SITE NUMBER: H-R4-03
LOCAL NAME: Anderson Cr Channel
WRIA:

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: Hoh River **DATE:** 7/8/87 **OBSERVER:** Young/Nettnin

CHANNEL TYPE: Terrace spring

TRIBUTARY TO: H-R4-02

SITE LOCATION:

LEGAL DESCRIPTION:

	UPPER END	LOWER END
WATER TEMP.:	52	
FLOWS:	INLET	OUTLET
VOLUME (CFS):	< 0.25	

SUBSTRATE TYPE: Silt

SITE SIZE: **Length**- 550-600 m defined channel.
Width- 15-20 ft Water surface width = 1-2 ft
Depth- 0-2 in

WATER SOURCE: Spring water at present. Also receives runoff from second terrace in Winter.

DIRECTIONS TO SITE: West on Oil city road to Anderson cr. bridge. Turn left on first gravel road past bridge. Follow road to end. Go right across clearcut to depression in line of alder trees. Pond area is against base of bluff.

FISH ACCESS AND CURRENT USE: Some trout fry were observed trapped in pools at lower end of channel. No summer rearing is available, however this channel will probably provide overwintering habitat.

FLOODING POTENTIAL: Low

LANDOWNER: Rayonier

COMMENTS & RECOMMENDATIONS: Some dry and partially dry ponds exist at the upper end of this channel. It is assumed that these ponds receive water from the second terrace. This area has the potential for pool blasting.

DATE: 11/19/87 **OBSERVER:** Young
This channel now contains varying amounts of water throughout (see photos taken on this date). The main water source appears to be a tributary which comes off the high terrace to the north. An estimated 1-2 cfs was seen in the tributary until it reached the alluvial fan at the base of the bluff. At that point the flow went subsurface until it perked out into the channel some 50 m away. A large amount of clear ponded water was seen in the middle section of the channel. This looks like excellent overwintering habitat (if it doesn't dry up later in the winter). The mouth appears to have very little holding area for attracting juveniles . There seem to be no major blockages to fish access and some fish may have moved into this area already.

DATE: 12/10/87
Water temp. = 7.8

DATE: 1/7/88
Most of the lower channel contained no running water. The deeper areas of the channel held isolated pools of standing water. Coho pre-smolts were seen in most of these pools. One pre-smolt was rescued from a small puddle and was transferred to a larger pool.
The inlet trib at the base of the bluff still had a relatively good flow (0.25 - 0.5 cfs) considering the recent dry weather. It still went subsurface at the alluvial fan, however.
The small pond at the base of the bluff contained a small amount of standing water. No fish were observed here.

The extreme lower end of this channel was not surveyed, but it is assumed that it may have held a small amount of running water ($\leq$ the flow seen in the inlet trib).

DATE: 1/20/88
Water was seen running off the bluff from two tributaries. The second trib is located to the east of the previously described trib.

Running water was seen from the bluff to the mouth of the channel. All ponded area along the bluff to the large spruce tree are full of water and connected to the main channel.

DATE: 11/22/88
Three different channels were seen feeding channel H-R4-03. These channels converge near the upper end of the line of trees (see channel map).

West channel runs more or less directly from the valley wall and has been described previously. It was flowing at a rate of 0.5 to 1.0 cfs.

The middle channel runs along the base of the valley wall and drains the small marshy ponds that were noted on the original survey of the area. This channel is choked with logging debris just below the small ponds. Flow in the middle channel was about 0.5 cfs.

The east channel angles from the line of trees toward the access road. It then runs parallel to the access road until it reaches the valley wall. The east channel carried 1 to 2 cfs and appears open to fish migration. Two dead trout and one dead juvenile coho were found in two small pools along this channel. This channel, as well as the others, is suspected of drying up during winter dry spells.

It may be possible to divert the flow from the east channel into the middle channel. This rerouting could be done at one of two places (see proposed routes on attached map).This extra water in the middle channel along with deepening of the ponded areas and/or beading of the channel may give fish a better chance of surviving through the winter in H-R4-03. The small wall-based ponds in the middle channel do not appear accessible to fish at this time.

DATE: 10/17/89
Pump test was done and a standpipe was installed near the upper end of the channel.

DATE: 10/24/89
Water level in channel is about 3" up on standpipe.

DATE: 12/18/89
W.S. was 2.8 ft below tbm #1. It has been 2 weeks since the last rainfall and there was still a small amount of flow in upper channel near test pit.

DATE: Sept./Oct. 1990 **OBSERVER:** King
WDF's Habitat enhancement section construction crew excavated this site and enlarged the rearing habitat which consists of a pond and channel.

