

Cutthroat Creek
102-70-58
6-26-74
Novak

An excellent coho rearing stream
with potential for heavy sockeye
spawning and rearing in the lake.

Recreational potential is excellent
with high aesthetic values.

1/2 mile above Lake X
all excellent for
fisheries.

--2 coho fry seen

Pool - 3-4' deep

-Trap #4

Soils stable, gravel
bottom throughout the
surveyed section.

--Seined 16 coho fry
from pool

75% riffle
25% pools

--Trap #3

SPRUCE

SPRUCE

--Trap #2

Pools - 3-4' deep
less than width of
stream.

Excellent riffle areas.
8-10" deep
40' wide
80% ASA

--Trap #1

-Excellent coho
rearing tributary.

--Coho fry sighted

Sockeye salmon re-
mains found here X
from bear.

Cutthroat
Dolly Varden
sample here.

Valley walls close to Lake.

C U T T H R O A T L A K E

Name North Thorne River Catalog No. 102-70-58
 Latitude 55° 42' 01" WR No. 149
 Longitude 132° 41' 15" K No. -
 Geodetic Map No. Craig C-3 & D-3 Work Area Ketchikan - Thorne Bay
 Location Prince of Wales Island Watershed Length 18 miles, both forks
 Drainage Area of Watershed _____
 Water Supply Type Muskeg lakes, springs and runoff

Trails & Survey Routes Extremely hard to survey due to heavy undergrowth and deep water. A long system - survey with helicopter.
 Aerial Survey Notes Difficult to survey due to dark water coloration. Best during low water conditions on clear days about noon.
 Anchorage NONE - this is a tributary to Thorne River.

Tide Stage When Surveyed N/A

FISHERY RESOURCES

Commercial Fisheries Coho, pink, chum, sockeye. All species observed except King salmon.

Escapement Opt. esc. 106,000 Historic: sockeye 118 (1972), coho 259(1972), Refer to Thorne River section. Available spawning area - 53,000 M²

Species Composition Coho - 90%, Sockeye - 6%, chum 3%, pinks - 1%.

Timing Late, Aug-Sept. pinks, July-Aug reds, Sept-Oct chums.

Schooling areas School below falls especially on the west fork. Red salmon also school in Snakey Lakes.

Shellfish Potential None - freshwater mollusks found throughout the system.

Sport Fisheries Steelhead, cutthroat, Dolly Varden and excellent coho plus all salmon species. An excellent sport fishery present.

Land Use at Present Logging is occurring on the east side of the watershed. Roadwork is being completed as needed.

History of Land Use Limited logging on lower end of watershed area.

Rehabilitation Potential None necessary as coho and Dolly Varden seen above all the falls.

Soils Unstable in the upper areas of both forks. Land slide tracks and V-notch areas numerous.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate many at falls	
	Number of droppings	<u>numerous</u>
Geese -----	Number seen on tide flats	<u>-</u>
	Number seen up creek	<u>Geese have been seen on Snakey Lakes.</u>
	Number of broods seen	<u>2</u>
Mallards ---	Number seen on tide flats	<u>-</u>
	Number seen up creek	<u>-</u>
	Number of broods seen	<u>-</u>
Mergansers -	Number of broods seen	<u>-</u>
Bald Eagles-	Number seen along creek	<u>3</u>
	Number of nests seen and location	<u>Two at mouth of creek.</u>
Seals -----	Number seen at mouth of stream	<u>-</u>
Tide flats -	Estimate length along beach	<u>-</u>
	Estimate depth out from beach	<u>-</u>
	Eel grass present on what percent of flats	<u>-</u>



PEAK ESCAPEMENT RECORD

NAME: Thorne River

STREAM CATALOG NUMBER: 102-70-58

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
Aug. 24, 1962				Fish present for four miles (A)
Aug. 31, 1964				30-40,000 in stream, present length of stream (A)
Aug. 16, 1965	10,000 ⁺		Some coho	Good show of salmon at mouth. Stream low, fish in holes. 25 reds present on July 20, 1965 (F)
Aug. 23, 1966	93,000			5,000 fish intertidally. Vis. good (A)
Aug. 28, 1967	300		20 coho	Vis. poor. Stream dark, pinks largely spawning (H)
Aug. 14, 1968	500			18-28,000 fish intertidally and in mouth, 12 balls of fish. Vis. good. Fish in lower stream. (A)
Aug. 26, 1970	----14,000 ⁺ ----			Fair show of jumps at mouth Vis. fair to poor (A)
Aug. 31, 1971	16,000 ⁺			More fish present in deep holes, but no count possible. Vis. poor. (H)
Sept. 5, 1972	39,100			Vis. poor. Many dead. 3,000 (H)
Aug. 29, 1973		N.O.		Too dark to survey. Vis. poor (A)
Sept. 11, 1974		----19,300----		Many carcasses, spawning activity (A)

102-70-10580

Name Thorne River Catalog No. 102-70-58
 Latitude N 55° 41.8' 50" WR No. 149
 Longitude W 132° 54.3' 35" 27" K No. 184
 Geodetic Map No. Craig D-3, C-3, C Work Area Ketchikan, Thorne Bay
 Location Pr. of Wales - Thorne Bay Watershed Length 14 miles
 Drainage Area of Watershed 210 sq. miles (polar planimeter)
 Water Supply Type Lake system with many tributaries supply water to the system. Precipitation & snowfields.
 Trails & Survey Routes Skiff may be used at high tide to survey 3 miles of I.T.Z. Trails (bear) along both stream banks. Hard to survey on ground.
 Aerial Survey Notes Muskeg colored waters make visibility poor during most times of the year. Low water & sunshine day only possibility.
 Anchorage Available about 2 miles from the head of the bay. Floats may be available at the logging camp.
 Tide Stage When Surveyed Ebb tide.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho, red. King salmon have been rumored to use this system (undocumented).
 Escapement High history 98,000 - 1966. Average Esc. 1960-1974 - 23,000.
Available spawning area - 309,022 M²
 Species Composition Unknown but pink most numerous followed by chum and coho.
 Timing Late - September, October (pink - chum), July - sockeye.
 Schooling areas ITZ schooling in area off deep water in bay. Upstream schooling in the many pools found throughout the system.
 Shellfish Potential Non-productive as research has indicated from F.R.I. investigations.
 Sport Fisheries Excellent cutthroat, Dolly Varden, steelhead, coho, sockeye, pink, chum fisheries present. Road access from Craig - Hollis.
 Land Use at Present Logging along lower end of watershed. Road parallels system for several miles.
 History of Land Use Trapping cabins were established along entire route, mineral exploration during early years with logging developments in 1950's.
 Rehabilitation Potential None necessary at the present time. The upper falls below Thorne Lake may warrant further study.
 Soils Stable in most areas but susceptible to erosion with land use infringements.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	numerous
	Number of droppings	numerous
Geese -----	Number seen on tide flats	10
	Number seen up creek	20
	Number of broods seen	1
Mallards ---	Number seen on tide flats	10
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	4
Pald Eagles-	Number seen along creek	7
	Number of nests seen and location	refer to map
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	3 miles
	Estimate depth out from beach	20' - 150'
	Eel grass present on what percent of flats	0

* Also see Thorne River Logging Files (102-70-10580)