

**SITE NUMBER:** H-R14-03  
**SITE NAME:** Lewis Channel  
**WRIA:** 20.0470C

**NORTH COAST OFF CHANNEL SITE INVENTORY DATA**

**RIVER SYSTEM:** Hoh      **DATE:** 9/30/94      **OBSERVER:** King, Nettnin

**CHANNEL TYPE:** Excavated Ground Water

**TRIBUTARY TO:** Hoh

**SITE LOCATION:** RB @ RM: 29.0 (WDF)

**LEGAL DESCRIPTION:** SE¼, SEC 30, T27N, R10W

**WATER TEMP:**

	<b>UPPER END</b>	<b>LOWER END</b>	<b>RIVER TEMP</b>
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<b><u>FLOW (CFS):</u></b>	0.75 - 1.5	2.0 - 3.0	
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**SUBSTRATE TYPE:** Gravel, sand, cobble

**SITE SIZE:**      **Length-** 500 Meters  
                         **Width-** Water surface = 3 m  
   Channel = 3 m  
                         **Depth-** = 40 - 60 cm    **max-** 1.0 m

**WATER SOURCE:** Ground Water, Springs

**DIRECTIONS TO SITE:** North on Hwy 101. Turn right between mile post 178 & 179 onto the Upper Hoh Road. Follow this road 10.0 to 10.5 miles until crossing Canyon Cr. (marked by a road sign). Turn right onto a gravel road 0.75 miles east of Canyon Cr. (0.8 miles west of the Olympic Park Boundary). H-R14-03 is 0.25 mi. down this road. (end of the road)

**FISH ACCESS AND CURRENT USE:** Fish have unrestricted access. WDFW is fry trapping this channel in 94 - 95. Spawners have been observed in the channel in 94 -95 season.

**FLOODING POTENTIAL:** Low, The lower end will back water during high water.

**LANDOWNER:** DNR

**COMMENTS & RECOMMENDATIONS:**

- See the plan prints for details of channel constriction.
- This is an excellent looking channel.

**GPS: (decimal degrees, Datum WGS84):** 12/02

upper project - N47.81388, W124.04960  
lower project - N47.81099, W124.05299  
egress - N47.81076, W124.05381

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

**River System:** Hoh

**Channel No.:** H-R14-03

**Site Name:** Lewis Channel

**WRIA:** 20.0470C

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**DATE:** 1/12/89

**OBSERVER:**

This is a nice channel, but short. Deepening the source area may be feasible. Access for machinery may be possible since an old grade parallels the channel.

**DATE:** 1/26/93

**OBSERVER:** Nettnin

Staked high water mark from the 1/20/93 storm. Estimated flows: at access road 1 -2 cfs; lower end 1 - 2 cfs. Temperature: at road 7° C; lower end is 7° C; lower spring 8° C.

**DATE:** 8/94 - 9/94

**OBSERVER:** King, Young, Nettnin

During this time period 450 meters of the channel was excavated from about 70 meters above the mouth upstream to about 200 m above the access road. Since the channel no longer resembles the old channel a new data sheet follows:

**DATE:** 11/94 Thru 1/95

**OBSERVER:**

Several coho redds were detected in the channel this season. There were 2 redds in the lower end of channel below trap box (preproject - existing channel). These redds were detected on 11/9/94 and 12/7/94. We also observed coho adults and 2 redds (possibly 3) from 12/28/95 to 1/4/95 in the new excavated channel.

This information was passed on to the Hoh Tribal stream surveyors via Roger Mosley (verified 2/9/95).

**DATE:** 3/17/95

**OBSERVER:** Powell

The following water chemistry was observed on this date:

pH: 6.0

D.O.: 10 mg/l

Temp: 9° C

Water Hardness - CaCo3: 24 ppm \*

\* There was a flow over upper end cascade.

**DATE:** 3/27/95

**OBSERVER:** Darrow

Successfully trapped US migrants this past fall/winter with no flooding in spite of repeated high river flows; channel has been very well behaved. Some minor erosion occurred upstream. Fish have been observed rising to insects all along channel. Have not seen any emergent fry yet.

**DATE:** 10/23/95

**OBSERVER:** Powell

Trap was activated for upstream migratory catch on the 2nd week of Oct. Trap box and frames (stainless mesh installed) are new. Intake on box tends to plug with debris, so a debris deflector was installed. Trap is catching fish and others have been observed in pools in the channel.