DATE: 1/14/92
Two minnow traps where set in this channel to evaluate fish use. The traps were baited with salmon roe and placed in the excavated pond: 3 Coho, 3 trout and 12 cottid were captured.

DATE: 7/1/92 **OBSERVER:** Young, Nettnin

There are two beaver dams in the project. Neither are a problem at this time. One backwaters about 20 m of the channel. The other backwaters some of the channel and the pond.

The wetland plants are recovering nicely and are providing sufficient cover in the channel.

The spoil piles are cover with young alder and other natural species.

DATE: 8/92 **OBSERVER:** Nettnin

Alder brush was gather, tied in clusters and anchored to add cover in the pond. Rock was placed in the inlet channel to reduce the erosion that has occurred there. The channel that was inadvertently blocked by the excavation was reopened.

Crew days: 0.7 (crew days based on a 10 man crew working 8 hrs/day.

DATE: 12/8/93 **OBSERVER:**King

Looks good overall. Needs more woody debris (pond & outlet). Two small beaver dams in outlet are not a passage problem. These have been here for some time.

DATE: 11/12/94 **OBSERVER:** Nettnin

There are two beaver dams: The upper one has water cutting around left bank. It has little elevation drop and does not pose as a fish barrier at present time. The second one, downstream from pond, has a 2 ft head. A partial opening was made on this date but will need to be monitored due to being an active beaver site. No fish were seen in project.

DATE: 5/1/94 **OBSERVER:** Darrow

Brush and alder saplings have grown up thick at approach to channel. Beaver activity on going with two main dams; one dam at the low end of the channel and the other at pond, above the channel. The pond dam is a barrier except during high flows due to being 3.5 to 4 ft high. Openings were made in both dams. No fish were seen in project; visibility was poor.

DATE: 11/11/95 **OBSERVER:**Nettnin

The project is well watered due to two beaver dams. The downstream one has a good flow over it and is not very high. Moved some debris around below the dam. The upper dam is about 2 feet above the water surface. A notch was opened on the right bank side. No fish were observed.

DATE: 4/1/96 **OBSERVER:** Darrow

There are two substantial beaver dams; one is in the channel ~125 feet downstream of the pond and the higher one is at the pond outlet. It is recommended that a crew be utilize to take out the beaver dams due to their size. Also, thin the volunteer alder along the southeast side. Channel is only wet in low spots below the second dam due to no flow. No fish or activity were observed.

DATE: 10/28/96 **OBSERVER:** Darrow

Alder is growing in thick around the east side of upper pond, and there is a lot of beaver activity along bank. Old, high beaver dam has blown out, and there are two small, active ones below the old one. These two dams are presently passable. Flow was ~1.5 - 2 CFS.

DATE: 4/1/97 **OBSERVER:** Darrow

Beaver dams are rebuilt - lower one is ~12-14 feet wide and 2.5-3 feet high and the upper one is ~22-24 feet wide and 3-3.5 feet high. I belive they are passable during high flows. Upper dam is a substantial one and has increased surface pond area. Did not observe any fish activity.

DATE: 8/13/97 **OBSERVER:** Nettnin

Modified beaver dams to allow better fish passage.

DATE: 10/15/97 **OBSERVER:** Nettnin

-Beaver is active but dams are passable.
- Abundant fish activity (rising) observed.

DATE: 4/11/98 **OBSERVER:** Darrow

Pond and channel have active beaver dams. The dams are accessible during high flows. Opened up upper dam but will take much work to dismantle. Did see some rises in the ponded area.

DATE: 11/4/98 **OBSERVER:** Darrow
Spur road and trail to site are very overgrown. There are two very substantial beaver dams (especially at pond outlet: 18-20 ft. wide, 4 ½ ft. + high and 8-10 ft. thick at base). Water level is low at base of dams and not flowing at present. No fish were observed.

DATE: 4/28/99 **OBSERVER:** Darrow
Beaver dams have been recently opened and water was trickling through the openings. No fish were observed.

DATE: 11/15/99 **OBSERVER:** Nettnin
Everything appeared to be in good condition. The beaver dams were passable, and the flow was about 1/4 CFS. Arrangements have been made to have the DNR camp crew brush the road.

DATE: 4/15/00 **OBSERVER:** Darrow
The pond was full with some water filtering through the large beaver dam. Opened both beaver dams. Pond surface was active with feeding fish. Observed some smolts swimming above the large dam.

DATE: 1/5/00 **OBSERVER:** Darrow
The usual two beaver dams were in place. Breached both dams. Observed a few rises on the pond.

