

102-40-47
So. Arm, Cholmondeley
10-5-73

102-40-10470

Not much potential on the forks -
but could be utilized a little.

Continues steeply
Continues steeply

1/2 mile above
I.T. - stopped
here. 50%
usable spawning
area between
Station #2 and
where we stopped.

Gradient steeper - stream smaller. Still
has good gravel.

- 2 -

Stream banks stable
- no soils pro-
blem.

Braided area

25 live chum

1' falls over log - No fish or evidence
of any fish was seen above this log --
no barrier.

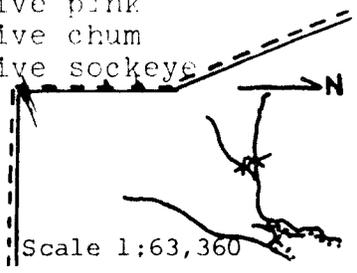
Excellent gravel to here.
90% usable spawning area.

Braided area
lots of brush
and windfalls.

87 live pink
140 live chum

Excellent I.T. gravel,
apparently a large number of fish
here as there are several hundred
carcasses on the flats.

80 live pink
32 live chum
1 live sockeye



Name _____ Catalog No. 102-40-10470
 Latitude N 55° 07' 52" 55" WR No. 102-40-47
 Longitude W 132° 21' 28" 14" K No. 151
 Geodetic Map No. Craig A-2 Work Area Ketchikan
 Location Cholmondeley - South Arm Watershed Length _____
 Drainage Area of Watershed _____
 Water Supply Type Precipitation - runoff and probably springs. Snowfield lies in S.E. corner of the valley.
 Trails & Survey Routes No trails - travel is easy along the stream bed.

Aerial Survey Notes It would be difficult to survey any but the intertidal area due to the overstory along the stream.
 Anchorage Off the mouth of Dissappearance Creek, or south of small island lying between Dissappearance and this stream.
 Tide Stage When Surveyed 1/3 tide and flooding.

FISHERY RESOURCES

Commercial Fisheries pink and chum (also saw 1 sockeye)

Escapement 80,000 pink and 20,000 chum 10-3-47 : 50,000 chum 10-1-59
 Available spawning area - 1,756 M²

Species Composition Predominantly pink salmon in the earlier years but has now switched to produce more chum than pink salmon.

Timing Late.

Schooling areas Off the mouth and a couple of holes in the intertidal area.

Shellfish Potential Not much being limited to a few clams in the intertidal area.

Sport Fisheries None

Land Use at Present None

History of Land Use None

Rehabilitation Potential None. Very good stream with very good gravel. No barriers to the upper limits of good spawning area.

Soils Slight gradient with good timber along portions of the stream and stable stream banks.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	<u>many old</u>
	Number of droppings	<u>some</u>
Geese -----	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Mallards ---	Number seen on tide flats	<u>0</u>
	Number seen up creek	<u>0</u>
	Number of broods seen	<u>0</u>
Vergansers -	Number of broods seen	<u>0</u>
Bald Eagles-	Number seen along creek	<u>0</u>
	Number of nests seen and location	<u>0</u>
Seals -----	Number seen at mouth of stream	<u>2</u>
Tide flats -	Estimate length along beach	<u>100 yards</u>
	Estimate depth out from beach	<u>20 yards</u>
	Eel grass present on what percent of flats	<u>-</u>

PEAK ESCAPEMENT RECORD

NAME: Cholmondeley Sound, South Arm, S.W. head

STREAM CATALOG NUMBER: 102-40-47

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Sept. 20, 1939				Poor. Few hundred in stream. Pink schooled in bay.
Oct. 3, 1941	12,000	3,000		Excellent (G)
Sept. 23, 1942	200	2,300		Excellent. 3,000 fish off mouth (G)
Sept. 30, 1943	10,000	5,000		Fair. 1,000 fish off mouth (G)
Oct. 5, 1946	2,500			Good. 1,000 fish off mouth (G)
Oct. 3, 1947	80,000	20,000		Good. 10,000 fish off mouth (G)
Sept. 29, 1948	2,000	3,000		Good. 1,500 fish off mouth (G)
Oct. 8, 1949	1,000	1,000		No fish off mouth (G)
Sept. 20, 1952	0	100		200 chum at mouth (G)
Sept. 18, 1953		1,500		Stream 3-6" above normal. Dead predator kills (G)
Sept. 4, 1954				Stream low (A)
Oct. 1, 1959		50,000		(G)
Sept. 6, 1960				None at mouth (A)
Sept. 16, 1971	1,100	80		300 fish intertidally. Vis. good (F)
Oct. 11, 1972	170	85		400 dead pink, 400 dead chum (F)
Aug. 19, 1973	2,000			15,000 fish intertidally. Vis. good. (H)
Sept. 5, 1974	2,500			Vis. poor (A)