

SITE INFORMATION

Site Identifier :	GR1LB1	Landowner Type :	
Site Name :		Landowner Name :	
WRIA :	03.0377X	Address :	
Region :	NS	Address2 :	
Trib to :	Grandy Cr	City :	
River Mile :	0.50	State :	
River System :	Grandy Cr	Zipcode :	
Legal Description :	NE1/4S15T35NR7E	Phone :	
County :	Skagit		
Habitat Type :	beaver pond		

Directions :

From Sedro Woolley, head east on Highway 20 for approximately 16 miles to the North Russel road. Turn right and go approximately 0.8 miles to the Cape Horn road. Turn right, go about 0.1 miles to Grandy Creek and park near the bridge. Hike up the creek for approximately 0.2 miles to the site.

Area Overview :

A small beaver pond that offers 1400 square meters of over-winter rearing and no spawning habitat. Fish would only be able to access during high flows but there is some good rearing habitat at the back end of the site.

Field Survey Information

Date : 01/16/1997 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

Estimated Flows (cfs): Lower end: > 0.1
Upper end:

Water Temperature(C): Lower end: 3.8
Upper end: 6.6

Receiving Water Temperature (C): 3.8

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: Ponds: 15m Wetlands:

Depths: Channel: Ponds: 1m Wetlands:

Total length (includes ponds and wetlands): 80m

Total existing habitat area (est. m2): 1400

Spawning area:	Mainstem:	Tribs:	Total:	
Impounded area:	Mainstem: 1400		Tribs:	Total:
Other rearing area:	Mainstem:	Tribs:	Total:	
Unaccessible habitat:	Mainstem:	Tribs:	Total:	

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The lower section of the pond is exposed to frequent flooding, is lacking in structure and is very silt laden. The upper section is more protected, has good structure from downfall and some aquatic vegetation, and has warmer water temperatures during the winter.

Describe inaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: There is an overflow channel that enters into this site above the beaver dam and there seems to be a good amount of small debris scattered about this area. It appears that during high flows, water enters the site via this overflow channel, overfills the pond area and then spills over the dam (or blows a hole through it).

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: On day of survey, there was no access to this site because of the beaver dam. Access is only available during high flows when water breaches the beaver dam or fish enter through the overflow channel above the dam.

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

Describe: I would not expect to see adult salmon using this site because there is no spawning habitat. There is however, good rearing available and would expect good use of this site as long as there is high water for the juveniles to access.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Although no trout were observed during the survey, I would expect to find a few resident cutthroat using this pond.

ENHANCEMENT OPPORTUNITIES: None

Project type:

Equipment access:

ADDITIONAL COMMENTS This pond does appear to have some groundwater influence which may help keep temperatures warmer in the winter and cooler in the summer. Also, there is a nice stand of cedar and douglas fir on the left bank. Removal of these trees without a good buffer can cause damage to this site.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

