

SITE INFORMATION

Site Identifier : WC2RB2 **Landowner Type :** Federal
Site Name : Bench Cr **Landowner Name :** USFS
WRIA : 03.1143A **Address :**
Region : NS **Address2 :**
Trib to : White Chuck R **City :**
River Mile : 6.05 **State :**
River System : White Chuck R **Zipcode :**
Legal Description : NW1/4S14T31NR11E **Phone :**
County : Snohomish
Habitat Type : terrace tributary

Directions :

From Darrington, head south on the Mountain Loop highway for approximately 8 miles to the FS 23 road. Turn left and go approximately 5.1 miles to the bridge over the White Chuck and park at the White Chuck Bench trailhead on the left. The site is approximately 50 feet down the trail.

Area Overview :

Site is made up of a pair of surface streams with a heavy spring influence, and a fork with two seasonally flowing scalp ponds. The mainstream offers excellent rearing and some spawning habitat, and the right fork is inaccessible.

Field Survey Information

Date : 9/1/1998 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

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

Flow: () Intermittent(x) Year-round

Estimated Flows (cfs): Lower end:0.2
Upper end:0.1 in the main channel and in the right trib, 0 in the left trib.

Water Temperature(C): Lower end:14
Upper end:14

Receiving Water Temperature (C):9

Other Observations:

Site Area Measurements: () Indirect (x) Direct () Combination
Widths: Channel:1.0 Ponds:7.5 Wetlands:
Depths: Channel: Ponds: Wetlands:
Total length (includes ponds and wetlands):242

Total existing habitat area (est. m2):392 (in Winter)

Spawning area:	Mainstem: 40	Tribs:	Total: 40
Impounded area:	Mainstem:	Tribs: 152	Total: 152
Other rearing area:	Mainstem: 137	Tribs: 103	Total: 240
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Patch gravel of a mixed size from sand to cobbles from the right bank trib to the mouth.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The left bank trib and the associated ponds only flow in the winter. The ponds are scalp ponds and are open and shallow with little cover. The outlet and the main trib are low gradient with mixed pools and riffle with dense overhead cover and woody debris, and patches of water parsley. Flows are even due to a large spring influence.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Site does not appear to flood

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Fish have direct access to the site from the river.

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

Describe: See additional comments.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Large numbers of cutthroat trout have been electroshocked at this site

ENHANCEMENT OPPORTUNITIES: The ponds could be enlarged and/or deepened to encourage flow all year around.

Project type: Pond and channel creation.

Equipment access: Good from the trail parking lot

ADDITIONAL COMMENTS: Site was electroshocked in summer of 1994 and 1996 and only cutthroat were found. The entrance conditions then were very poor but now the situation has improved dramatically and coho should have no problems entering the site.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References: Electroshocking

Site id. code: WC2 RB2

Site name: Bench cr.

