

SITE INFORMATION

Site Identifier : AL1LB7 **Landowner Type :** Private
Site Name : **Landowner Name :**
WRIA : 03.0359X **Address :**
Region : NS **Address2 :**
Trib to : Alder Cr **City :**
River Mile : 1.20 **State :**
River System : Alder Cr **Zipcode :**
Legal Description : SE1/4S7T35NR7E **Phone :**
County : Skagit
Habitat Type : terrace tributary

Directions :

From Sedro Woolley, head east on highway 20 for approximately 9.8 miles to Cabin Cr road. Turn left and go 0.1 miles to the Hamilton Cemetary road. Turn right and go 0.2 miles to the second left or HO 1000 mainline. Turn left and go approximately 1.1 miles to a fork, stay right and continue for another 1.6 miles to another fork. Stay right (downhill) on the HO 1300 road for approximately 1.3 miles to the HO 1330 on the right. Turn right and go approximately 1.2 miles to where you just entered into a clear cut and on your left, approximately 100m into the clear cut, is a foot trail (you will be on the east side of the creek at this point). Hike to the foot trail and follow it to Alder Creek. Hike downstream approximately 0.45 miles to the site.

Area Overview :

This terrace trib has some beaver activity on it and appears to be surface fed. The beaver dam at 29m appears to be a fish barrier, making upstream habitat unaccessable.

Field Survey Information

Date : 02/03/1997 **Observer :** Olis **Survey Type :** initial

HABITAT INFORMATION

Water Source: Spring Groundwater Surface runoff

Flow: Intermitent Year-round

Estimated Flows (cfs): Lower end: 0.5
Upper end: 0.3

Water Temperature(C): Lower end: 7.2
Upper end: 7.2

Receiving Water Temperature (C): 5

Other Observations:

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 1m Ponds: Wetlands:

Depths: Channel: 15cm Ponds: Wetlands:

Total length (includes ponds and wetlands): 108m

Total existing habitat area (est. m2): 194

Spawning area: Mainstem: Tribs: Total:

Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 29	Tribs:	Total:
Unaccessible habitat:	Mainstem: 165	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: There is 3m of spawning habitat above the 62m point which is currently unaccessible because of the beaver dam and the subsurface flow. It consists mainly of 1" to 3" gravel, water depth is 6" to 8", and there is a small amount of cover for adults to hide from predators.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The only accessible habitat is the 29m below the beaver dam. It is 1m wide, has a silty substrate and is 40% pooled. There is also a fair amount of cover from vine maple, alders and berries.

Describe unaccessible habitat: The habitat above the beaver dam includes: a 34m by 8m shallow pond area that appears to be partially drained and very silt laden; just above the pond is a 9m stretch that goes subsurface; and the rest is riff to cascade habitat as the grade increases to the end of the anadromous zone.

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: This creek doesn't appear to be affected that much by mainstem flooding but does appear to have high flows itself, causing heavy siltation and incised banks on the upper section of this site.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a good size eddy pool at the entry.

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

Describe: At this point in time, it appears that only the first 29m is accessible to both adults and juveniles. I would speculate that there is a fair amount of juvenile use in this section (none were observed during the survey). It is very possible that the beaver dam may get blown away some time in the future, especially with the flows this creek appears to have during flood events, and make the upper habitat accessible.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: No trout were observed but site is accessible to them.

ENHANCEMENT OPPORTUNITIES: None

Project type:

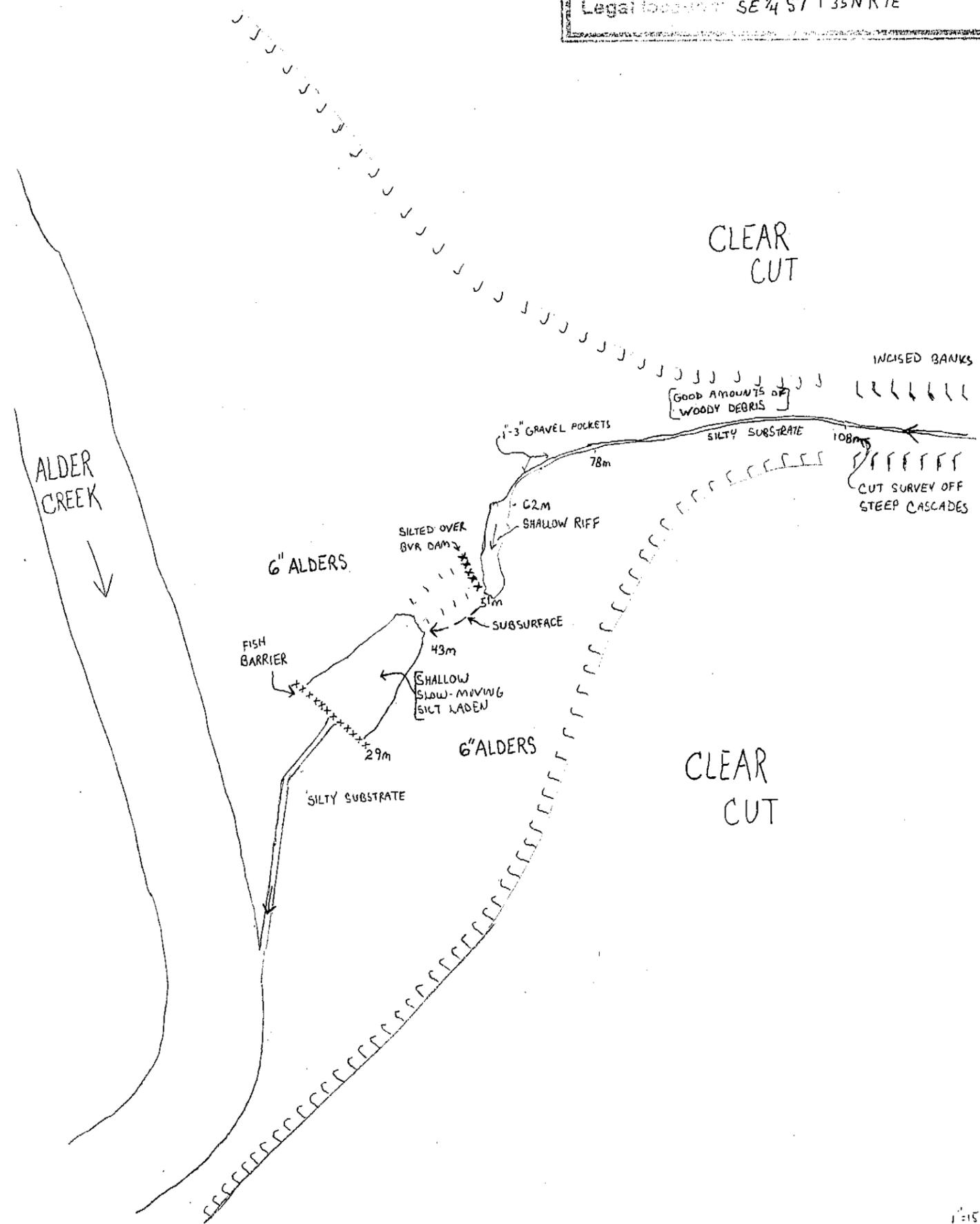
Equipment access:

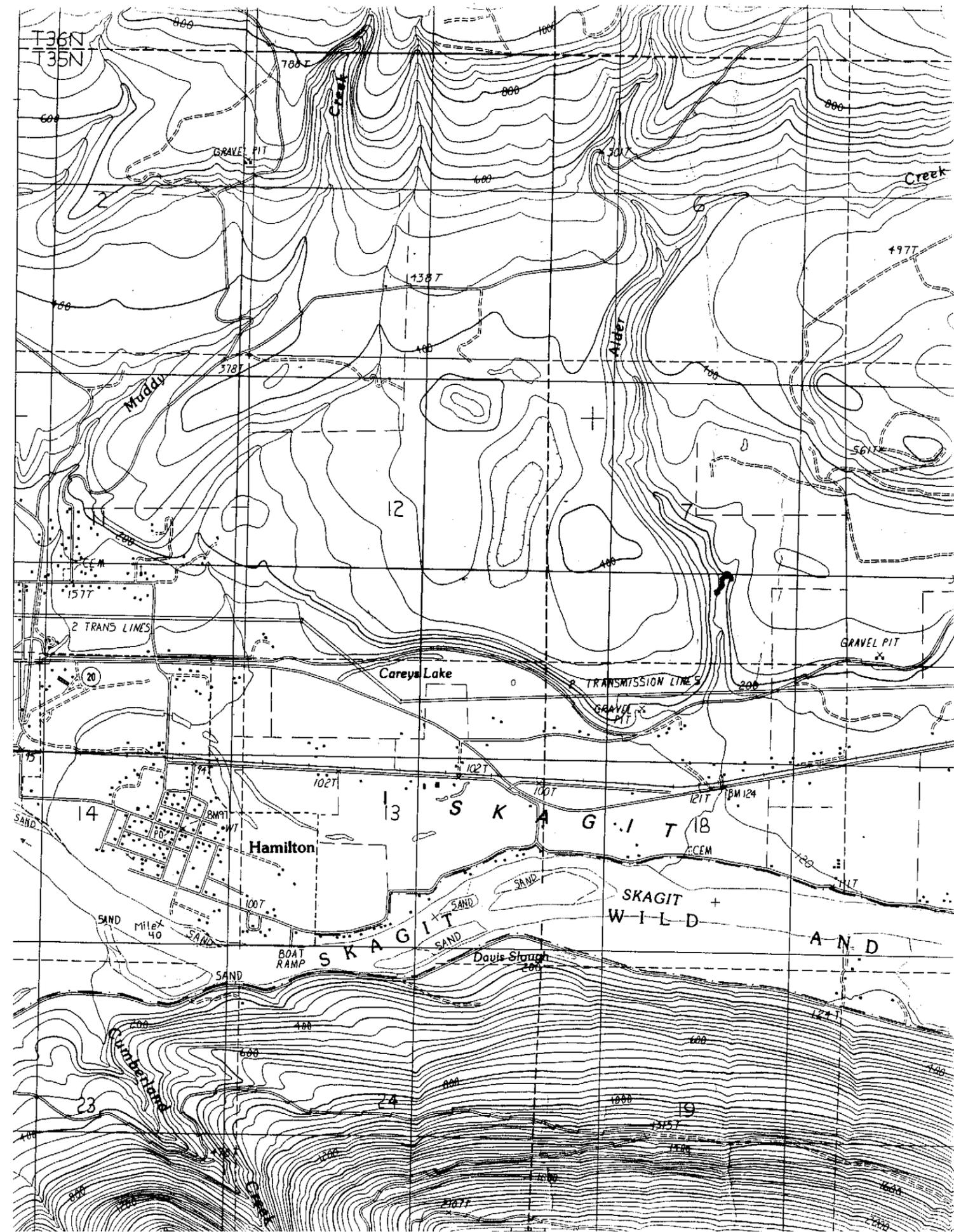
ADDITIONAL COMMENTS: Up above this site, the creek flows through a large clear cut area which could explain why this creek gets such high flows and heavy siltation. The survey was cut off because of steep cascades.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