**DATE:** 11/9/95

**OBSERVER:** King

Runoff water was overflowing on the left bank side near the head end of the channel. Overflow at the head end riprap. This channel was minimally affected by the floods.

**DATE:** 4/14/96

**OBSERVER:** Darrow

No problems were encountered this winter with the channel and structures; upper end rock apron has held up well. The aquatic plant growth has been tremendous, and various aquatic insects have been observed. We had 29 coho redds this winter which has resulted in many fry moving downstream via box and large mesh screen. We have yet to have any coho smolts move DS but there has been some minor DS movement of rainbow trout of varying size (56 -128 mm).

**DATE:** September 96

**OBSERVER:** Nettnin

Anchored some existing woody debris and added more to the lower channel.

**DATE:** 10/22/96

**OBSERVER:** Darrow

DNR is responsible for trapping this year. They are simultaneously trapping upstream and downstream migration of juveniles, and upstream adults. More debris was added to the channel. Anchored logs at mouth have stayed put. Observed fish to the upper end of channel.

**DATE:** 3/24/97

**OBSERVER:** Darrow

Rock areas at upper cascade and upper left bank are holding well. Anchor logs at channel mouth had floated and accumulated some more silt under them but did not change their position. Some alders have tipped over below the trap. Trap had backwatered a few times this season. Approx. 8 coho redds were observed in the project and fry are now being seen.

**DATE:** 8/97

**OBSERVER:** Nettnin

Planted willow cuttings along the channel banks.

**DATE:** 10/26/97

**OBSERVER:** Darrow

Aquatic vegetation is well established, cabled LOD has stayed in place, and weak bank areas appear stabilized. Juvenile trapping is being conducted again this year.

**DATE:** 3/14/98

**OBSERVER:** Darrow

Only two redds this trapping season. All structures and cabled LOD are all okay. 4/98 fry were observed.

**DATE:** 10/25/98

**OBSERVER:** Darrow

Trap was left intact this year and fishing year-round. On 10/19 a pair of adults were released upstream where they have spawned. Erosion armoring placed at confluence with the river channel is stable and intact. The trap is currently catching upstream and downstream juvenile coho and trout as well as adult fish.

**DATE:** 12/30/98

**OBSERVER:** Darrow

Numerous redds and adult fish this spawning season. Approx. 21 coho redds observed in the project and several downstream of trap box. Screens have been open on many occasions due to high flows.

**DATE:** 3/20/99

**OBSERVER:** Darrow

There were some early coho spawning which resulted in fry emergence in February. All cover materials and controls are intact and functioning.

**DATE:** 7/29/99

**OBSERVER:** Nettnin

Trapping at Lewis Channel was terminated. Materials were removed and taken to the bone yard for salvage and disposal.

**DATE:** 10/6/99

**OBSERVER:** Darrow

Aquatic vegetation is abundant. Controls and log/boulders at egress are all okay. Observed juvenile salmonids darting under cover near foot bridge.

**DATE:** 3/27/00

**OBSERVER:** Darrow

All structures are intact, and cabled logs and boulders look fine. About 32 coho redds were documented this past season. Numerous coho juveniles were observed throughout the channel. A few fry were seen too.

**DATE:** 10/18/00

**OBSERVER:** Darrow

Good flow and all structures in intact. Observed a few salmonids in the system.

**DATE:** 2/28/01

**OBSERVER:** Darrow

Lower than normal precipitation this winter and early spring. Ten coho redds were observed this winter. Observed coho juveniles throughout the system.

**DATE:** 10/8/01

**OBSERVER:** Darrow

Everything is okay her. Cabled logs near egress are intact. Observed juvenile coho and trout at the foot bridge. Site has a naturalized look now.

**DATE:** 3/23/02

**OBSERVER:** Darrow

This site had approximately 56 coho redds this past season. Due to the number of fish for the available spawning area, many redds were superimposed. Steelhead spawning were also observed. Fry were not observed but smolt size coho were seen. The egress has shifted upstream several meters due to gravel and silt deposits from high water events. Everything else looked fine.

**DATE:** 12/31/02

**OBSERVER:** Powell

Routinely stopped in from November through December to conduct spawner surveys. A total of about 21 redds were observed through this time frame. Numerous adult coho were seen too. Trees are getting some size now. Egress is still good.

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

upper project - N47.81388, W124.04960

lower project - N47.81099, W124.05299

egress - N47.81076, W124.05381

**DATE:** 5/8/03

**OBSERVER:** King

Project looks great. Lots of fry were observed. The river seems to be moving towards the lower channel.