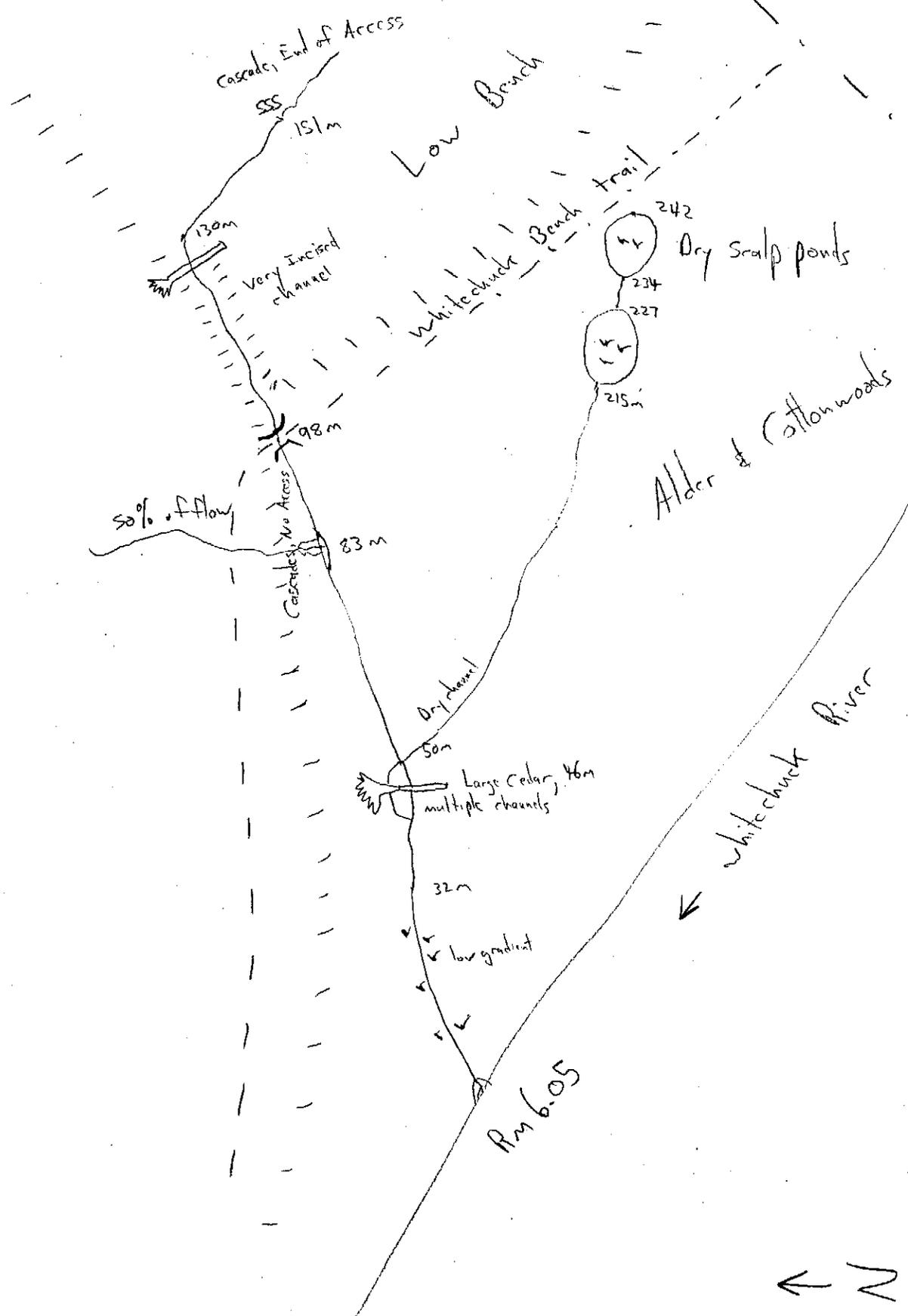
Scale: 1" = 20m

Observer(s): B. Barkhill

Legal location: NW 1/4 S14, T31N, R11E

Parking Lot

old growth



9/1/82 Bank on Whitechuck R

0.0 0.6 58° water. Extreme pool
probably below water at 1/2 hrs

32 1.0 1% grass, 50% sp.

46 2.0 Cobble at larger log

50 2.0 multiple small logs

Dry in EB, grass bank

83 1.5 mix of pools & rocks

Cobbles & gravel, some

spot sp. 50% of flow in

Bank ch

0.2 0.4 sand bottom, at trail

130 0.3 Very incised channel

151 0.2 pebbles out, cobbles

probable end of A cross

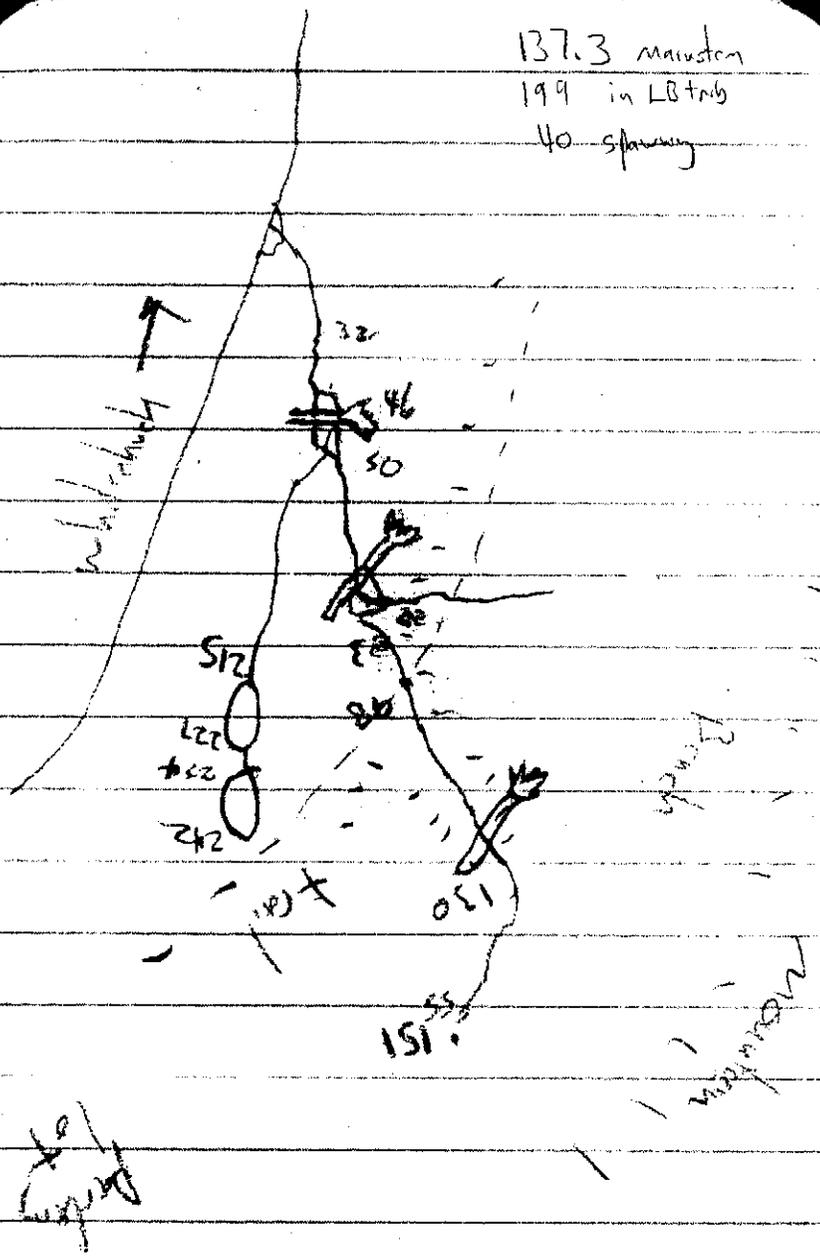
151 dry in

215 1.5 dry at scarp pond

227 ch, 234 Pond, 242 2nd

WC2RB2, AM 6.05, TW 1/4 14, T31N, R11E

137.3 maunden
 199 in LB tub
 40 spawning



9/1/98 Bend cr. Whitechuck R.
 0.0 0.6 58° water Entrance good
 probably backwater at ↑ flow
 32 10. 1% gage, 50% sp. ground
 46 2.0 Cobble at large log
 50 2.0 multiple boulders
 Drive in LB ground built up