

SITE INFORMATION

Site Identifier :	FI1LB1	Landowner Type :	Private
Site Name :	Finney channel	Landowner Name :	John Hancock Inc.
WRIA :	03.0392X	Address :	
Region :	NS	Address2 :	
Trib to :	Finney Cr	City :	
River Mile :	2.30	State :	
River System :	Finney Cr	Zipcode :	
Legal Description :	NW1/4S20T35NR8E	Phone :	
County :	Skagit	Coordinates	
Habitat Type :	man-made impoundment	East:	1,682,037.00
		North:	1,161,159.00

Directions :

Take the South Skagit Highway approximately 10.75 miles east of Day Creek to the Lower Finney mainline on the right. Turn right and go approximately two miles down the mainline to the site. You will need a Crown Pacific gate key to access this site.

Area Overview :

The upper end of this site was enhanced by the Skagit System Co-op in 1993. A 165m x 4m area was excavated and appears to add 660 square meters of over-winter rearing habitat to this site. Although this site currently gets fair coho use, it also is very floody and is subject to alterations created by flooding. Also the outlet from the excavation may dry up , stranding juveniles.

Field Survey Information

Date : 12/26/96 **Observer :** Olis **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: 1.6
Upper end: 4.4

Receiving Water Temperature (C): 0.5

Other Observations: Although the excavated area stays watered up year round, the outlet appears to dry up periodically, stranding fish until flow increases.

Site Area Measurements: Indirect Direct Combination

Widths: Channel: 3m Ponds: Wetlands:

Depths: Channel: 0.5m Ponds: Wetlands:

Total length (includes ponds and wetlands): 634m

Total existing habitat area (est. m2): 2255

Spawning area: Mainstem: 15 Tribs: Total:

Impounded area:	Mainstem:	Tribs:	Total:
Other rearing area:	Mainstem: 2240	Tribs:	Total:
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat: Has 1"-4" gravel, seems to be fair amount of cover so adults can hide from predators but a fair amount of silting occurs during high flows.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: The excavated channel is 4m x 165m and appears to be 2m deep in places. It has some good amounts of wooded structure in it and some light brown algae is growing on the substrate in places. The water temperature was 3 C warmer in the excavated area than at the entry. There is an occasional pool in the lower portion of this site that may offer some over winter rearing, but juveniles would probably be more attracted to the excavated area in the upper section.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Most of this site is on a bench that gets hit pretty hard by flooding. There is debris stacked up in places as well as heavy silting. The excavated area appears to be more protected from flooding as it sits higher on the back of the bench.

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: There is a pool area at the entry however, this section is exposed to heavy flooding and may be altered from year to year.

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

Describe: A fair amount of juveniles have been trapped out of this site in previous years and a fair amount of adults have been observed spawning at this site.

Other species acces and use: Chum Pink Sockeye Chinook Trout

Describe: This site is accessible to trout and I would expect them to be using this site also.

ENHANCEMENT OPPORTUNITIES

Project type:

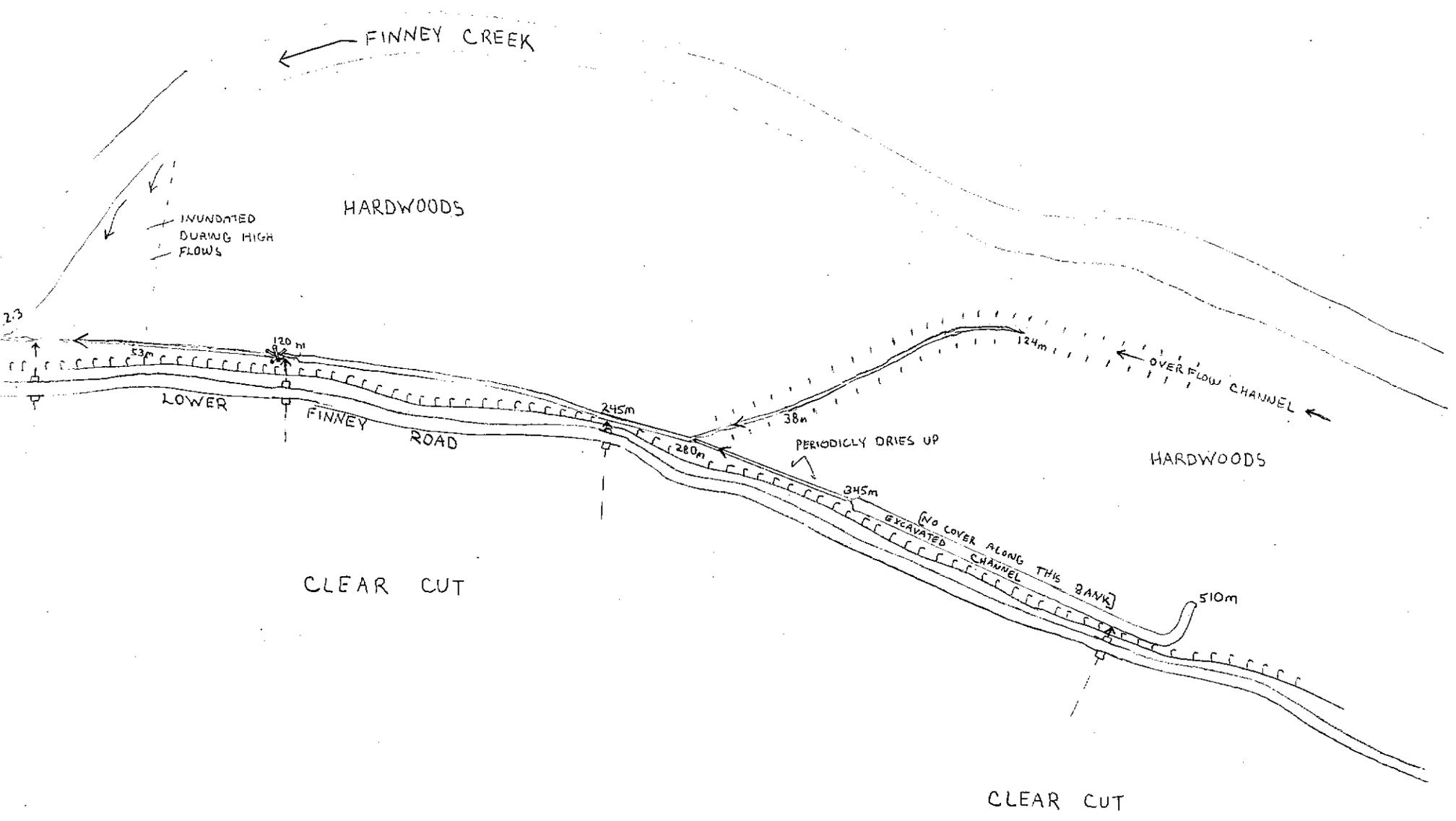
Equipment access:

ADDITIONAL COMMENTS It appears that there is more room to extend the excavation further back onto the bench, making more rearing available to over-wintering cohos. This site was constructed by John Hancock in cooperation with the S.S.C.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping

FIILBI
FINNEY CHANNEL
1" = 55 m
MICHAEL OLIS
NW 1/4 S 20 T 35 N R 8 E



FINNEY CHANNEL

FI 1 LB 1

RM 2,3

NW 1/4 S 20 T 35 N R 8 E

26 DEC 96

FINNEY CHANNEL

LOWER FINNEY
MAINLINE

CLEAR
CUT

HOWDS

HOWDS

6" SNOW ON GROUND
26^o

0:0 ENTRY

REC WTR - 33^o

STREAM TEMP -

FLOW - 0.15 CFS

- POOL @ ENTRY

17m - INT. STRM LB

26m - PVC PIPE w/ OTT @ SA

53m WW 1.5m

- MOSTLY RIFF

- GOOD COVER

- SUBSTR. 2"-4" GRAVEL

- HEAVY FLOOD AREA

120m WW 1.5m 50/50 P/R

- @ INT STRM ON LB

- @ LOG JAM

120m... 2 REDDS

OBSERVED

- GOOD AMOUNTS OF WOOD
STRUCTURE

245m WW 4.5m POOL

- @ INT STRM ON LB
- SUBSTR. SILTY
- MAY BE 1M DEEP IN
PLACES

280m WW 4m POOL

- 1 COHD. - 1 REDD
- @ FORK & TRAP SITE (REZERO)

38m WW 1.5m POOL RF

- 1 COHD 1 REED

60m WW 1M

- SLOW MOVING
- SILTY

109m WW 4m POOL

- VERY CLOSE TO MAINSTEM
(50m)

124m 2m POOL

- END OF WATER
- 4" GROUND WATER
- GOING BACK TO LF
- THIS FORK CURVES TOWARDS
MAINSTEM
- LF

345m WW 1.5m

- SLOW-MOVING SHADLOW
- @ VERY GOOD COVER
- @ TRAP SITE
- BEGINNING OF EXCAVATION
- SUBSTR. IS MUCKY
- 4" DRAIN TILE DOWN MIDDLE
OF STRM

444m WW 6m Pool

(a) INT. STEEL LB

- GOOD WOOD STRUCTURE IN
POOL

- PARTIALLY ICED UP

510m WW 5m POOL

- END OF EXCAVATION

- LACKS COVER OR RB

- 2m DEEP IN PLACES

- WTR TEMP 40°

COMMENTS

- EXCAVATED CHANNEL

- 12-15m² SP. HAB.

1"-4" GRAVEL (SOME COVERED
W/ SILT)

- TWO COND & FOUR REDDS

- HIGH FLOOD POTENTIAL

- LOG JAM PRESENT &
HEAVY SILT BUILD-UP IN
PLACES.

- SURFACE & GROUNDWATER
SOURCE

- MAY BECOME PARTIALLY
DRIED UP DURING EXTENDED
DRY PERIODS

- WATER TEMP. MILD - WARM
W CHANNEL TRAU MAINstem

- HAS GOOD WOODEN STRUCTURE
W EXCAVATED AREA

- LIGHT BROWN ALGAE GROWTH
IN PLACES