

SITE INFORMATION

Site Identifier : CA3LB1 **Landowner Type :** Federal
Site Name : Grouse Marsh **Landowner Name :** USFS
WRIA : 03.1492A **Address :**
Region : NS **Address2 :**
Trib to : Cascade R **City :**
River Mile : 12.00 **State :**
River System : Cascade R **Zipcode :**
Legal Description : SW1/4S21T35NR12E **Phone :**
County : Skagit
Habitat Type : man-made impoundment

Coordinates

East: 1,817,157.38 **North:** 1,156,922.39

Directions :

From the Marblemount bridge, head up the Cascade River Road for approximately 11 miles to the USFS 1550 Road on the right. Turn right and continue to the bridge that crosses the Cascade River. Site is located a tenth of a mile past the bridge on both sides of the road.

Area Overview :

Site is a series of low gradient, swampy channels flowing across a large flat bench that are fed by groundwater, springs, and surface flow. The channels are bisected at the midpoint by Forest Service Road #1550 which backs up a large shallow pond. A ten foot baffled pipe was installed in 1996 by W.D.F.W. to provide fish passage above the road and to increase the size of the pond and rearing area for fish.

Field Survey Information

Date : 4/6/98 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

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

Flow: () Intermittent(x) Year-round

Estimated Flows (cfs): Lower end:2.0
Upper end:0.2

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

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: () Indirect () Direct (x) Combination
 Widths: Channel:3 Ponds:75 Wetlands:
 Depths: Channel:0.2 Ponds:0.5 Wetlands:
 Total length (includes ponds and wetlands):740

Total existing habitat area (est. m2):12,742

Spawning area: Mainstem:620 **Tribs:**10 **Total:**630
Impounded area: Mainstem:10,500 **Tribs:** **Total:**10,500

Other rearing area: Mainstem:2,049 Tribs:193 Total:2,242
 Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Exellent

Describe spawning habitat: Below the road are patches of gravel in an otherwise swampy ill -defined channel with an increasing amount and quality below the overflow channel from the Cascade River. Above the road in the spring fed trib is a small quantity of spawning habitat at the base of the hill.

Rearing habitat conditions: None Poor Fair Good Exellent

Describe pond and other rearing habitat:All of the habitat is very low gradient and swampy with good woody debris and very thick brush. The pond is shallow with dense aquatic vegetation and surrounded by willows.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe: Most of the bench is marshy with a mixture of skunk cabbage, willows and on the high spots alder and spruce.

Flooding potential: Low Medium High

Describe: During larger floods like the one in 1995 the bench is backwatered.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: A large backwatered area at the mouth provide easy access.

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

Describe:Coho fry are very abundant especially below the road, adults have been observed in the spring fed trib at the extreme upper end and in the lower end and the side channel from the river.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe:Cutthroat trout have been shocked.

ENHANCEMENT OPPORTUNITIES

Project type:

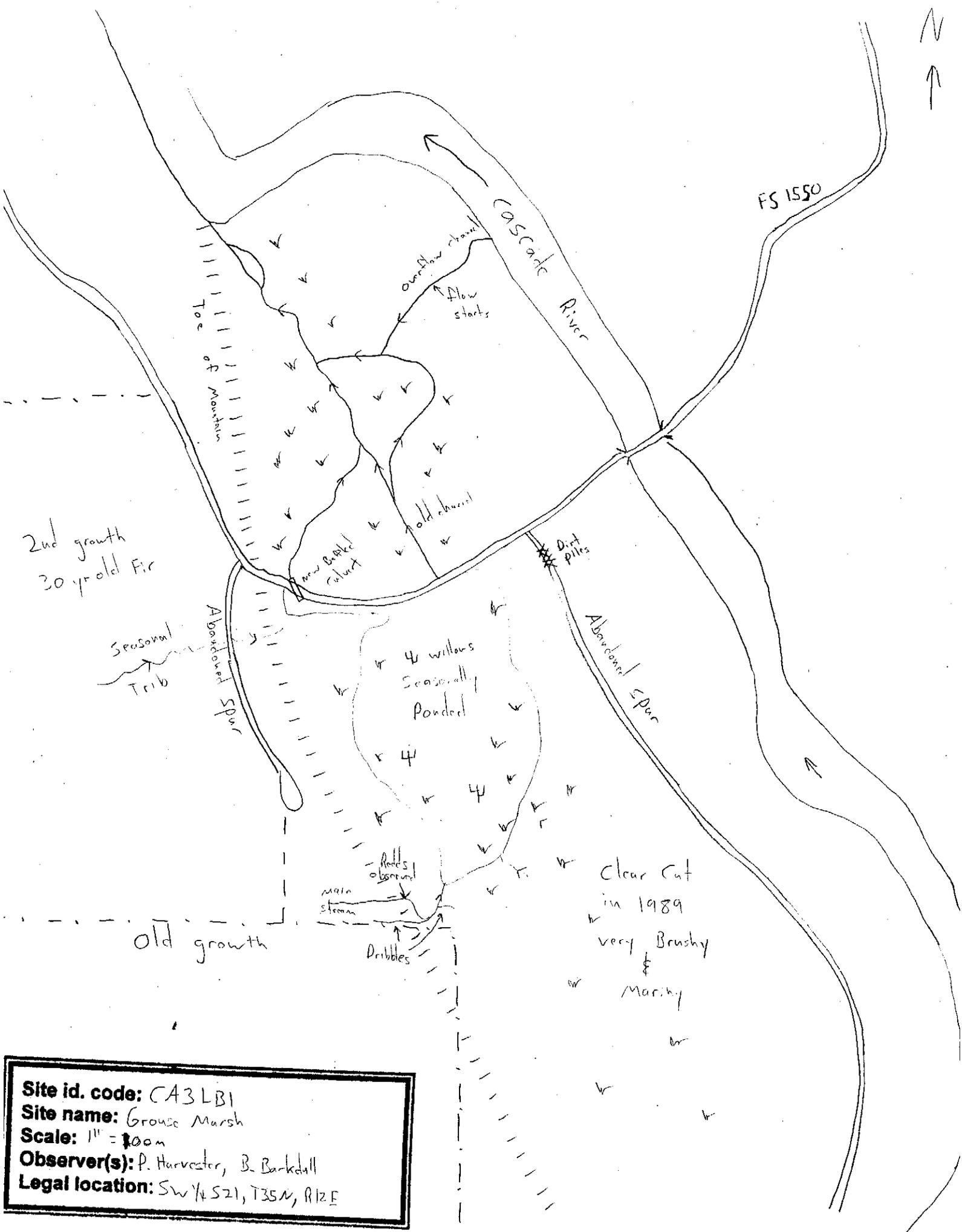
Equipment access:

ADDITIONAL COMMENTS

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping

Other References: The Skagit System Co-op has trapping information regarding the site prior to the installation of the baffled culvert.



