

**SITE INFORMATION**

**Site Identifier :** CA1LB1 **Landowner Type :** Private  
**Site Name :** **Landowner Name :**  
**WRIA :** 03.1411C **Address :**  
**Region :** NS **Address2 :**  
**Trib to :** Cascade R **City :**  
**River Mile :** 0.10 **State :**  
**River System :** Cascade R **Zipcode :**  
**Legal Description :** NW1/4S18T35NR11E **Phone :**  
**County :** Skagit  
**Habitat Type :** terrace tributary

**Directions :**

Take highway 20 to Marblemount, turn right and cross the Skagit, take the first right (Rockport-Cascade Road) and cross the Cascade. The road will curve around past the hatchery back toward the mouth of the Cascade. The site is located a short distance above the mouth alongside the road.

**Area Overview :**

Site is made up of two small perennial streams and a groundwater fork, has good spawning and rearing habitat and is heavily used by adult coho up to the cascades on each fork.

**Field Survey Information**

**Date :** 02/09/1995 **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: 3.0  
 Upper end: Main trib 1.5, secondary trib 1.0, groundwater trib 0.5  
**Water Temperature(C):** Lower end: 9  
 Upper end: 9  
**Receiving Water Temperature (C):** 6

**Other Observations:**

**Site Area Measurements:** ( ) Indirect (x) Direct ( ) Combination  
 Widths: Channel: 2.0 Ponds: Wetlands:  
 Depths: Channel: 0.1 Ponds: Wetlands:  
 Total length (includes ponds and wetlands): 773

**Total existing habitat area (est. m2):** 1451  
 Spawning area: Mainstem: 360 Tribs: 55 Total: 415  
 Impounded area: Mainstem: Tribs: Total:  
 Other rearing area: Mainstem: 989 Tribs: 462 Total: 1451  
 Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: Good gravel can be found in both surface streams and the mainstem, some patch gravel is in the groundwater channel.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: Good riffle/ pool habitat exists in the mainstem and part way up both surface streams before the gradient increases, very good low gradient habitat exists in the groundwater fork.

Describe unaccessible habitat: High gradient cascading type water.

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: The groundwater fork and mainstem are flooded on extreme events.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: There is a back eddy at the mouth of the channel, and the lower end is backwatered except at very low flow periods by the cascade.

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

Describe: Large numbers of adults use this site every year, coho juveniles have been observed in great quantities on numerous occasions

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: Trout use is probable but unknown.

