

SITE INFORMATION

Site Identifier :	CA1LB4	Landowner Type :	Private
Site Name :	Schumacher slough	Landowner Name :	
WRIA :	03.1421X	Address :	
Region :	NS	Address2 :	
Trib to :	Schumacher Cr	City :	
River Mile :	0.20	State :	
River System :	Cascade R	Zipcode :	
Legal Description :	SW1/4S8T35NR11E	Phone :	
County :	Skagit	Coordinates	
Habitat Type :	terrace tributary	East:	1,780,930.68 North: 1,165,285.23

Directions :

Take highway 20 to Marblemount, turn right and cross the Skagit river. Take the first right and cross the Cascade river then immediately turn left. This road crosses Schumacher creek in one half of a mile. The site flows into Schumacher cr. just below the road.

Area Overview :

This is a relic river side channel that according to locals was connected to the Cascade river in the 60's. Site flows all winter and spring and provides good spawning conditions for adults and fair rearing for juveniles.

Field Survey Information

Date : 2/27/95 **Observer :** Barkdull **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermittent Year-round

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

Water Temperature(C): Lower end:9
Upper end:9

Receiving Water Temperature (C):

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel:2.3 Ponds: Wetlands:

Depths: Channel:0.1 Ponds: Wetlands:

Total length (includes ponds and wetlands): 376

Total existing habitat area (est. m2): 1097

Spawning area: Mainstem:225 Tribs: Total:225

Impounded area: Mainstem: Tribs: Total:

Other rearing area: Mainstem:1097 Tribs: Total:1097

Unaccessible habitat: Mainstem: Tribs: Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Patch gravel exists throughout the site, the rest is sand and silt.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: Site is a relic river channel that is fed by groundwater when the watertable is high, roughly 8-9 months a year. Site is a mix of shallow pools and riffles and is low gradient. Site has good riparian cover but has little instream cover.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Site is backwatered during moderate events and overtopped during extreme events. Bank hardening by the landowner on the upstream side probably cut this channel off from regular river overflow.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: The site flows into a side channel of the Cascade River, fish have direct access into the site.

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

Describe: Juveniles have been observed in fair numbers, adult coho have been observed in large numbers.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Pinks have been observed spawning in the lower reaches, trout use is probable.

ENHANCEMENT OPPORTUNITIES: None

Project type:

Equipment access:

ADDITIONAL COMMENTS: Schumacher creek is where Clark creek is shown except it goes straight to the Cascade. The locals along Schumacher Creek say the slough was part of the Cascade in the 60's, and that it usually goes subsurface in June. An intermittent stream which only flows at extreme runoffs feeds into this system.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

← Cascade river



Rm 1.3

Side channel

Forest

Forest

503m

Farm

Rm 0.2

Side channel, Intermittent

Deford swale

268

316

376

71m

Schumacher creek (Ditch)

ephemeral stream

Farm

Forest

Site id. code: CA1LB4

Site name: Schumacher slough

Scale: 1" = 100 metres

Observer(s): B. Barkdull

Legal location: SW 8, T35N R11E

SITE IDENTIFIER:CA1LB4
LOCAL NAME: Schumacher slough

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NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

UP-OUTMIGRANT TRAPPING CAPABILITY/OPPORTUNITY/DIFFICULTIES:
no problems anticipated

BEAVER ACTIVITY: None

SITE IDENTIFIER:CA1LB4
LOCAL NAME:Schumacher slough

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

RIVER: Cascade SURVEY DATE: 2/27/95 OBSERVER: B.Barkdull
03-1411A 03.1421

WRIA: None RIVER MILE/BANK LOCATION: 0.2 into Schumacher cr.

LEGAL LOCATION DESCRIPTION: 1/4 SECTION SW SEC.8 T.35N R.11E

CHANNEL TYPE: Relic side channel

	RIVER	LOW END	UPPER END	OTHER LOCATIONS
WATER TEMP:		48 f		
FLOW (CFS):		0.2 cfs (est)		
WATER QUALITY:		appears good		

SUBSTRATE TYPE/SPAWNING GRAVEL ABUNDANCE & CONDITION:
Patch gravel over 25% of area, the rest is sand/silt

COVER/LOD: Good cover and LOD

SITE DIMENSIONS: LENGTH: 376 meters

WIDTH-WETTED: 1-4 meters
WETTED AREA:1097 m2

DEPTH:1' or less

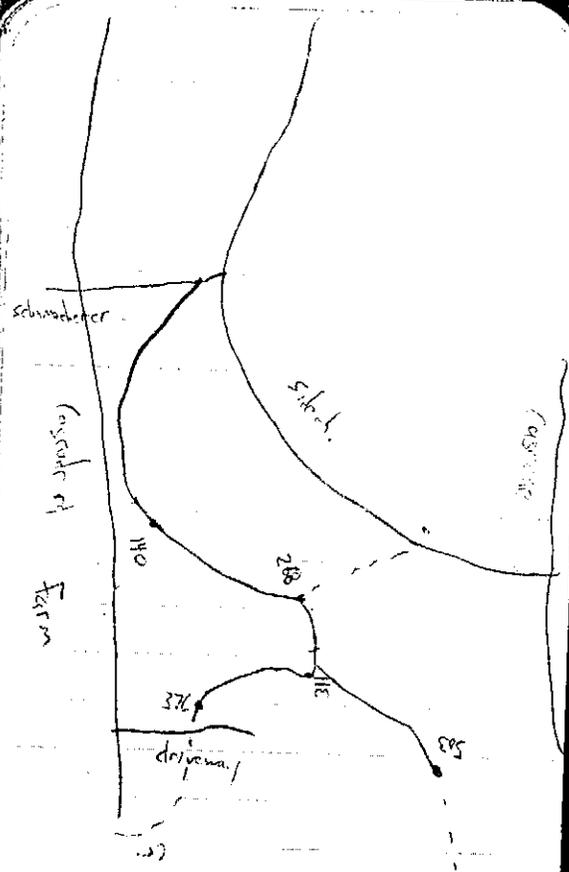
WATER SOURCE: river perc and surface flow from a small intermittent stream

FISH ACCESS/BLOCKAGES/CURRENT USE (BOTH ADULTS & JUV.):
Good adult use, no access problems

LANDOWNER:unknown

CHANNEL ENTRANCE CONDITIONS: Very good

FACTORS LIMITING PRODUCTION: Site is intermittent



2/21/95 Taylor ch.
 water to 220 m
 and, in places above

2/27/95 Schumacker Slough.

- 0.0 width 5m pond area
- 71. 3m some gravel, sandy rubble
Coho carcasses obsv'd. Narrow
- 140 2m
- 205 4m spring on LB
- 268 3m middle of suite on RB
- 311 1.5
- 376. 1.0 stream goes ^{50' above channel} intermittent
- 503 Intermittent ch.

Patch spawning throughout. Local spring channel was part of river 30 yrs ago