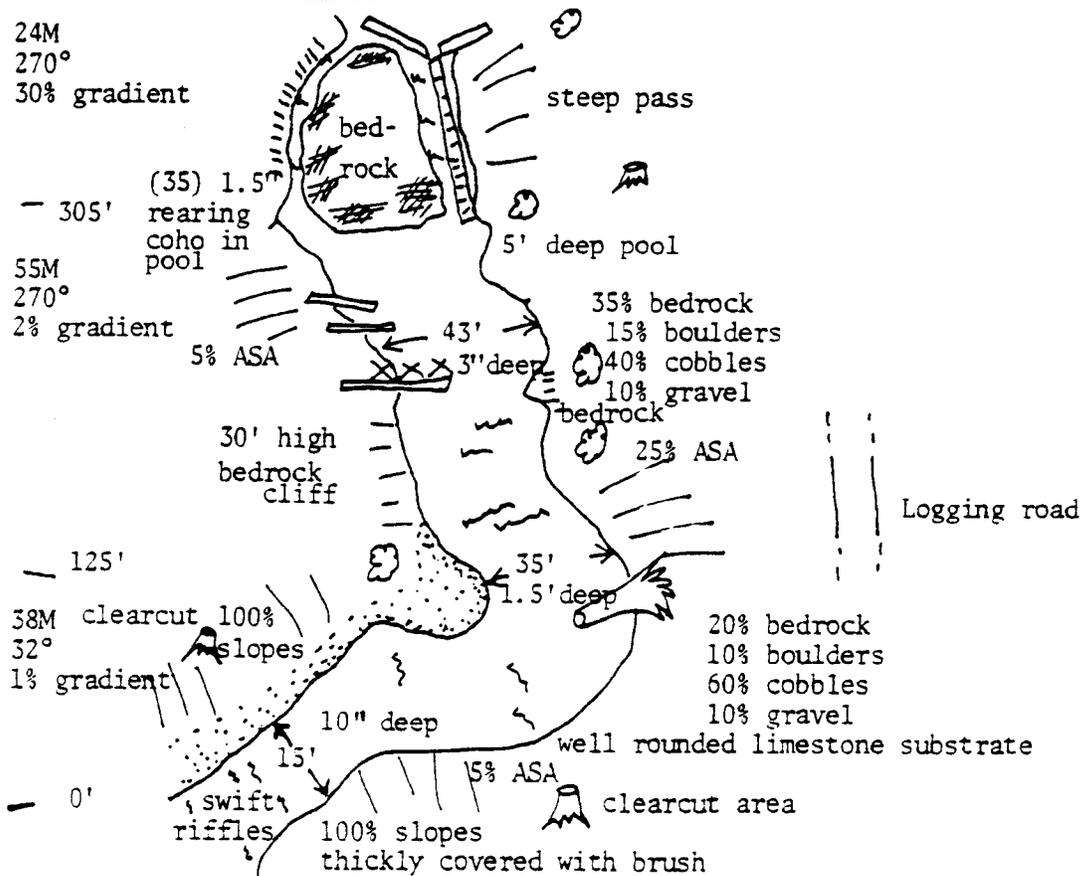


103-90-1051C

Survey Creek
(at steep pass) Part I
103-90-51
8/19/78

- 1030' -----
30' bedrock banks
bedrock substrate
46M 6' falls
9° narrows to 12'
6% gradient 4' falls
0%ASA
- 880' -----
30' high bedrock banks
bedrock and cobble substrate
49M average 20' wide, 2' deep
345° no fry observed
1% gradient 0% ASA
- 720' -----
very steep bedrock banks
7' verticle falls
55M 6' deep pool 40' wide
16° average width 35' no fry observed
.5% gradient average depth 2' 0% ASA
- 540' -----
bedrock and cobble substrate no fry observed
47M 4' deep pool 0% ASA
280°
1% gradient 40' wide, 8' deep
-385'