2nd growth
30 yr old Fir

Seasonal
Trib

Abandoned Spur

old growth

main stream
Drubbles

4 willows
Seasonally
Ponded

Clear cut
in 1989
very Brushy
&
Marshy

Dirt Piles

Abandoned Spur

FS 1550

CASCADe River

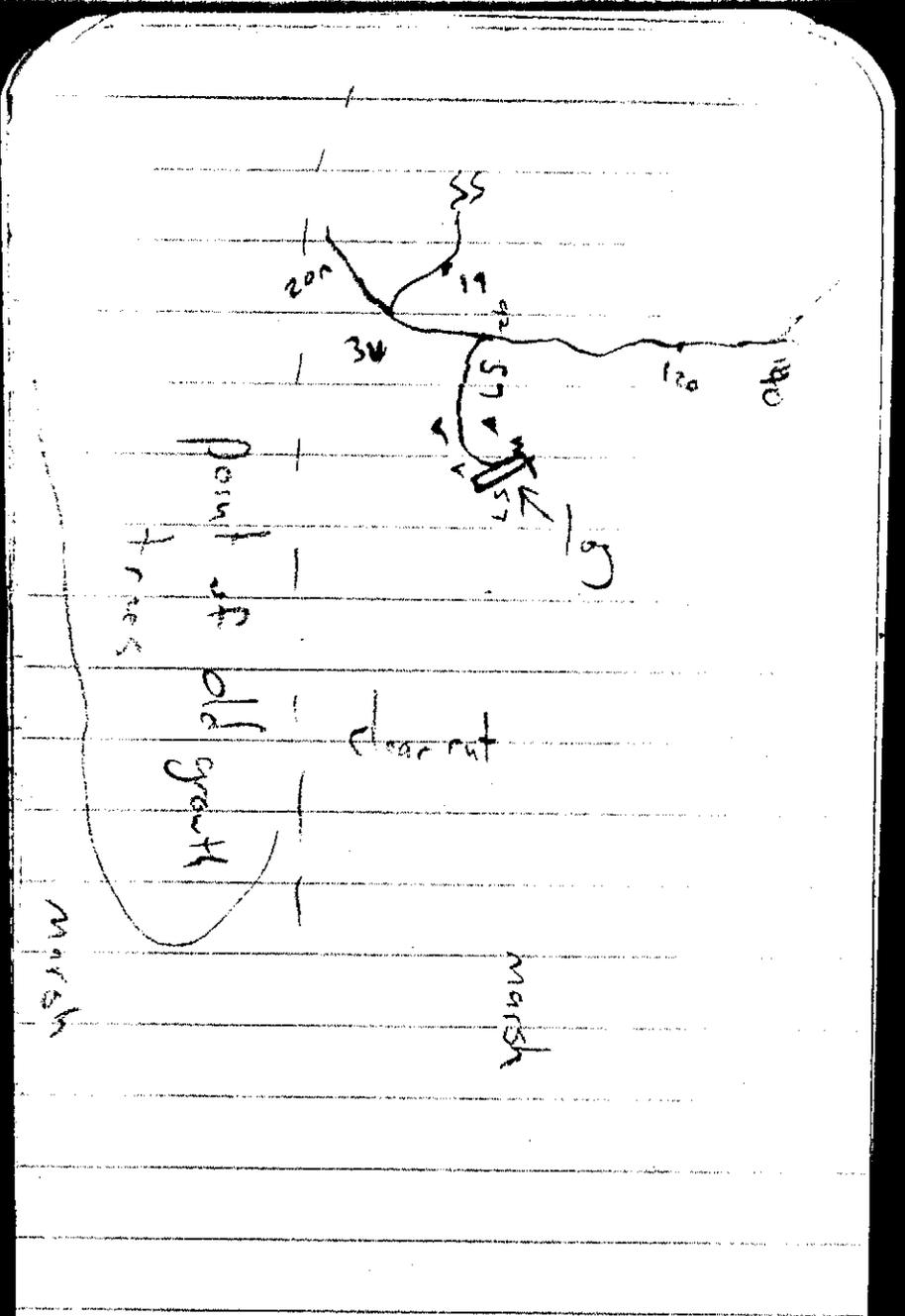
overflow channel
Flow starts

old channel

new Bank
culvert

Toe of Mountain

Site id. code: CA3LBI
Site name: Grouse Marsh
Scale: 1" = 100m
Observer(s): P. Harvester, B. Barkdall
Legal location: SW 1/4 S21, T35N, R12E



4/10/08 trip into Grass Marsh

0.0 1.5 Cascades

19.0 1.5 5 Colo. Arils? Colo Os

10m of gravel

34 1.0 drizzle coming in on light

Bank

57 1.8 0.11.1.1.1

Water table into Grass marsh

0.0 1.5 Cascades

19.0 1.5 5 Coleo. Heads? Coleo. O's

10 m of gravel

34 1.0 Arribale coming on light

Bank

57 1.8 Right Bank fork

57 Top of fork

92 Back to forks 3.0 wide fall
of Coleo. O's, skunk cabbage
marsh

120 1.0 Runs under ground
most of way

140 4.0 Backside of marsh

Total Area 355 sp-10

Length 197'

CA3LBI

AM 12.0 SW21 T35 N R12E

CASCADE MARSH CHANNEL / Pond
 P. HARVESTER
 9-6-90
 H₂O TEMP 48°F
 1" = 200'