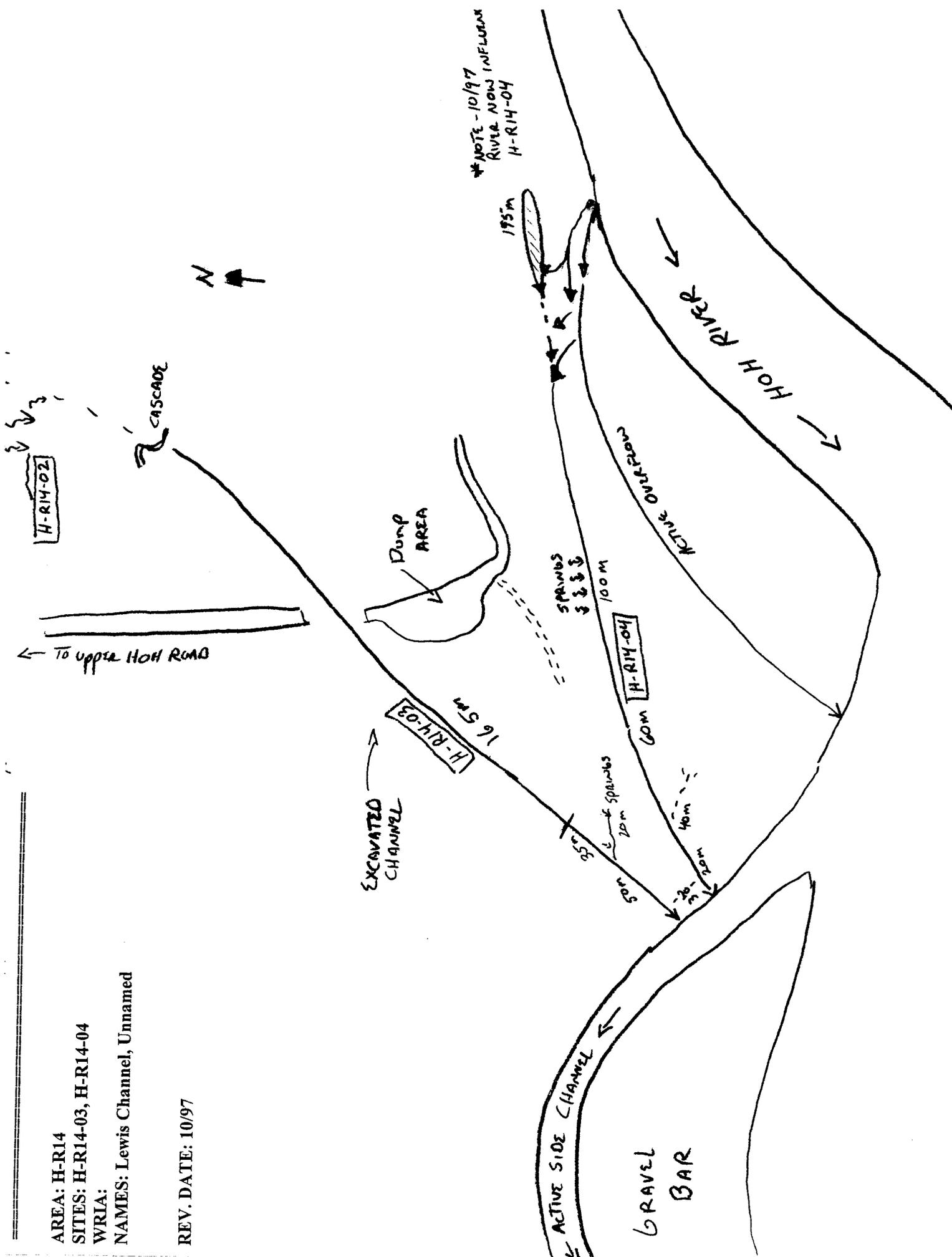
**DATE:** 10/23/03

**OBSERVER:** Nettnin

Project looks good. River water entered the channel at the old ford. No significant damage. One possible redd in upper channel.

