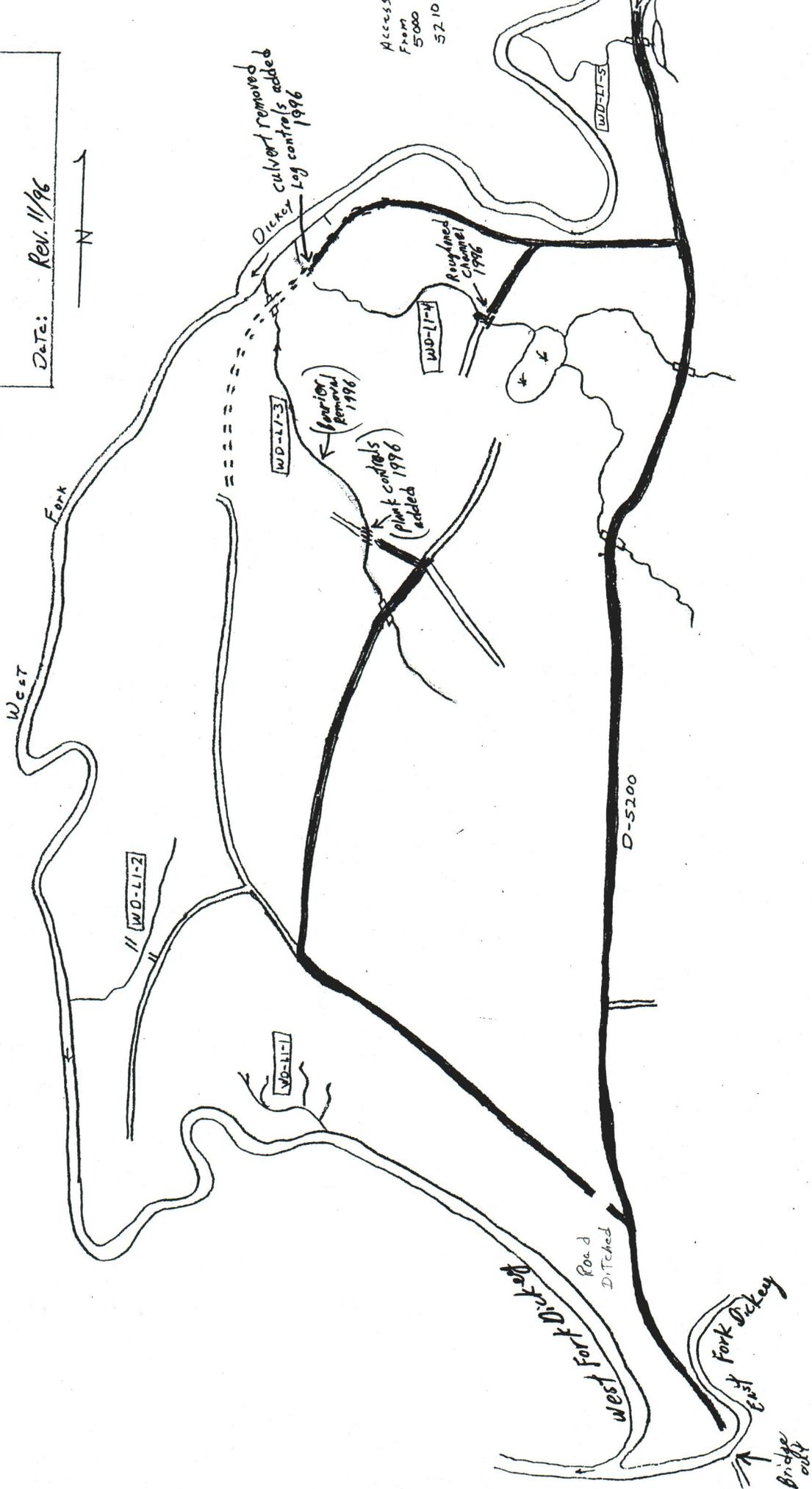


RIVER! W.F. DICKEY  
 AREA! WD-LI  
 SITE! WD-LI-4  
 NAME! CASCADE MARSH  
 Date! Rev. 11/96



RIVER: W. F. DICKEY  
AREA: WD-LI  
OVERVIEW MAP

DATE: Rev. 11/96



Access  
From  
5000  
5210