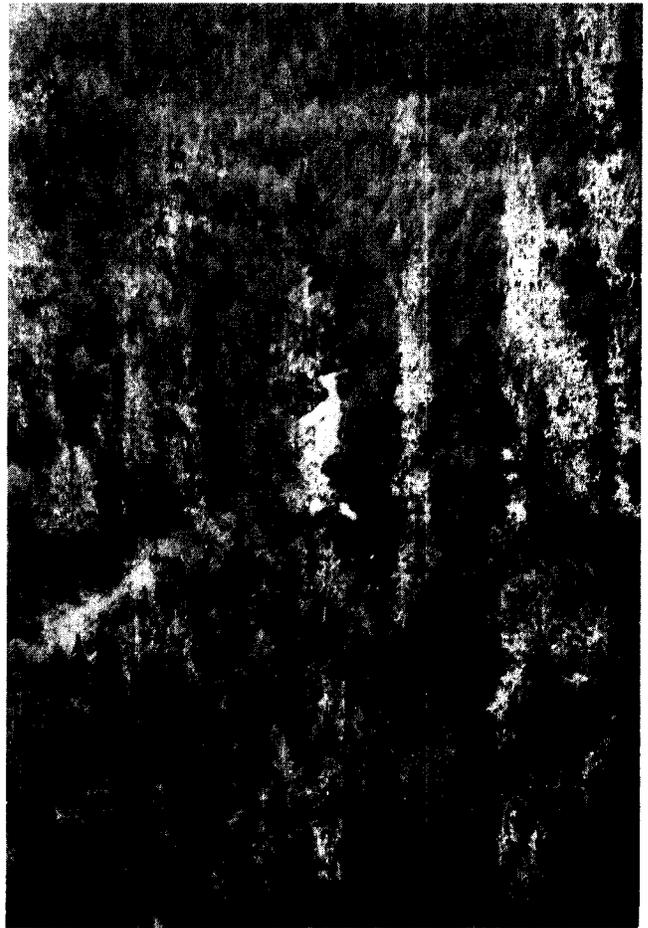




WILLARD RIVER FALLS

101-11-65

101-11-10650



WILLARD CREEK FALLS
BARRIER - SO. FORK

Name Willard Creek Catalog No. 101-11-65
 Latitude N 54° 58' 17" WR No. 6 and 6A
 Longitude W 132° 35' 44" K No. 11
 Geodetic Map No. Pr. Rupert D-2 Work Area Ketchikan
 Location Willard Inlet - Head Watershed Length 6.75 miles
 Drainage Area of Watershed 11.3 sq. miles (polar planimeter)
 Water Supply Type Lakes at head of left fork and tributary to right fork. Supple-
mented by precipitation and ground water.
 Trails & Survey Routes Easy walking along stream banks and numerous gravel bars
found in the intertidal zone of the stream.
 Aerial Survey Notes Easy observation of the ITZ and south fork. The north fork has
areas partially covered from streamside vegetation.
 Anchorage Marked on map. Reported anchorage at delta dropoff in 9-15 fathoms.
 Tide Stage When Surveyed Ebb tide.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho, red salmonids.
 Escapement High historic - pink 20,000 (1928) chum 6000 (1928) red 6900 (1928) coho 100
(1928) Ave. Peak Esc. (1961-1974) 1,870. Spawning area = 21,364 m².
 Species Composition 90% pink, 2% red, 5% coho, 3% chum
 Timing Late - September.
 Schooling areas Two pools (shallow) located below the forks. Schooling off the
intertidal delta on both sides of the creek mouth.
 Shellfish Potential Unsampled. Potential for excellent dungeness crab at the head
of the inlet.
 Sport Fisheries Coho, chum, pink, red salmonids. Dolly Varden, cutthroat and
possibly steelhead.
 Land Use at Present None
 History of Land Use Handlogging is the only activity known about at this time.
 Rehabilitation Potential None. The falls barrier is a major obstacle that would
be impossible to feasibly alter for fish migrations.
 Soils Stable in the lower reaches of the stream.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	-
	Number of droppings	-
Geese -----	Number seen on tide flats	-
	Number seen up creek	-
	Number of broods seen	-
Mallards ---	Number seen on tide flats	-
	Number seen up creek	-
	Number of broods seen	-
Mergansers -	Number of broods seen	-
Bald Eagles-	Number seen along creek	-
	Number of nests seen and location	-
Seals -----	Number seen at mouth of stream	1/2 mile
Tide flats -	Estimate length along beach	150 yds.
	Estimate depth out from beach	5%
	Eel grass present on what percent of flats	-

PEAK ESCAPEMENT RECORD

NAME: WILLARD CREEK

STREAM CATALOG NUMBER: 101-11-65

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-19-27	200	100		
8-15-28	20,000	6,000	100 coho, 3900 red	
9-13-30	15,000			Good.
9-25-40	7,000			Poor.
9-9-41	5,000			Fair. 2000 left fork.
9-27-42	10,000	1,000		Good.
10-2-46				Good. 7-8,000 fish. Mainly dead.
9-26-47				Poor.
9-2-48	20	500		Poor.
9-1-49	2,500	200		
8-13-53	500			Red tide in inlet. Pink @ forks.
9-16-54				None seen in stream or off mouth.
Season 1955	1,000			All the stream surveyed.
9-8-56	30	193		
9-8-57	>200			Some dead pink, none observed at mouth or inlet.
8-29-60				Visibility good. None observed.
8-23-61	1,500			All schooled.
8-28-62	3,200			Good visibility.
8-14-63	5,700			Visibility fair.
9-4-64	2,700	2,800		Visibility fair. 100 @ I.T. Pinks schooled, chums spawning.
8-10-65				200 @ mouth. 150 @ I.T. Visibility good.
9-12-66				Few Carcasses - good visibility. low stream.
8-15-67	40			50 @ mouth. Visibility good.