

SITE NUMBER: H-R13-01
LOCAL NAME: Canyon Sprs.
WRIA: 20.0470A

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Hoh **DATE:** 3/17/88 **OBSERVER:** Nettnin

CHANNEL TYPE: Wall-based terrace tributary (spring-fed)

TRIBUTARY TO: Canyon Creek (20.0470) HOH RIVER?

SITE LOCATION: RB @ River mile - 0.05 R.B.

LEGAL DESCRIPTION:

DISSOLVED OXYGEN: **UPPER END** **LOWER END**
(No D.O. data taken on this date)

WATER TEMP.: 45-46 F 45 F

AIR TEMP.: 48 F 48 F

FLOW (CFS): Springs= 10 gal/min to 1 cfs 2.0- 3.0 cfs

SUBSTRATE TYPE: Mostly sand in the lower 2/3 and in the Hoh flood plain. Excellent spawning gravel in the upper 1/3.

SITE SIZE: **Length-** Overall= 950 m (lower 300 m in active flood plain)
 Width- Lower chan.= 6 ft. Ponds= 15-20 ft. Upper= 2-3 ft
 Depth- Lower chan.= 6-8" Ponds= 3-4 ft Upper chan.= 2-3"

WATER SOURCE: Springs

DIRECTIONS TO SITE: North on Hwy 101. Turn right between mile post 178 & 179 onto the Upper Hoh Road. Follow this road until coming to the Westward Hoh Resort (6 mi.). Proceed eastward crossing both the Rock Cr. and Tower Cr. bridges. Continue east another 2.5 miles until crossing Canyon Cr. (marked by a road sign). Turn right immediately after crossing the creek. H-R13-01 is located at the bottom of the hill and just east of Canyon Cr.

FISH ACCESS AND CURRENT USE: Good access. Observed several schools of 20 to 30 fish (3-8 inch). Some spawning activity has been documented.

FLOODING POTENTIAL: Moderate. Extreme high water may enter channel.

LANDOWNER: ITT Rayonier and possibly others.

COMMENTS & RECOMMENDATIONS: The lower end of the large pond and the channel immediately downstream were excavated after bedload materials from Canyon Cr. had filled this area in. The pond is currently used as an imprinting pond for coho smolts and a broodstock collection site. A spring running 40-60 gal/min at 45 F emerges about 10 ft up on the terrace near the upper end of H-R13-01. If eggboxes were used for on-site incubation of eggs, this spring would be a clean and dependable source of water.

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POND DATA SUPPLEMENT

DATE: 3/17/88

DISSOLVED OXYGEN: **INLET** **OUTLET**
(No D.O. data taken on this date)

TEMPERATURE:

WATER: 45-46 F 45 F

AIR: 48 F 48 F

POND SIZE: **LENGTH:** 224 m
 WIDTH: 15- 20 ft
 DEPTH: 2 - 3 ft

WATER SOURCE: Springs.

FISH ACCESS & CURRENT USE: Good access. 100 - 200 fingerlings from 3 to 7 inches in length were seen.

TYPE & AMOUNT OF IN POND COVER: Nice overhanging bank along most of the right bank. Aquatic vegetation is present on both the surface and on the bottom. Some woody debris is present, but not a large amount.

COMMENTS: This pond is currently being used as a coho imprinting pond and broodstock collection site. It should offer excellent overwinter- ing area for juvenile coho if they find their way through the lower channels in the Hoh flood plain.

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DATE: 3/17/88

DISSOLVED OXYGEN: **INLET** **OUTLET**
(No D.O. data taken on this date)

TEMPERATURE:

WATER: 45 F 45 F

AIR: 48 F 48 F

POND SIZE: **LENGTH:** 95 m
 WIDTH: 15- 20 ft
 DEPTH: 2 - 3 ft
 (If dry est. depth from high water mark on bank)

WATER SOURCE: Spring water and perk from Canyon Cr.

FISH ACCESS & CURRENT USE: Appears to have good access. No fish were observed at this time, however.

TYPE & AMOUNT OF IN POND COVER: Aquatic plants, willows and some amount of woody debris.

COMMENTS: This pond was formed from beaver activity and also from the alluvial fan of Canyon Creek. It is currently part of the egress channel for Canyon Springs (H-R13-01). Any fish migrating to or from the Canyon Springs area must go through this pond. It may provide some overwintering habitat but it is in the active flood plain of the Hoh and is very susceptible to flooding. The pond may also provide some summer rearing but probably dries up during the summer months.

