

PEAK ESCAPEMENT RECORD

Helm Creek  
101-90-84

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9-5-47	75			
9-14-53	183			
7-21-56			5000 red	Some chum 7-11
8-25-60				50 at mouth. None in stream.
8-9-71				4000 @ mouth & I.T.
8-7-72	1,400+			Visibility poor.
8-15-73	500			500 I.T. Visibility good
8-12-74				1500 - 2000 salmon I.T. 6 schools
8-2-75				1 jump, 2 small schools = 500? at mouth. Visibility fair.

Name Helm Lake Stream Catalog No. 101-90-84  
 Latitude N 55° 39' 04" 01 WR No. 55 101-90-10840  
 Longitude W 131° 58' 09" 05 K No. 58  
 Geodetic Map No. Ketchikan C-6 Work Area Ketchikan  
 Location Helm Bay Watershed Length 2.7 miles  
 Drainage Area of Watershed 8 sq. miles (polar planimeter)  
 Water Supply Type Helm Lake, supplemented by ground water.

Trails & Survey Routes Walk up stream bed as this is the easiest survey route.

Aerial Survey Notes Poor visibility due to canopy effect.

Anchorage Anchor in head of Helm Bay or at Forest Service float at Forss Island

Tide Stage When Surveyed High slack to 1st half of ebb.

FISHERY RESOURCES

Commercial Fisheries Pink, chum, coho and red salmon

Escapement High historic - red (1956) 5000, chum - no record, pink 4000 (1971).

Ave. Esc. 1961-74 400 (mixed). Spawning area: 4003 m<sup>2</sup> (8448'x17'x30% ASA)

Species Composition coho 90%, pink 5%, reds 4%, chum 1%.

Timing Late - September, October.

Schooling areas At ITZ near the upper limits.

Shellfish Potential Poor at mouth due to poor substrate composition. Possible dungeness crab on flats.

Sport Fisheries Coho, Dolly Varden, possible steelhead. Halibut off flats of stream in 30 fathoms. Excellent cutthroat & rainbow.

Land Use at Present None in immediate area. May be developed as mining site in future.

History of Land Use Hand logged and mined in earlier years. Extensive hand logging along entire stream.

Rehabilitation Potential Heavy windfall has created blocks along entire stream and may have to be removed to retain fish passage.

Soils Stable soil conditions, gentle sloping banks away from creek.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	1
	Number of droppings	4
Geese -----	Number seen on tide flats	2
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	0
Bald Eagles--	Number seen along creek	1
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	0
Tide flats -	Estimate length along beach	0
	Estimate depth out from beach	0
	Eel grass present on what percent of flats	0