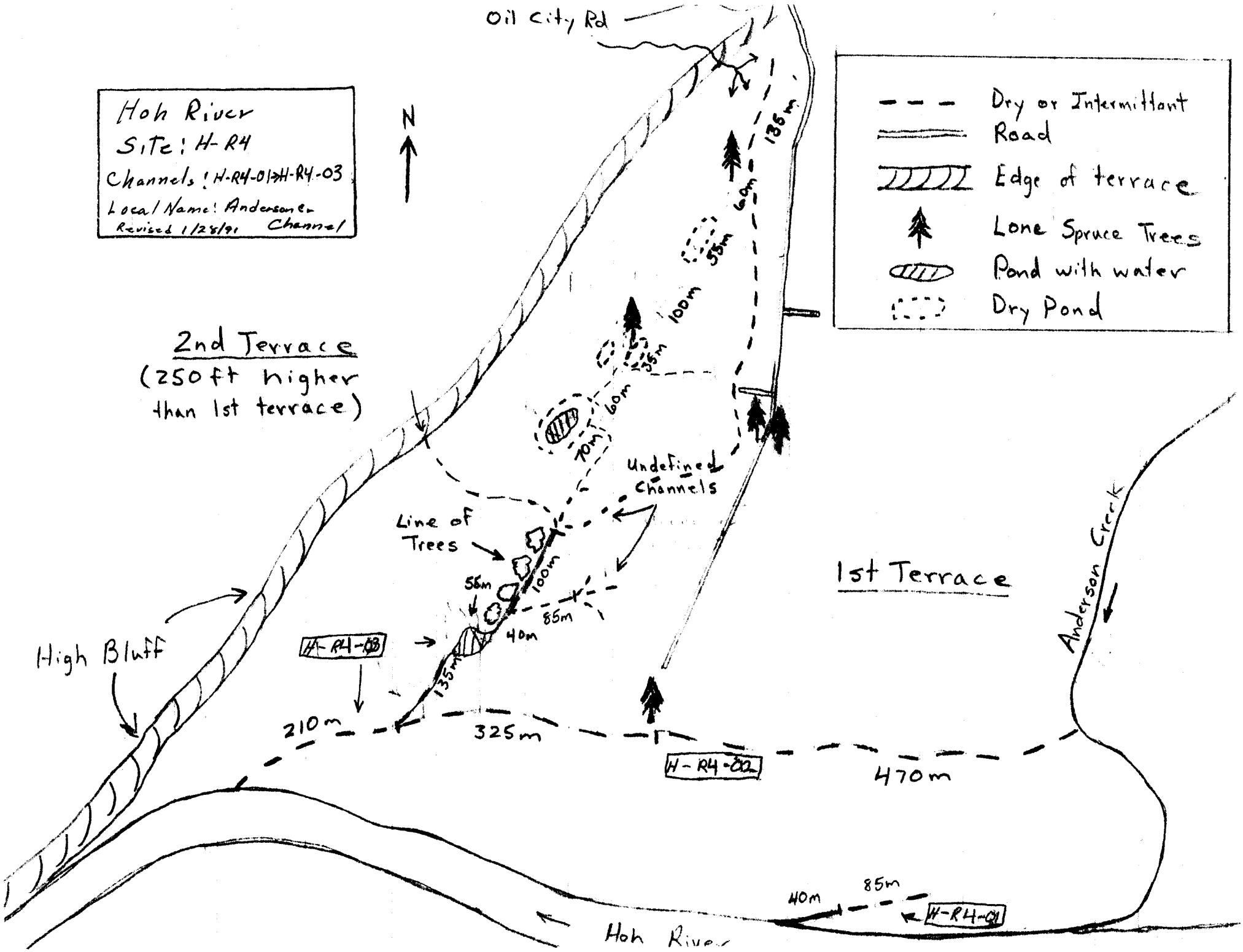
DATE: 3/26/01 **OBSERVER:** Darrow
Opened both beaver dams. Observed a few coho fry at the base of the pond. Pond surface was fairly active with rises. Pruned trail of blackberry vines.