Site ID: AL1LB7
 Site name:
 Scale: 1" = 15m
 Observer: OLS
 Legal location: SE 1/4 S7 T35N R7E



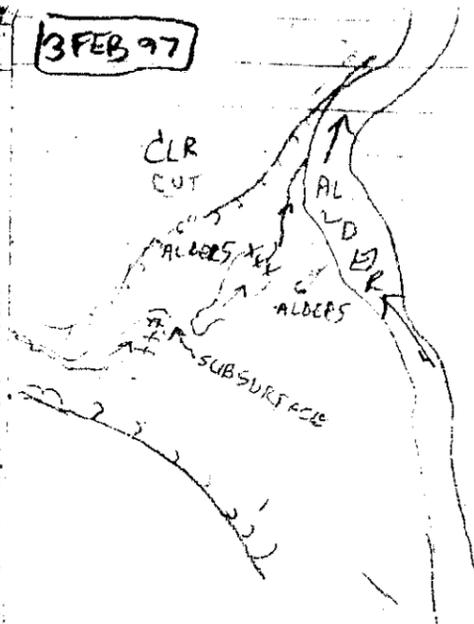


AL1LB7

RM 1.2

SE 1/4 S7T35N R7E

3 FEB 97



O.O ENTRY

- FLOW 0.5 CFS
- STRM TEMP 45°
- REC WTR 41°
- NICE EDDY POOL @ ENTRY
- 29m ww 1m
- 40/60 P-RIFE
- SILTY SUBSTRATE
- @ 4' HIGH B&R DAM
- 12 m LONG
- WTR SEEPING THROUGH BUT LOOKS LIKE A BARRIER
- 43m ww 8m
- SHALLOW, SLOW MOVING
- VERY SILT LADEN

51m WW 1m

- FLOW IS SUBSURFACE
@ AS IT FLOWS AROUND
SILTED BUR DAM &
UNDER GROUND.

62m WW 2m

- MOSTLY SHALLOW
RIFF.

78m WW 0.5 RIFF

- SOME 1-3" GRAVEL
IN SUBSTR.
- MAYBE 4M² OF SPAWN
HAB.

@ TOE OF HILL

108m WW 0.5m

- GRADIENT IS TOO
STEEP

- IN CLEAR CUT
- INCISED BANKS W/
SILTY SUBSTRATE
- CASCADES W/
WOODY DEBRIS CLOGGING
STREAM
- WTR TEMP 45°

COMMENTS

- SOME OVERWINTER
REARNG W/ SPAWNING
HAB ABOVE BARRIER
DAM.

- SURFACE FED &
INTERMITTANT

~~STREAM HAS~~ VERY HIGH
FLOWS ↑

NO FISH SEEN