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Hoh

Channel No.: H-R13-01
Site Name: Canyon Springs
WRIA: 20.0470A

DATE: 11/14/89

OBSERVER: Young, Nettnin

The storm and heavy rainfall of November 8-10 storm had a great impact on this channel. A slump in the upper end (i.e. above the road) sent a large amount of silt into the channel. With such a flat gradient the channel may never clean up by itself. In the lower end (i.e. from the pond down) the channel has filled with tons of bedload material from Canyon Creek. The brood stock collection site and imprinting pond have been left unusable.

DATE: 6/3/92

OBSERVER: Nettnin

There have been some major changes take place at this site:

The Hoh River is moving to the right side of the valley and has eroded the banks. The upper valley wall trib now runs directly into the river.

The main valley wall trib. is still moving bedload from the earlier slump, causing the stream to braid. It now meanders through all the old depressions as well as the wall based channel. This creates a lot more overwinter habitat, but there are a lot of Coho fry that will die because of stranding this summer.

Canyon Cr. has changed its course do to large bedload shifts. It has totally filled in the excavated pond and egress channel and now meanders across this area to the river.

DATE: 11/21/96

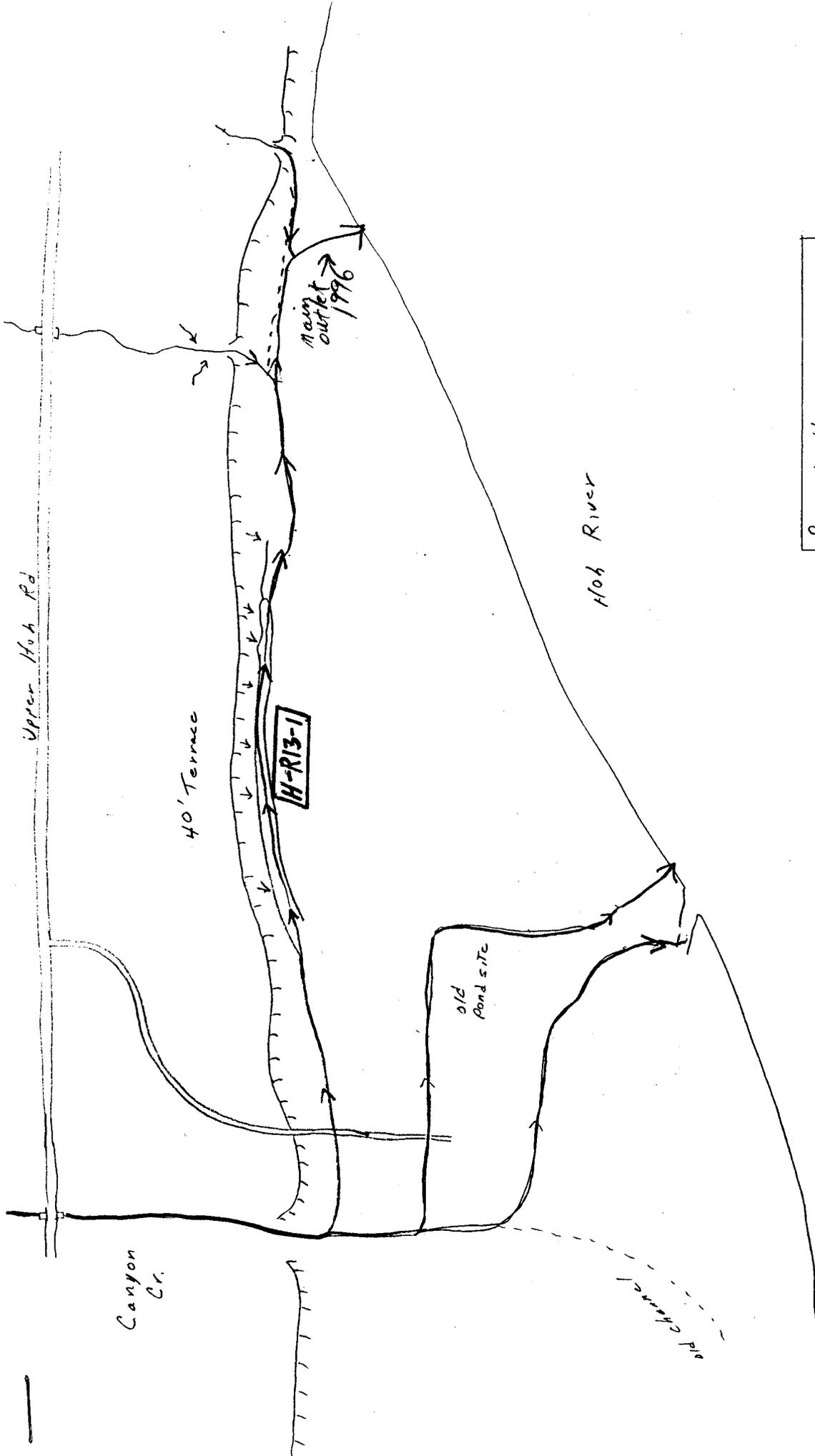
OBSERVER: King

More changes have taken place at this site. The river has moved even closer to the right bank valley wall and Canyon Creek's alluvial fan has created 3 channels running to the river. The uppermost crosses the access road and runs east through what used to be a wall base pond. It flows approximately 440 meters eastward (upriver) and then dumps into the Hoh where there is an abundance of woody debris. Fish have good access to the channel. The other two channels flow in a southerly direction across the alluvial fan and then drop steeply into the Hoh. Fish access is poor.