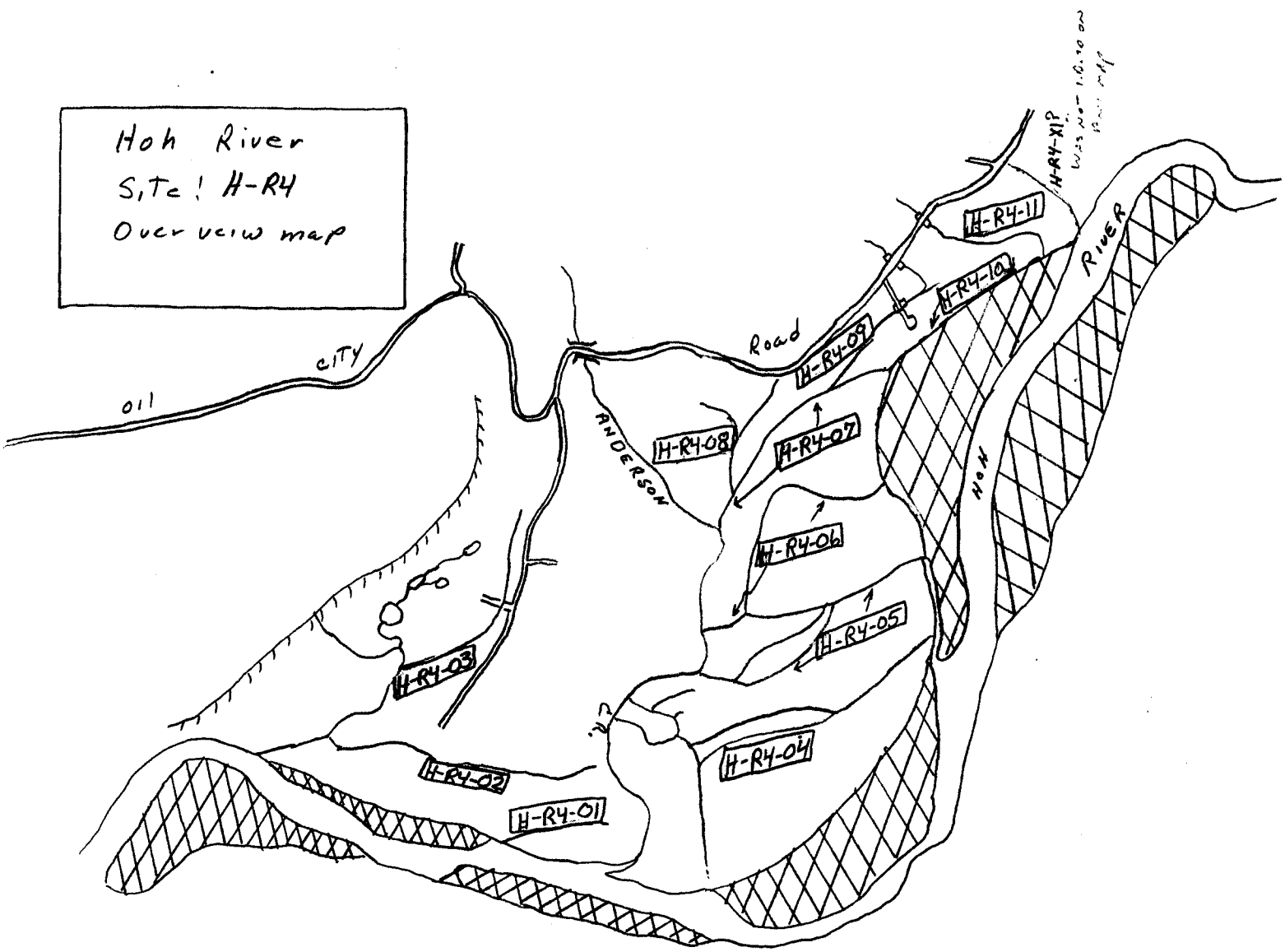
DATE: 12/12/02 **OBSERVER:** Darrow
Breached both beaver dams. Dam at pond outlet was not active. Sporadic rises on the pond.

