

SITE INFORMATION

Site Identifier : SA4RB1 **Landowner Type :** State
Site Name : Susauk Channel **Landowner Name :** DNR
WRIA : 03.0673X **Address :**
Region : NS **Address2 :**
Trib to : Sauk R **City :**
River Mile : 12.30 **State :**
River System : Sauk R **Zipcode :**
Legal Description : SW1/4S17T33NR10E **Phone :**
County : Skagit
Habitat Type : overflow channel

Coordinates	
East: 1,745,385.52	North: 1,099,938.52

Directions :

This site is located on the right bank of the Sauk River just above the highway 530 bridge.

Area Overview :

Site is a flood prone overflow channel with good flow, good cover and large numbers of rearing juvenile coho.

Field Survey Information

Date : 2/26/91 **Observer :** Harvester **Survey Type :** initial

HABITAT INFORMATION

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

Flow: (Intermittent) (Year-round)

Estimated Flows (cfs): Lower end:1.7
Upper end:0

Water Temperature(C): Lower end:7
Upper end:7

Receiving Water Temperature (C): 4

Other Observations:

Site Area Measurements: (Indirect) (Direct) (Combination)

Widths: Channel:3.0 **Ponds:** **Wetlands:**
Depths: Channel:0.2 **Ponds:** **Wetlands:**
Total length (includes ponds and wetlands):474

Total existing habitat area (est. m2):1270

Spawning area:	Mainstem: 100	Tribs:	Total: 100
Impounded area:	Mainstem: 767	Tribs:	Total: 767
Other rearing area:	Mainstem: 503	Tribs:	Total: 503
Unaccessible habitat:	Mainstem:	Tribs:	Total:

Spawning habitat conditions: (None) (Poor) (Fair) (Good) (Excellent)

Describe spawning habitat: Some patch gravel exists below 200', but is mostly sand.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat: Site is shallow, low gradient channel with two pools one formed by a low beaver dam. Site has good overhead cover but limited instream cover.

Describe unaccessible habitat:

Wetland type: Bog Marsh Scrub-shrub Forested

Describe:

Flooding potential: Low Medium High

Describe: Site is flooded regularly

FISH INFORMATION

Site entry condition: Poor Fair Good

Describe: Access to the site appears good but access beaver dams may limit access at times.

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

Describe: Juveniles were present in large numbers, redds have been observed.

Other species access and use: Chum Pink Sockeye Chinook Trout

Describe: Trout use is probable.

ENHANCEMENT OPPORTUNITIES; None

Project type:

Equipment access:

ADDITIONAL COMMENTS: Site was once proposed as a possible spawning channel but was ruled out due to the flood danger.

ATTACHMENTS AVAILABLE

Aerials Sketch Maps Spawning Surveys Juvenile Trapping
 Other References

SA+RB1

SITE IDENTIFIER: SA+RB1
LOCAL NAME: SUSAUK CHANNEL

NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

RIVER: Sauk SURVEY DATE: 2-26-91 OBSERVER: PH

WRIA: 03 RIVER MILE/BANK LOCATION: 12.3/RB

LEGAL LOCATION DESCRIPTION: 1/4 SECTION sw SEC.17 T.33n R.10e

CHANNEL TYPE: Lateral flow from suiatle and wallbase flows.
(perennial at low end).

	RIVER	LOW END	UPPER END	OTHER LOCATIONS
WATER TEMP:	45f	45f	39f in sauk	
FLOW (CFS):	1.7cfs			

WATER QUALITY: Good

SUBSTRATE TYPE/SPAWNING GRAVEL ABUNDANCE & CONDITION:
Spawning gravel is present in lower end (200ft) of the channel.
An undetermined amount of spawning gravel would be needed. The
sediment depth in the channel is quite shallow and spawning
gravel may be exposed during excavation.

COVER/LOD: Good picket trees.

SITE DIMENSIONS: LENGTH: 1550-1700ft

 WIDTH-WETTED: 5.9ft

 -CHANNEL:

 DEPTH: 0.7ft

WATER SOURCE: River prec and wallbase springs, along entire RB of
channel.

FISH ACCESS/BLOCKAGES/CURRENT USE (BOTH ADULTS & JUV.):

Beaver dam at 315ft, adult and juveniles below.

LANDOWNER: ?

CHANNEL ENTRANCE CONDITIONS:

Area 30ft Depth 4"

FACTORS LIMITING PRODUCTION: Flooding is moderate, but with low
energy and good picket trees. Flow in channel may be sufficient
to flush sediments deposited from back water, low energy
flooding. Some stranding may occur in the lower end of the
channel. Numerous large prec springs are visible along the RB toe.
Limited rearing currently exist in this channel.
(3ft x 600ft = 1800ft) spawning in this channel is limited to the
lower 200ft in the sauk flood plane.

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NORTH SOUND OFF CHANNEL SITE INVENTORY DATA

UP-OUTMIGRANT TRAPPING CAPABILITY/OPPORTUNITY/DIFFICULTIES:

BEAVER ACTIVITY:Old, No new cuttings observed.

HEAVY EQUIPMENT ACCESS:Very good, access road exists on the RB of the sauk river just above the hwy 530 bridge.

DIRECTIONS TO SITE:This site is located on the RB of the sauk river just above *the Highway 530 Bridge*

ENHANCEMENT OPPORTUNITIES AND COMMENT:

This channel could be excavated for 1500ft to 1700ft to provide both spawning and rearing for coho. This channel has characteristics which create a paradox problem found through out the basin. The channel receives moderate flooding during major flood events, but it also has an excellent water source which appears to remain stable(or at least sufficient) during summer months. Flooding is limited to mainly low energy. Back water flooding and a 6-7ft berm with picket trees exist between the channel and the sauk river. I think the length of this channel should be limited to a maximum of 1700ft other wise flooding could occur from the suiatle river at the upper end of the channel.

2-26-91

7.5 MINUTE SERIES (TOPOGRAPHIC)

1680 1 NE (ROCKPORT) 606 607 32'30" 1830 000 FEET 610 17