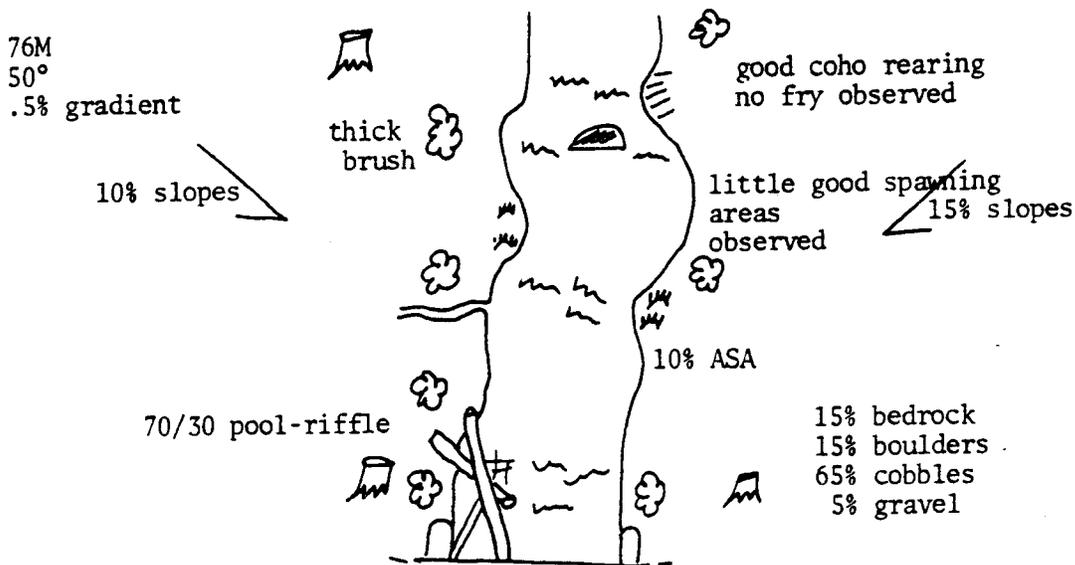


Survey Creek
 (at steep pass)
 Part 2
 8/19/78

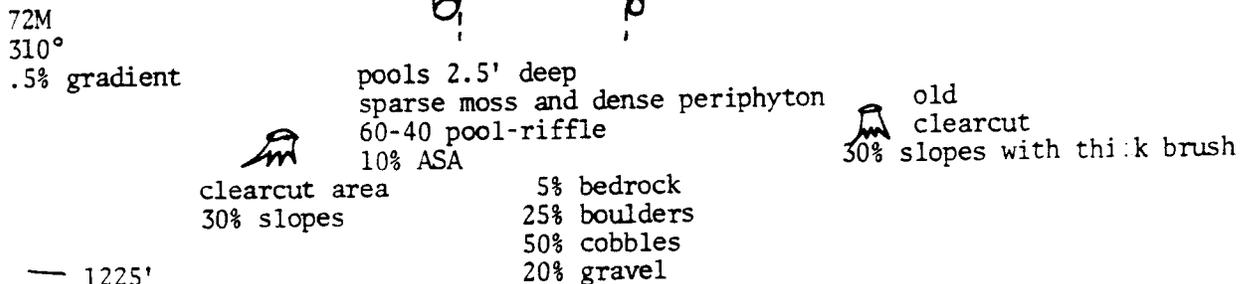
Spawning area: poor spawning facilities observed in this section.
 163 meters² available (500' X 35' X 10% ASA)

Poor rearing potential for coho in most of section. Good rearing areas in upper survey area. Rearing coho observed below steep pass; none observed above. (1) 1.5" trout observed above steep pass.

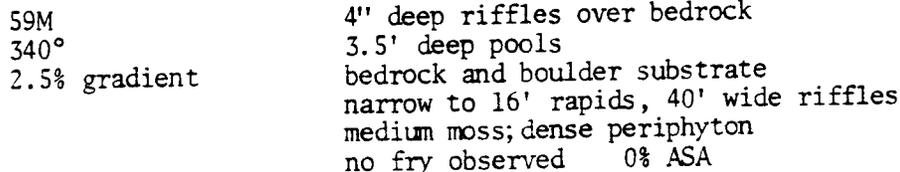
— 1710'



— 1460'



— 1225'



— 1030'

103-90-51
 Survey Creek
 8/19/78
 Berg

Weather: clear
 Tide: low
 Water: dark brown, clear
 8.5 pH

1005'
 (305m)

77.3m
 320°
 2%

750'
 (227m)

227.3m
 345°
 1.5%

0'

Rounded and smooth: 40% bedrock
 40% boulders
 20% large cobbles (3-6")

flattened grass shows
 evidence of flood stages

extensive flood plain

25% slope

boulders covered with green algae

densely vegetated banks of
 devilsclub, elderberry and salmonberry

well shaded area

spruce and hemlock forest

negligible intertidal
 zone spawning

excellent holding pools at
 mouth and above riffles in
 this section

9 Canadian geese and 1 bald
 eagle observed at mouth

bedrock bottom

13' riffles 40% slope

25' riffles
 10/90 pool/riffle 0% USA

vertical bank

35' x 3' deep pool

vertical bedrock banks
 covered with green
 filamentous and brown
 algae

excellent holding pool

devilsclub, blueberry
 and alder

40' wide riffle area

beach substrate covered
 with fucus algae Craig D-6

KOSCIUSKO ISLAND

103-90-51

Survey Cove

Negligible intertidal zone spawning, but excellent holding and rearing areas were found throughout intertidal zone.