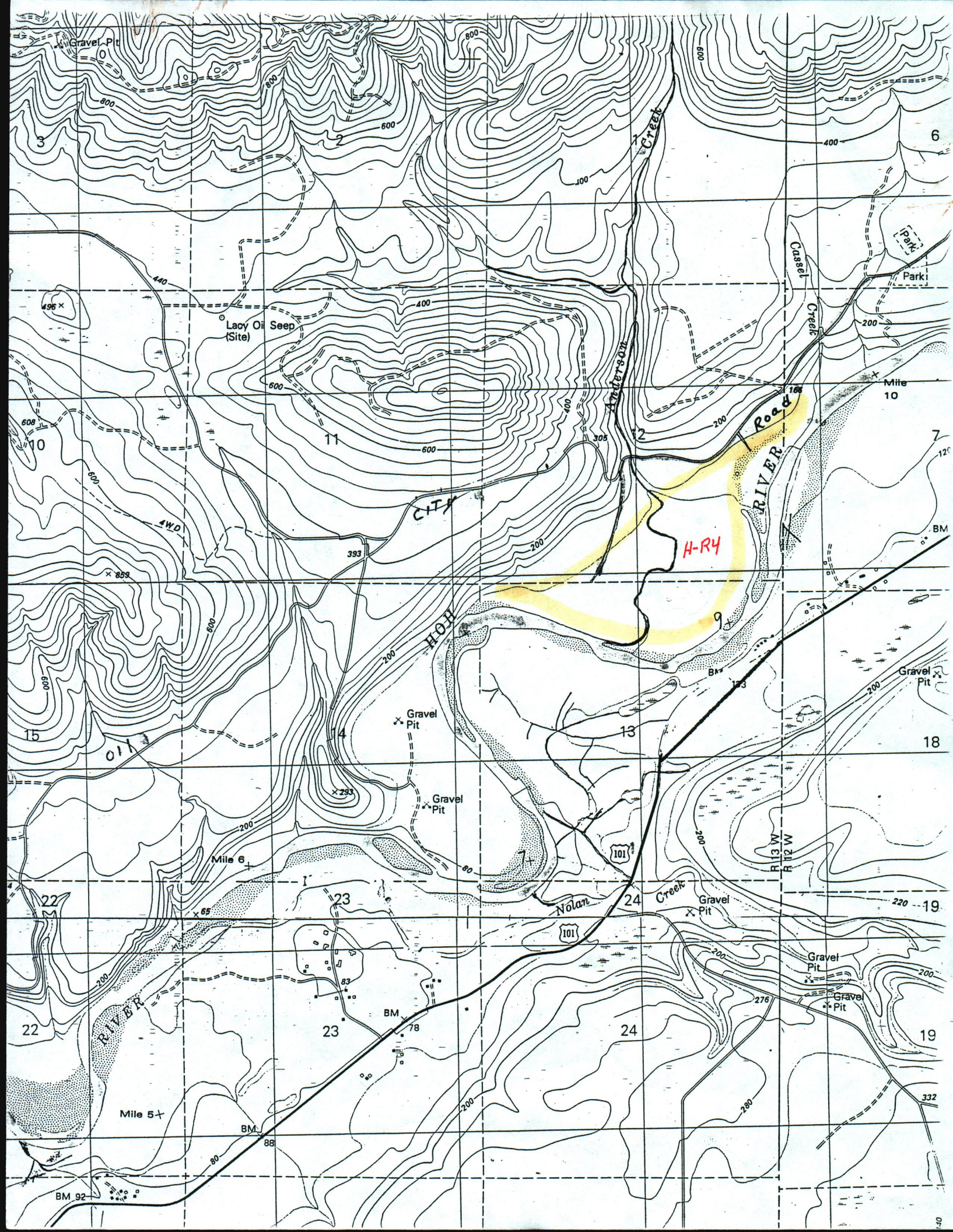
DATE: 10/21/02 **OBSERVER:** Nettnin
Project looks good. Low flow, no recent beaver activity.

DATE: 5/1/03 **OBSERVER:** Nettnin
Project looks good. 0+ fry were observed throughout the project. There were 1+ fish at the upper beaver dam. All dams were open with no new activity.

DATE: 11/6/03 **OBSERVER:** Nettnin
The project looks good. Fish were rising, the beaver dams were unchanged with minor activity.


Oil City Rd
Hoh River
Site: H-R4
Channels: H-R4-01 - H-R4-03
Local Name: Anderson Creek
Revised 1/28/91
N
Dry or Intermittant
Road
Edge of terrace
Lone Spruce Trees
Pond with water
Dry Pond
2nd Terrace
(250 ft higher than 1st terrace)
135m
60m
55m
100m
25m
60m
70m
Undefined Channels
Line of Trees
55m
100m
85m
40m
135m
H-R4-03
High Bluff
210m
325m
H-R4-02
470m
1st Terrace
Anderson Creek
40m
85m
H-R4-01
Hoh River


Hoh River
Site! H-R4
Overview map
H-R4-XIP
H-R4-11
H-R4-10
H-R4-09
H-R4-08
H-R4-07
H-R4-06
H-R4-05
H-R4-04
H-R4-03
H-R4-02
H-R4-01
Road
ANDERSON
RIVER
HOH
CITY
OIL



Gravel Pit
Lacy Oil Seep (Site)
Anderson Creek
Cassel Creek
Park
Mile 10
Road
RIVER
CITY
HOH
H-R4
Gravel Pit
Gravel Pit
Gravel Pit
Gravel Pit
Gravel Pit
Gravel Pit
Mile 6
Mile 5
Nolan Creek
101
R 13 W
R 12 W
BM
BM 92
4WD