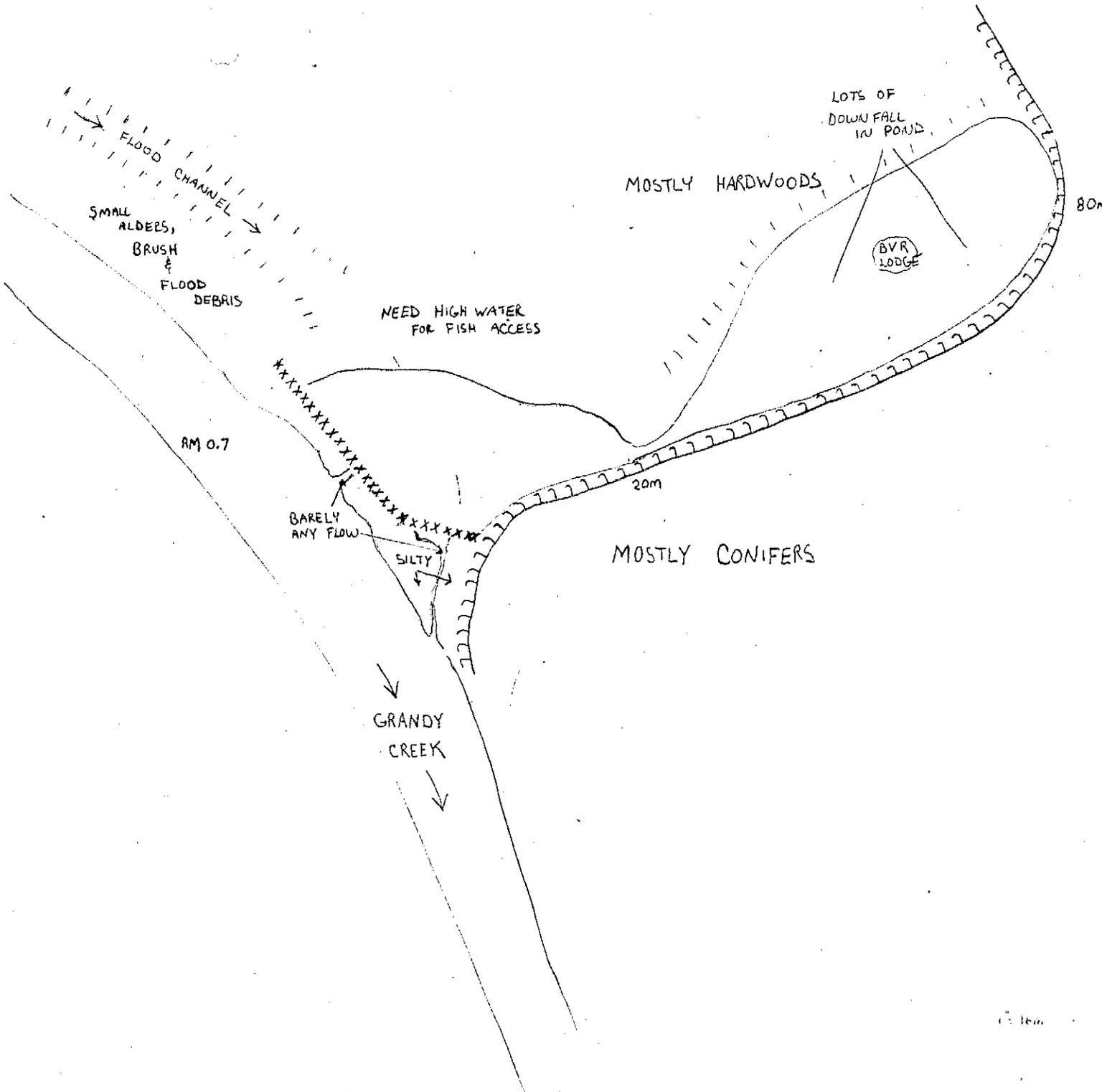
GRI LBI



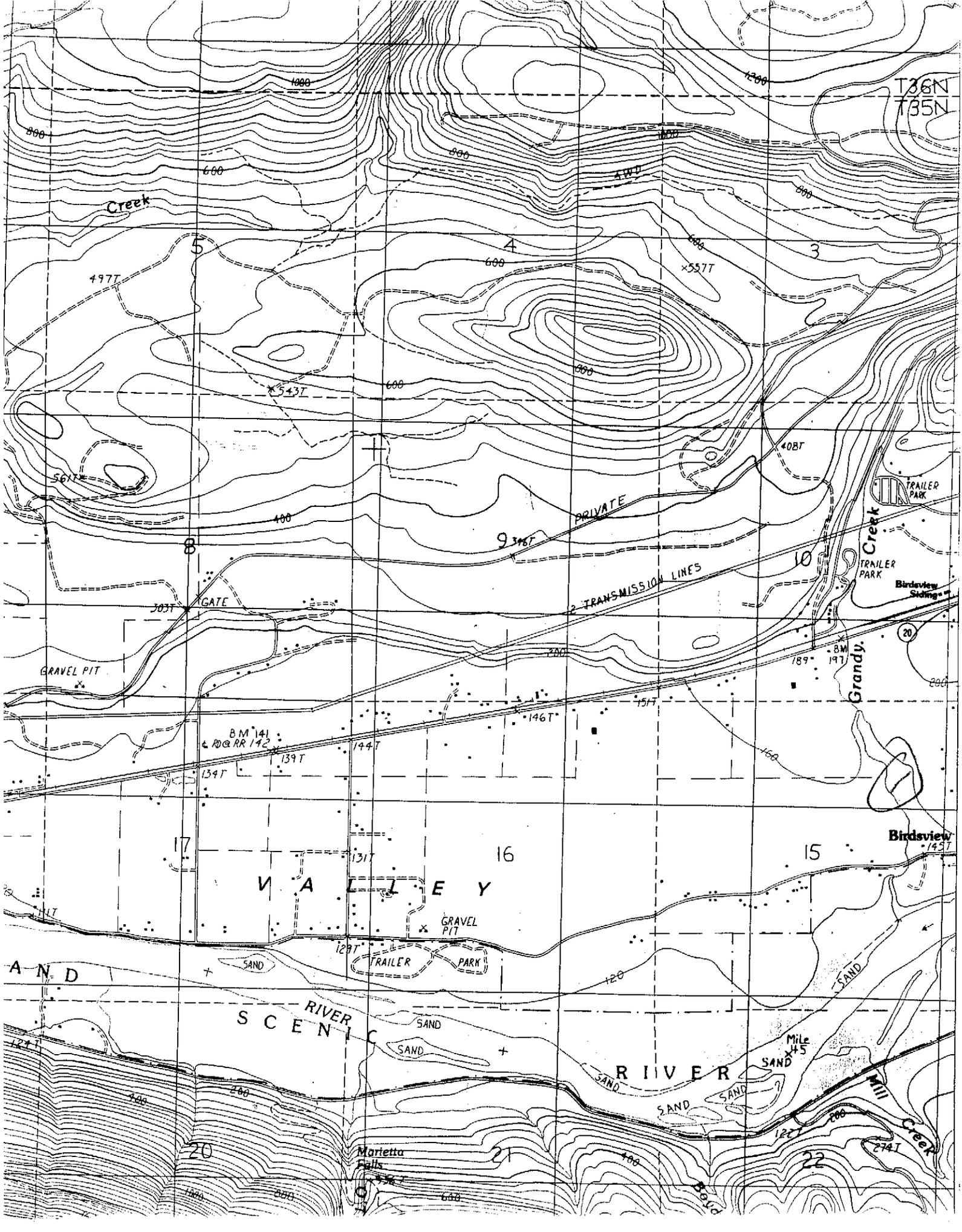
Scale: 1" = 16m

Observer(s): MICHAEL OLIS

Legal location: NE 1/4 S15 T35N R7E



T36N
T35N



GR 1 LBI

RM 0.5

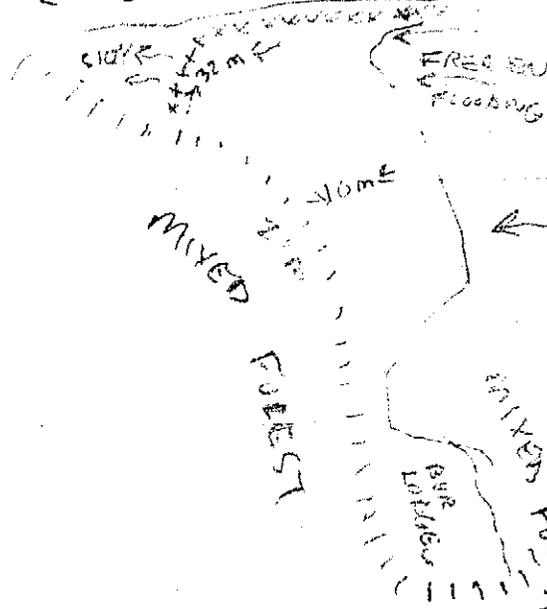
NE 1/4 S15 T35N R7E

16 JAN 97

BASE

P. 2002

← GRAND CR.



O.O ENTRY

FLOW - BARELY ANY FLOW

STRM TEMP - 39°

REC WTR TEMP - 39°

- ACCESS IS TOUGH OVER
BYR. DAM BUT CAN
ACCESS BETTER UP CR.
DURING HIGH FLOWS

20m WW 10m - 20m

- SILT BOTTOMED
- TREES IN STANDING WATER
- POND NECKS DOWN TO
1m THAN OPEN BACK
UP AGAIN

80m W x 20m

- OCCASIONAL ISLAND W/ TREE GUT.
- LOTS OF DOWN FALL IN BACK END OF SITE
- WTR TEMP - 44°

COMMENTS

- NICE LITTLE PIECE OF OVER-WINTER REARMS IF JUV. CAN ACCESS.
- NO SPAWNING HAB.
- GRNDWATER & SURFACE FLO
- FIRST 20m OF POND GETS FLOODED PRETTY FREQUENTLY, BUT THIS MAY ALLOW ACCESS