#### ENHANCEMENT OPPORTUNITIES:

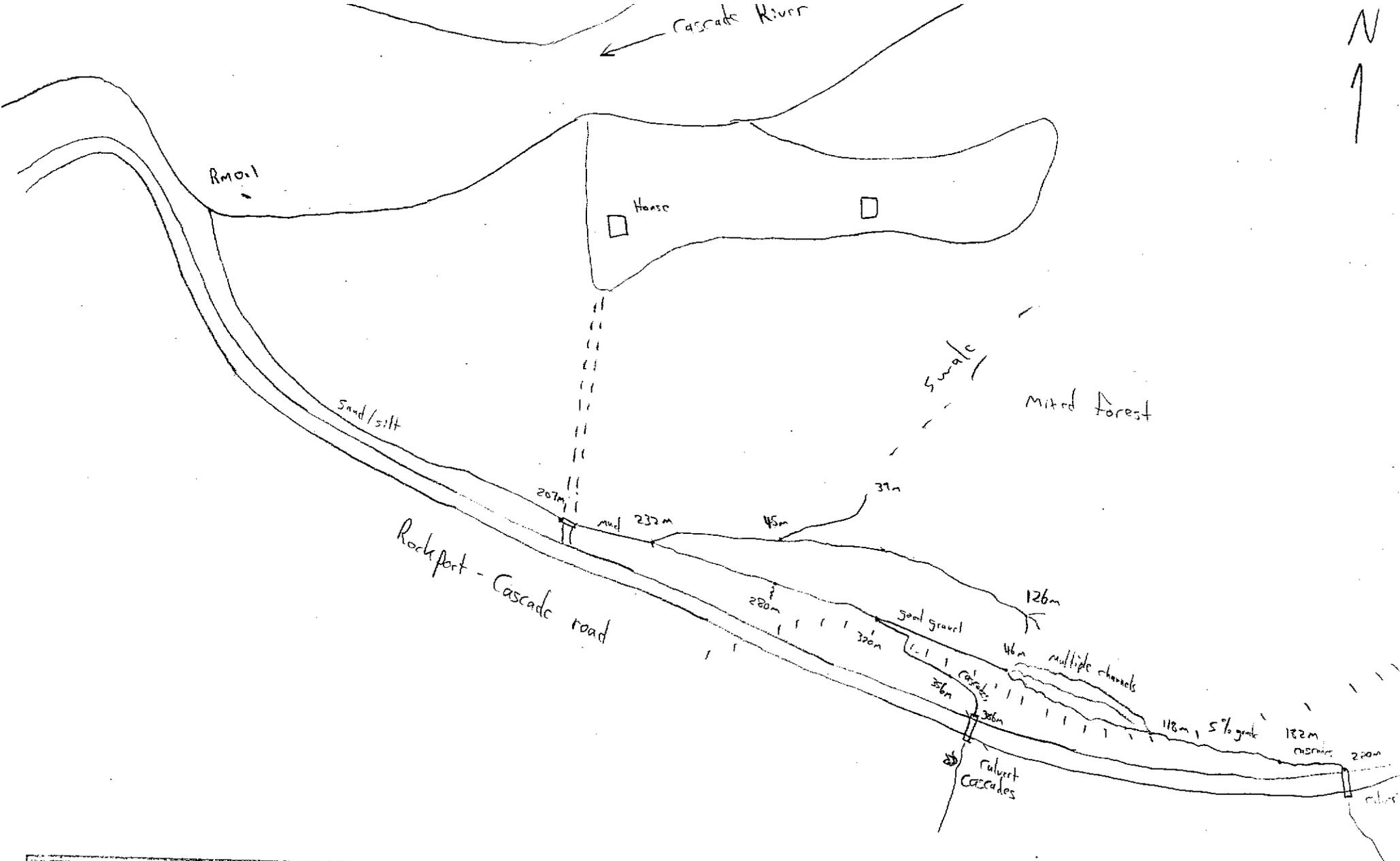
Project type: culvert replacement

Equipment access: good

ADDITIONAL COMMENTS: The culverts under the Rockport-Cascade road do not meet passage criteria but the area that would be made accessible is only a few meters.

#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References



Site id. code: CA1 LB1  
Site name:  
Scale: 1" = 50 m  
Observer(s): B. Barkdull  
Legal location: NW18, T35N, R11E



19/12/96 Cascade R. Sub 111C

200 1.5 m 45°

207 2.0 pieces of gravel, sand/silt mainly

232 2.0 Parks, coarse sand,

280 2.0 5m double LB coarse sand per grad.

300 2.0 fine gravel, clasts of chert, fakes.

356 1.0 fine gravel, 2% grade, gtt. spher.

386 0.5 fine gravel, 5% subv. double

Cohe got to collect

386 1.0 other fork

432 1.5 fine to 1" gravel, alluvial fan

504 channel come back together

568 1.5 fine gravel to cobbles, 5% grade

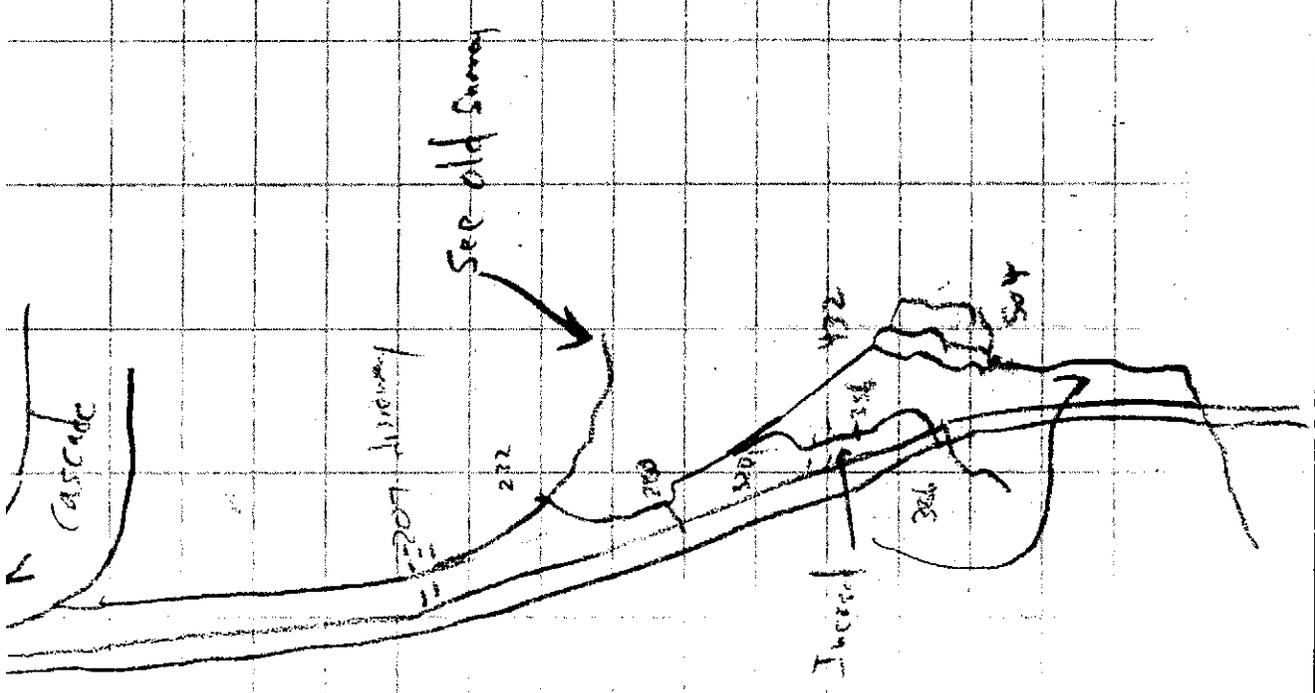
at impossible? log jam w/ Gr. bould.