DATE: 10/02

OBSERVER: Nettnin

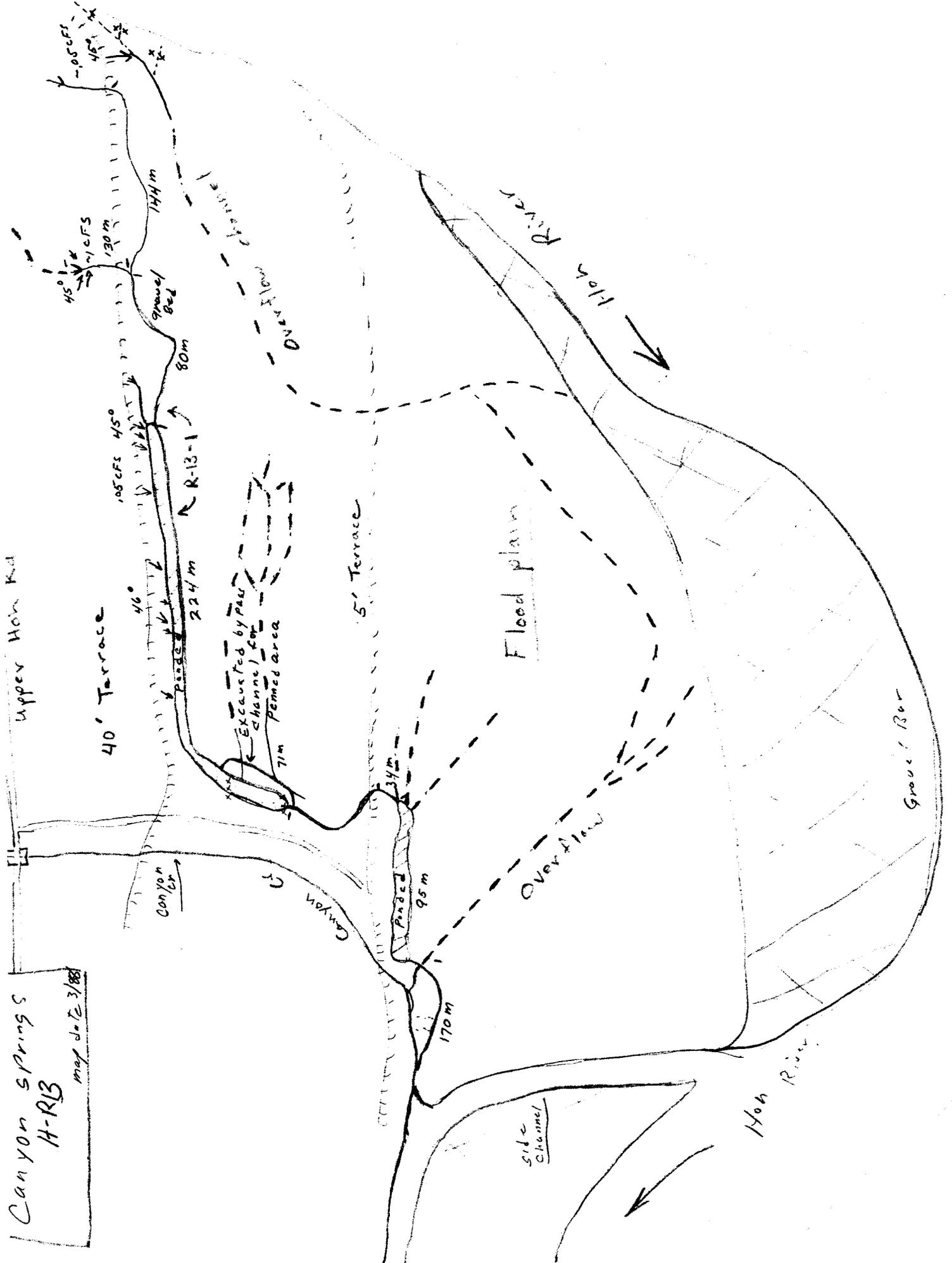
River has moved to the right bank far enough to wash out all of the old project site. Some of the old intake still remains.

