

SITE INFORMATION

Site Identifier : WC3RB1 **Landowner Type :** Federal
Site Name : **Landowner Name :** USFS
WRIA : 03.1116X **Address :**
Region : NS **Address2 :**
Trib to : White Chuck R **City :**
River Mile : 7.60 **State :**
River System : White Chuck R **Zipcode :**
Legal Description : SW1/4S13T31NR11E **Phone :**
County : Snohomish
Habitat Type : beaver pond

Directions :

From Darrington, head south on the Mountain Loop highway for approximately 8 miles to the FS 23 road. Turn left and go approximately 6.4 miles. The head end of the site is visible from the road as you look down onto the bench.

Area Overview :

This site features a 3680 square meter beaver pond that may be only accessible during high flows. The water originates from under the wall base and there was no spawning habitat or fish found.

Field Survey Information

Date : 10/21/1998 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: (X) Spring () Groundwater () Surface runoff

Flow: () Intermittent (X) Year-round

Estimated Flows (cfs): Lower end: < 0.1
Upper end: none

Water Temperature(C): Lower end: 7.2
Upper end: 7.2

Receiving Water Temperature (C): 4.4

Other Observations:

Site Area Measurements: () Indirect (X) Direct () Combination
 Widths: Channel: 1m Ponds: 30m Wetlands:
 Depths: Channel: 10cm Ponds: 1m Wetlands:
 Total length (includes ponds and wetlands): 287m

Total existing habitat area (est. m2): 3869

Spawning area:	Mainstem:	Tribs:	Total:
Impounded area:	Mainstem: 3680	Tribs:	Total:
Other rearing area:	Mainstem: 189	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: (X) None () Poor () Fair () Good () Excellent

Describe spawning habitat:

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The outlet to the pond was very shallow and slow-moving, had good amounts of brushy cover and water parsley. Approximately halfway up the outlet there is 2' drop that would make juvenile passage very difficult. The pond offers 3869 square meters of excellent rearing. It is 2m deep in places with good woody structure, mucky-bottomed, duckweed and sedges along the edges as well as water parsley and canary grass at the head end of the pond.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: The lower end of the site is floody as it is part of a flood channel. The pond appears to be well protected from flooding as it sits higher on the back of the bench.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a small pool present at entry. The 2' drop that is located halfway up the outlet is a barrier to juveniles, probably during most of the flows.

Coho access and use: Juvenile Unknown None Poor Fair Good
Adult Unknown None Poor Fair Good

Describe: There were no fish seen during the survey, there was no spawning habitat found and juvenile access to the pond appears marginal.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: There were no trout observed but cutthroat trout use is a strong possibility.

ENHANCEMENT OPPORTUNITIES: None

Project type:

Equipment access:

ADDITIONAL COMMENTS: Site was surveyed during a very low flow period and it was difficult to discern whether or not juveniles could access the pond.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