606 2.0 10% grade, try observed to

just below collect

SM. amount habitat above collect

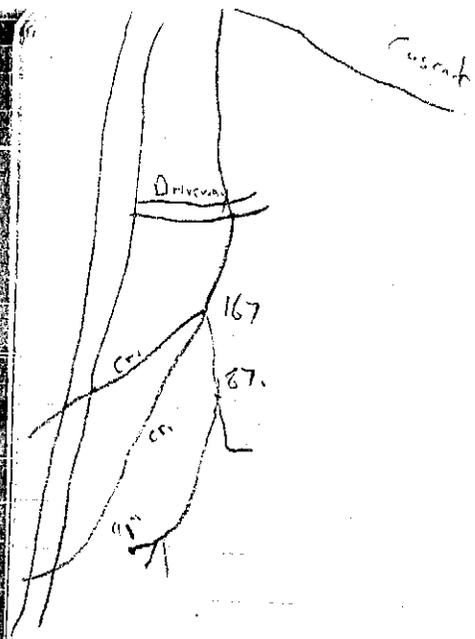
Collect Passat



3702

NW 1/4 T35N R11E

CALLBI



Total Area 411 m sq. 45 m sq.

2 lanes 1411 "C" slough into creek  
from top of "C"

- 0.0 0.30 m. wide mud bottom
- 19.0 1m. 3 forks some together some
- 45.0 2m Several rocks, low gradient
- 87.0 2m another fork
- 87.0 Right fork 1.5 m wide
- 128. Right fork dry
- 128. Back to main road
- 167. End Ave width 5m.

1411 "C" full of carcasses in upper 0.1  
lower 0.1 Pen gravel to Mud  
a few carcasses. 2 Rocks observed  
above road. Culvert possible

SITE IDENTIFIER:CA1LB1  
LOCAL NAME:1411C trib

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

RIVER:Cascade SURVEY DATE:2/9/95 OBSERVER:B. Barkdull

WRIA: none RIVER MILE/BANK LOCATION: 0.1 to 1411C

LEGAL LOCATION DESCRIPTION: 1/4 SECTION SEC.18 T.35N R.11E

CHANNEL TYPE:slough

	RIVER	LOW END	UPPER END	O T H E R LOCATIONS
WATER TEMP:		None taken		
FLOW (CFS):		0.1 cfs (est.)		
WATER QUALITY:		good, ground water		

SUBSTRATE TYPE/SPAWNING GRAVEL ABUNDANCE & CONDITION:  
25% gravel, 75% mud/silt

COVER/LOD: Good throughout

SITE DIMENSIONS: LENGTH: 167 meters  
WIDTH-WETTED: 0.3-5.0 meters  
WETTED AREA: 398 m2  
DEPTH: up to 0.4 m

WATER SOURCE: Perc from Cascade river and 1411C creek

FISH ACCESS/BLOCKAGES/CURRENT USE (BOTH ADULTS & JUV.):  
Heavily used by adults, juveniles observed

LANDOWNER:Unknown

CHANNEL ENTRANCE CONDITIONS: Good

FACTORS LIMITING PRODUCTION: None

SITE IDENTIFIER:CA1LB1  
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NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

UP-OUTMIGRANT TRAPPING CAPABILITY/OPPORTUNITY/DIFFICULTIES:  
none anticipated

BEAVER ACTIVITY:none

HEAVY EQUIPMENT ACCESS:none

DIRECTIONS TO SITE:

Take the Rockport-Cascade road towards Marblemount, the road will switch from following the Skagit river to following the Cascade. Site is located 100 meters or so from the cascade river mouth.

ENHANCEMENT OPPORTUNITIES AND COMMENT:

No enhancement is needed. This small site along with 1411C are very well used by adults, and probably by juveniles as well