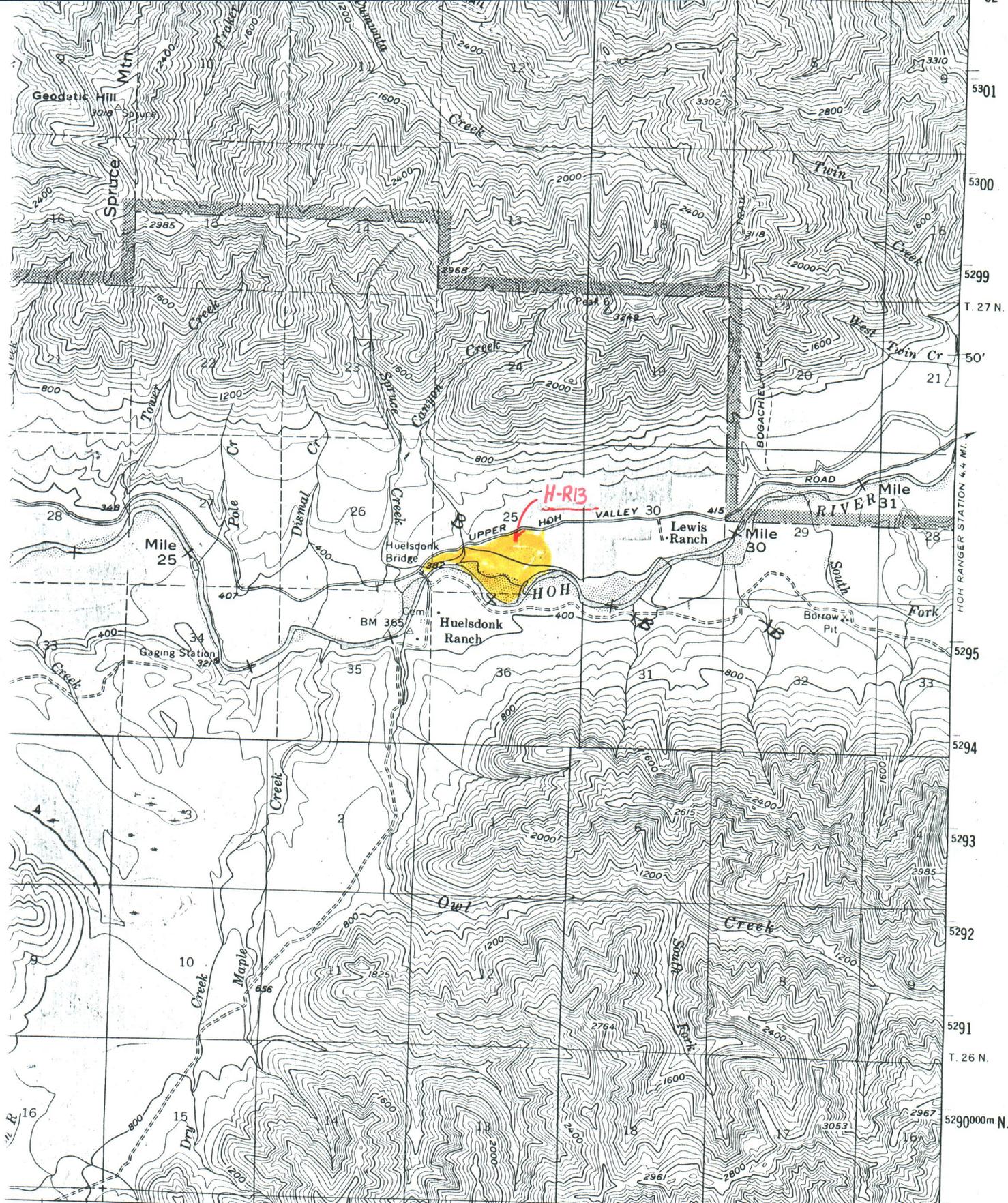


River: Hoh
 Area: H-R13
 Site: H-R13-1
 Name: Canyon Spr.
 Map Date: **Rev. 1996**

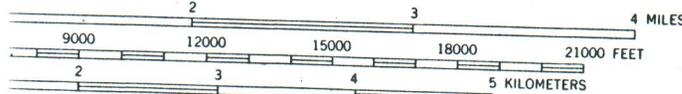
Canyon Springs
H-RLB
map date 3/88

Upper Hoh Kd





10N RIVER R. 11 W.
1179 II
SCALE 1:62500



JR INTERVAL 80 FEET
M IS MEAN SEA LEVEL



● INTERIOR - GEOLOGICAL SURVEY.
WASHINGTON, D. C. - 1973

ROAD CLASSIFICATION
 Medium-duty ——— Light-duty ———
 Unimproved dirt - - - - -
 U. S. Route

(KLOCHMAN ROCK)
1279 III

SPRUCE MTN WASH