1569'
(475m)

dense vegetation to wetted areas

35' x 3' deep pool

moss covered substrate

3' falls; no barrier to salmon

86.4m
342°
3%

second growth spruce and hemlock excellent rearing habitat

30' channel width
60' flood plain

6' deep
30' wide pool

0% ASA 10/90 pool/riffle debris slide down barren slope

1284'
(389m)

several unidentified trout seen surfacing in pools

water too dark and deep to observe any salmon fry

25% slope

2' falls over bedrock

25°
3%

25' cascade over boulder

High Tide

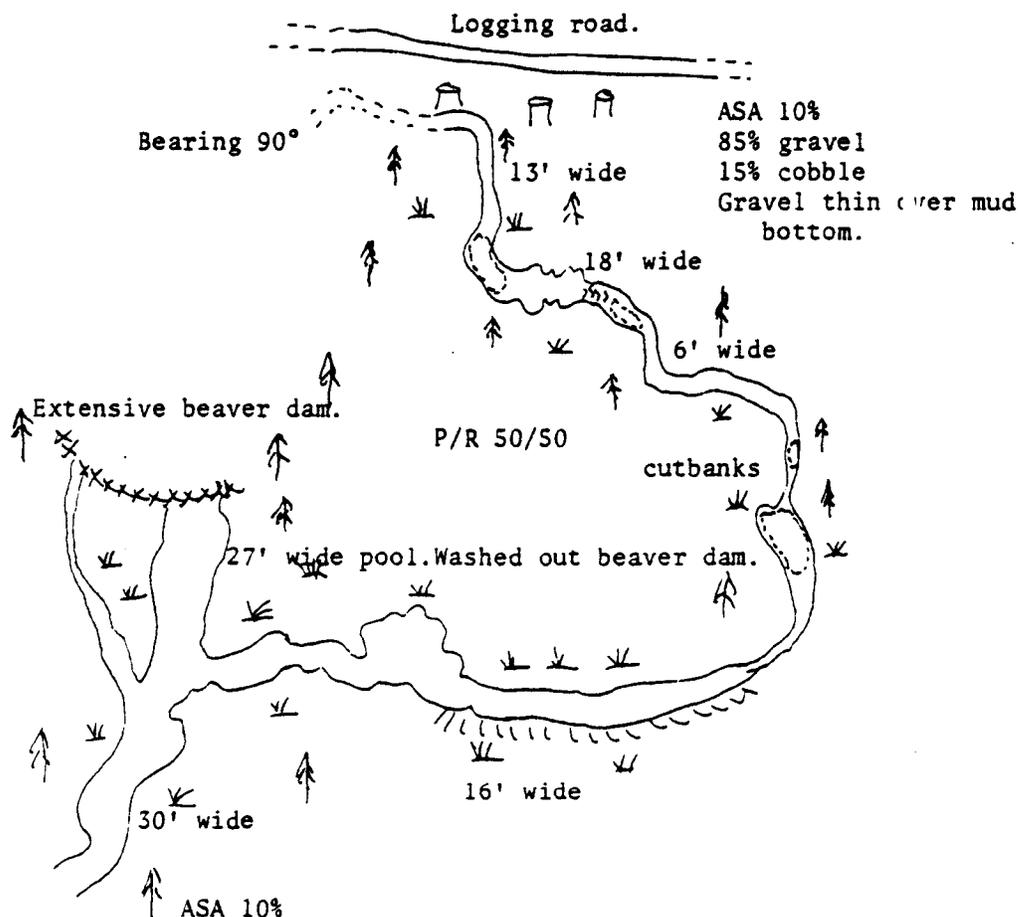
15' wide cascade over logs and boulders

bear sign abundant along banks

1005'
(305m)

103-90-51
 Survey Creek
 Edgington
 8/19/78

Upstream section sample three miles
 by stream.



ASA 10%
 85% gravel
 15% cobble
 Gravel thin over mud
 bottom.