AREA: H-R14  
SITES: H-R14-03, H-R14-04  
WRIA:  
NAMES: Lewis Channel, Unnamed

REV. DATE: 10/97



\*NOTE - 10/97  
RIVER NOW INFLOWING  
H-R14-04

H-R14-02

H-R14-03

H-R14-04

N

TO UPPER HOH ROAD

CASCADE

DUMP AREA

EXCAVATED CHANNEL

ACTIVE SIDE CHANNEL

GRAVEL BAR

ACTIVE OVERFLOW

HOH RIVER

SPANDS

100m

60m

16.5m

195m

2 SPANDS

20m

40m

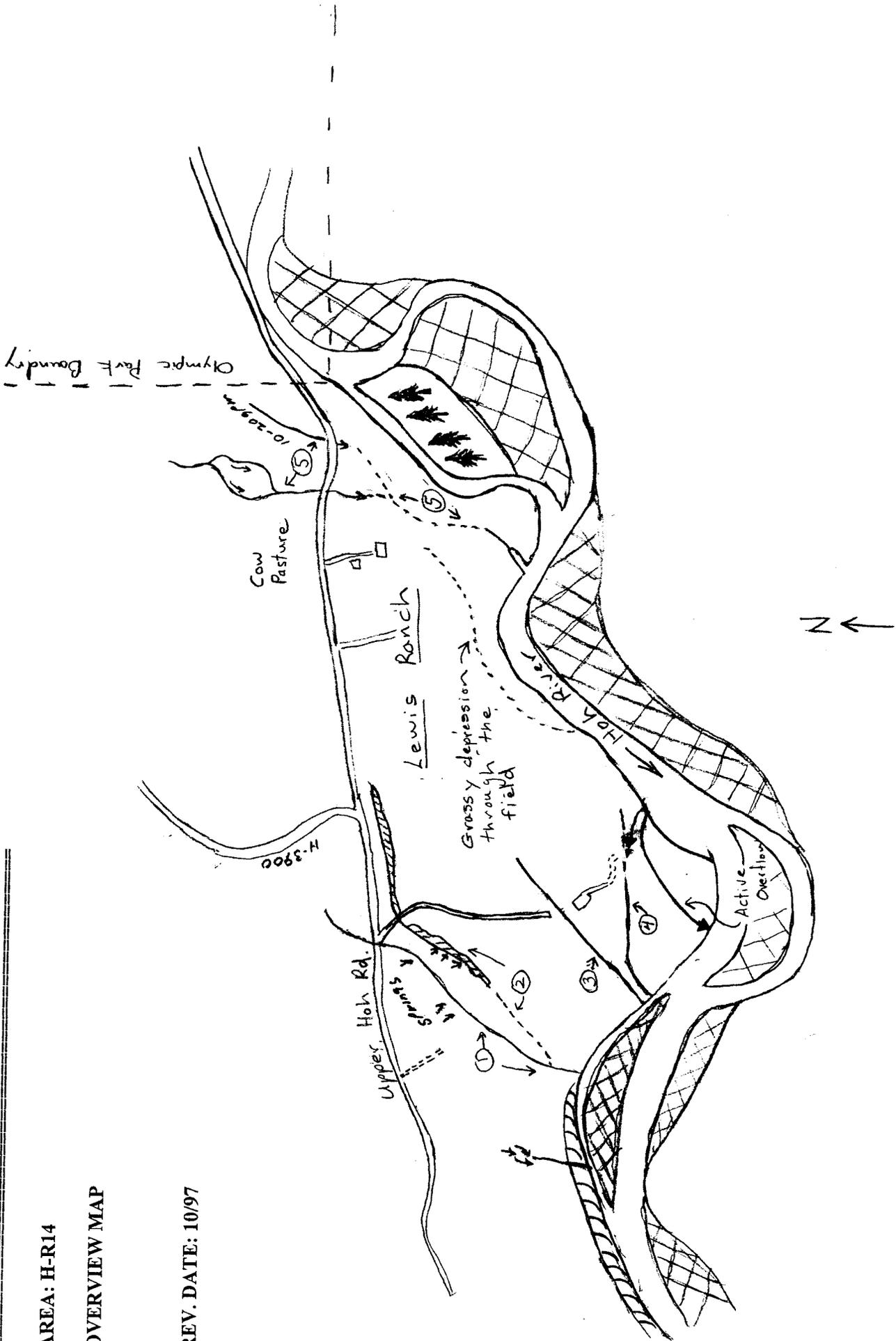
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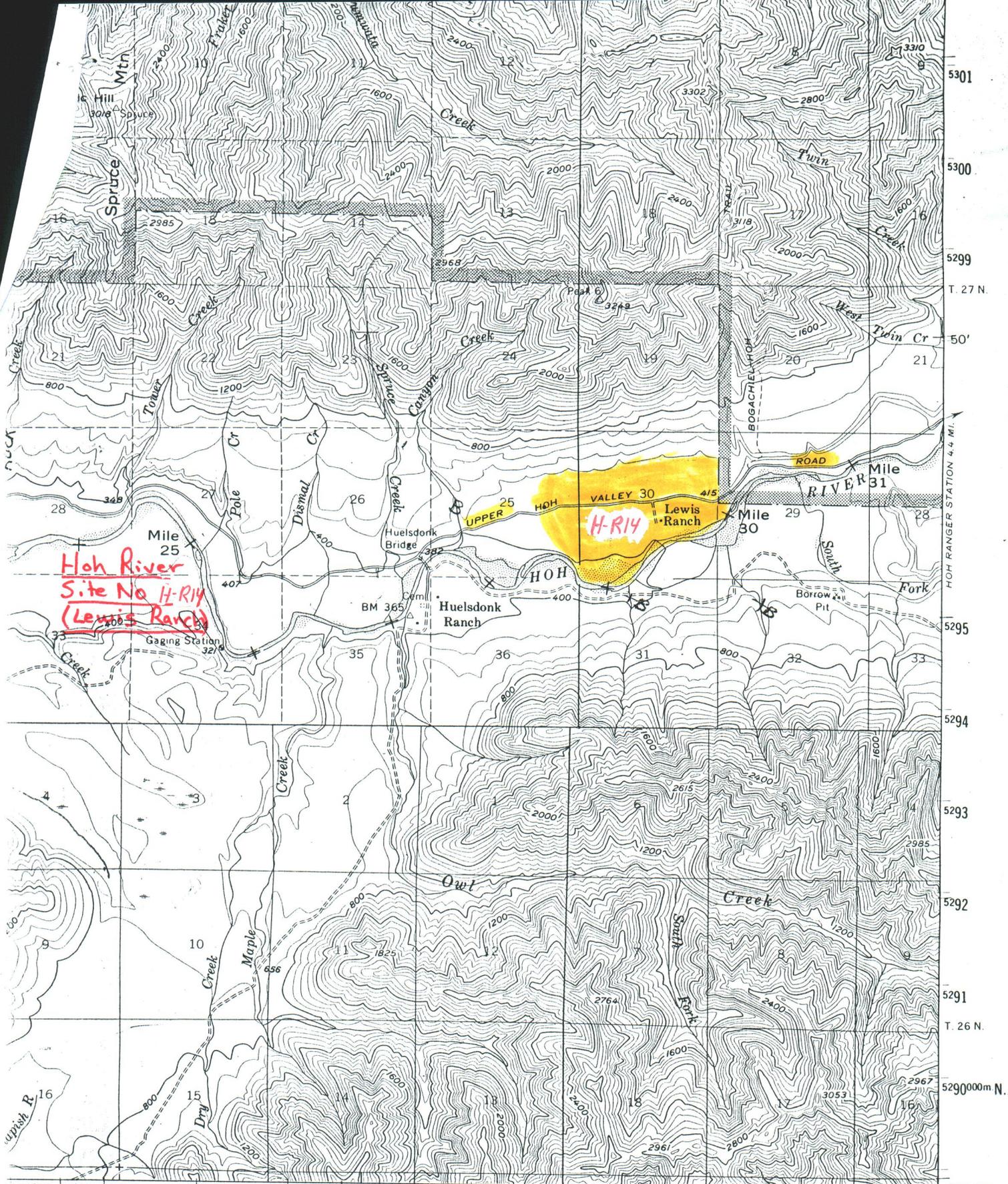
50m

AREA: H-R14

OVERVIEW MAP

REV. DATE: 10/97

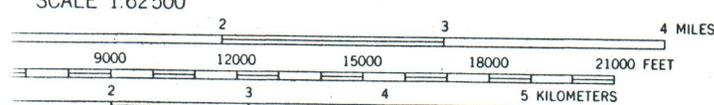




**Hoh River  
Site No. H-R14  
(Lewis Ranch)**

**H-R14**

ALMON RIVER R. 11 W. 417 418 5' 419 420 000m. E. INTERIOR- GEOLOGICAL SURVEY. WASHINGTON, D. C. - 1973. R. 10 W. 124° 00' 47° 45' 5290000m. N.



contour interval 80 FEET  
 datum is MEAN SEA LEVEL



QUADRANGLE LOCATION

**ROAD CLASSIFICATION**  
 Medium-duty Light-duty   
 Unimproved dirt



U. S. Route

**SPRUCE MTN., WASH.**

(KLOOCHMAN ROCK  
1279 11)