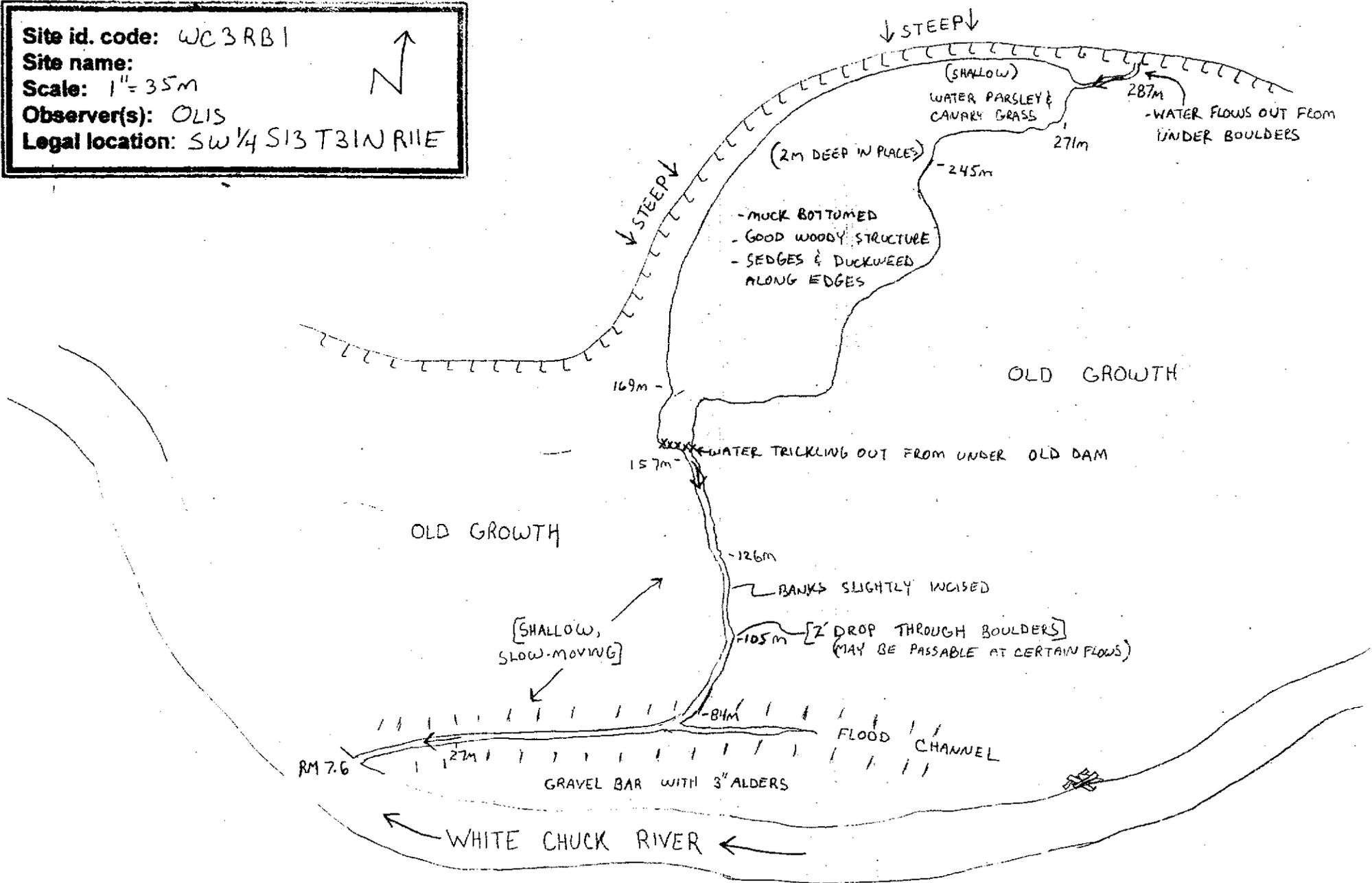
Site id. code: WC3RB1

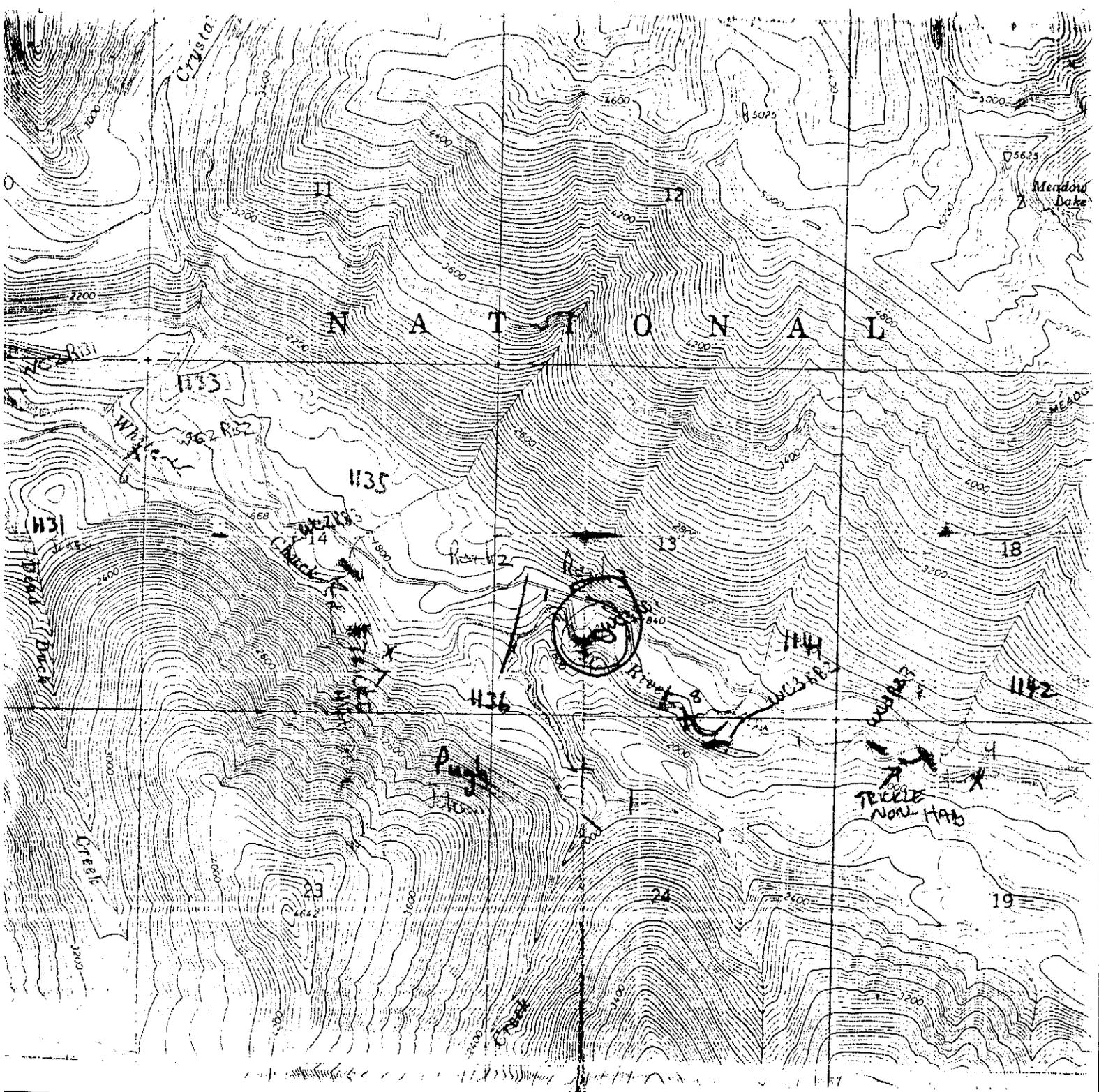
Site name:

Scale: 1" = 35m

Observer(s): OLIS

Legal location: SW 1/4 S13 T31 N R1E



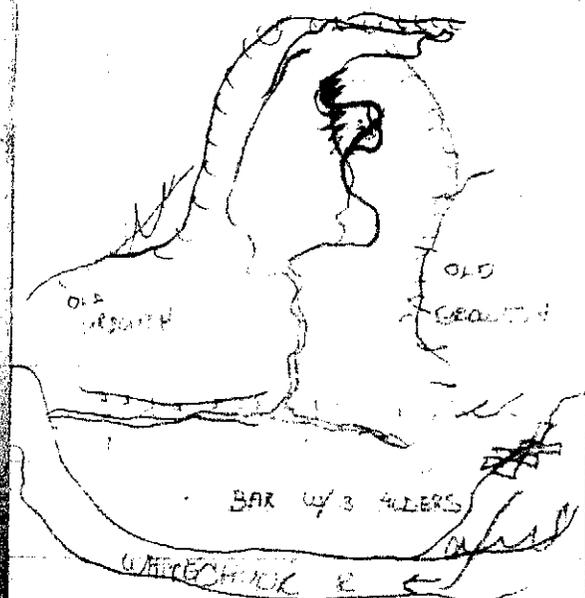


10-21-98

WC3 RB1

RM 7.6

SW 1/4 S13T31N R1E



O.O ENTRY

FLOW - \rightarrow \leftarrow O.1 CFS

TEMP - 45°

R. TEMP - 40°

ACCESS - SMALL POOL

Q ENTRY

27m WW 1m

- VERY SHALLOW, 2", SLOW MOVING, BOULDERY

- BEG. OF SMALL ALD.

ON L0

84m WW 1m

- GOOD AMOUNTS OF NAT.

PRES. PRESENT.

84m... SYSTEM FURNS
TO RIGHT, UP INTO BENCH.
(HOM. FLOW CHANNEL CONT.
TO LOG JAM.)

105m WW 1m
- STILL BOULDERY
- VEELY, BRUSHY, LITTLE
FLOW AND BARELY
CONNECTED.

@ TWO FOOT DROP
THROUGH BOULDERS
- BARRIER TO FISH @
THIS FLOW. (UNCLEAR
IF JUV. CAN PASS DURING
HIGHER FLOWS)



126m. WW 1m
- BARELY FLOWING
- SOME INCUING OF
BANKS.

157m, WW 1.5m
- SHALLOW PORES, SLOW
MOVING, BRUSHY
- @ 7m LONG BUR DAM
THAT WTR IS TRICKLING
OUT UNDERNEATH
- DOESN'T APPEAR
PASSABLE TODAY.

169m WW 10m
- POND

245m WNW 20 40m

- POND, GOOD WOODY STR.
- MUCKY BOTTOMS
- SEEDS, DOCKWEED ALONG EDGES
- 2M DEEP IN PLACES

271m WNW 20m

- POND
- SHALLOWER, MORE DOCKWEED W/ WTR PARSLEY, CANNY GRASS

287m WNW 1m

- SHALLOW, BRUSHY
- WTR FLOWS OUT OF



- BOULDERY AREA @
BASE OF SLOPE
- WALL BASE SPRING
 - WTR TEMP. 45°

COMMENTS:

- EXC. REAR HAB.
- LIMITED ACCESS
- SPRING FED, OLD BUR. POND.
- NO FISH SEEN
- LOWER PART IS FLOODY
- POND IS WELL PROTECTED.
- DIPPER FEEDING IN POND.