ASA 10%
 50% cobble
 50% gravel

Weather: clear
 Water: clear
 Air temp: 52°F
 Water temp: 45°F
 Flow: 1.5 cfs
 Gradient: 0.5%
 Length of stream section: 575'
 ASA: 10%
 Average depth: 1.5'
 P/R: 90/10
 Average width: 18'
 ASA = 93 M² for this section.

No fish observed in this section.

103-90-10510

Name: Survey Creek
Latitude: 55°55'35" 40"
Longitude: 133°43'38" 33"
Geodetic Map No: Craig D-6
Location: Survey Creek and its tributaries and lakes, head of Survey Cove, Southwest Kosciusko Island.
Catalog No: 103-90-51
Former Stream No: ADF No. 151
Work Area: Ketchikan
Watershed Length: 7.0 miles
Drainage Area: 7.5 miles
Water Supply Type: Runoff through low forested area.

Trails & Survey Routes: Stream can be accessed by road from Cape Pole or by walking the streambed at normal water levels.

Aerial Survey Notes: Much of the stream is visible from the air. Good visibility at the mouth and in the intertidal area.

Anchorage: Near the stream mouth.

Tide Stage when Surveyed: Low.

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area):
Pink, chum, and coho salmon. Good rearing for coho above the falls; fair rearing below. Peak escapement: 6,890 pinks, 9/11/74.
SPAWNING AREA: 3,564 meters² below the falls; 9,446 meters² above the falls.

Schooling Areas: In several deep pools in the intertidal area and throughout the length of the stream including a pool below the first falls.

Spawning Areas: Negligible spawning intertidally; remainder distributed throughout the accessible stream length.

SHELLFISH POTENTIAL: Low.

SPORT FISHERIES: Dolly Varden present, other species unknown.

LAND USE (history, present, proposed): Area has been extensively logged. A steep pass was installed in the first falls, but no evidence exists that it ever passed a fish.

REHABILITATION POTENTIAL: A significant amount of spawning and rearing area exists above the falls, but the steep pass would need to be modified and possibly the next two falls.

SOILS: Mostly a limestone substrate, generally stable although much of the stream has high steep banks.

GAME RESOURCES (species, use, habitat): Geese are observed at the mouth of the stream in almost every survey.

Note: Stream flow estimate 4/5/74 - 100cfs
Air - 43°
Water 41°

PEAK ESCAPEMENT RECORD

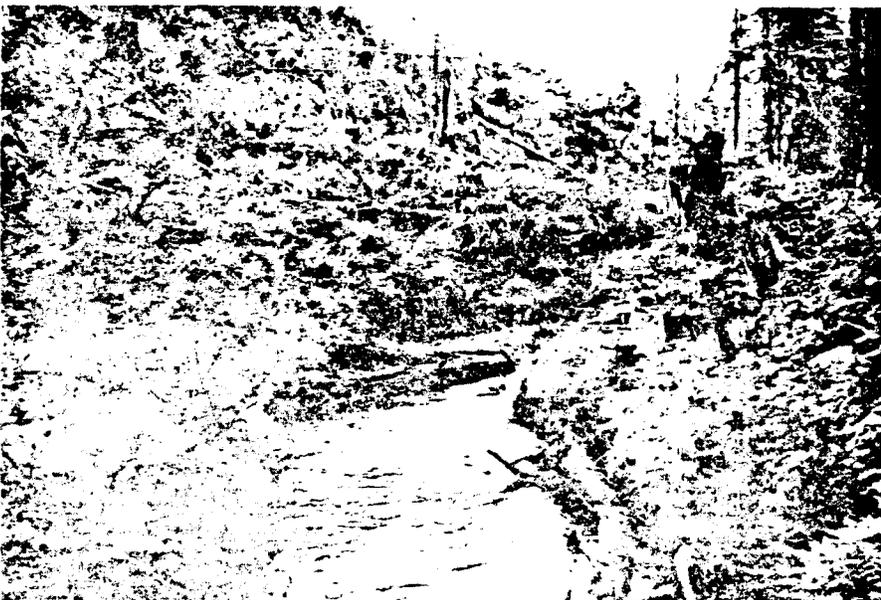
103-90-51

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
1960 through 1961				No survey.
8/13/62	1,000			
9/16/63	4			
1964				No survey.
1965	None seen			
1966 through 1972				No survey.
1973	None seen			
9/11/74	6,890		coho observed - no count	(foot survey)
1975	None seen			
1976				No survey.
8/24/77	100			



103-90-053

Mouth and ITZ



103-90-053

Upstream