

ALASKA DEPARTMENT OF FISH AND GAME  
DIVISION OF SPORT FISH  
STREAM SURVEY SUMMARY

102-60-087

STREAM McGILVERY CREEK

LOC. Prince of Wales Island

MAP REF. Craig C-3 LAT. 55°34' N LONG. 132°42' W  
TRIBUTARY TO Salmon Lake MAIN DRAINAGE Karta River  
ORIGIN Mtns. SW of Salmon Lake LENGTH 2.2 mi WATERSHED AREA \_\_\_\_\_

1. FLOW RANGE \_\_\_\_\_ cfs VELOCITY rapid AVG. WIDTH 65 ft. AVG. DEPTH 14 in.  
FLOOD HEIGHT \_\_\_\_\_ COLOR/TURBIDITY lt. yellow brown/clear

2. ACCESSIBILITY By plane to Salmon Lake. A USFS cabin at mouth of McGilvery Creek.

3. ACCESS STATUS South Tongass National Forest

4. SECTION SURVEYED Lower 2 miles.

TRIBUTARIES A small muskeg tributary enters on N. bank 1/2 mile upstream = 4' wide, 2" deep one mile up a small creek enters on S bank - 10' wide, 3" deep.

5. BOTTOM TYPE Gravel 80%, sand 20%, becoming coarse upstream to 10% rubble 1 1/2 mile up. STREAM GRADIENT \_\_\_\_\_ %

6. POOLS - DESCRIPTION & FREQUENCY Pool frequency less than 25%. Lower 1/4 mile is slow moving 3 ft. deep above deadfalls across stream often form small pools, a few 4 ft. deep. Several nice 12-15" trout and dollies were seen in these pools.

7. BARRIERS None in section surveyed.

8. SPAWING AREA Excellent. 3/4 of streambed appears suitable. Several hundred spawning sockeye seen.

9. BANK COVER Partially shaded by salmonberry, red alder, elderberry, spruce, hemlock.

10. WATERSHED TYPE Spruce-hemlock coastal forest. Flat <sup>open</sup> U-shaped valley rising to hills and mtns. at head. Muskeg is common in areas. Semi-open canopy of

11. FISH SPECIES spruce hemlock, thick understory of elderberry, vaccinium, devils club salmonberry.

12. FISHING HISTORY Sockeye, pink, silver salmon, cutthroat, Dolly Varden, sculpin.

13. FISHING INTENSITY Light.

14. INVERTEBRATES Surber sample.  
ABUNDANCE \_\_\_\_\_

15. AQUATIC VEGETATION Mosses sparse - sample.

16. WATER USE None.

17. POLLUTION In late fall many dying salmon give off bad stench.

18. REMARKS Water was quite high while we were there. Completely surrounded the cabin with 2 ft. of water. The brush is very thick; bear trails (saw 5 bears) and gravel bars make walking somewhat easier. Much of the stream can be waded, but there are many scour basins in the stream that cannot be waded.

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SUPPLEMENTAL DATA

NAME McGILVERY CREEK

LOCATION Prince of Wales Is.

Air 6.0°C  
Water 7.0°C  
Sky clear  
pH 6.5  
DO 12 mg/l  
CO<sub>2</sub> 5 mg/l

Tot. hardness 17.1 mg/l CaCO<sub>3</sub>

Tot. alkalinity 20.5 mg/l CaCO<sub>3</sub>

MINNOW TRAPS 10 trap hours

<u>CT</u>	<u>SS</u>	<u>Cottids</u>	<u>Cottus asper</u>
8.8 cm	7.4	8.9	8.6
	7.9	9.0	11.5
	7.8	8.6	9.8
	8.0	9.8	8.9
	12.0	10.2	
	8.7	10.3	
	9.6	10.9	
		11.3	
		10.6	
		10.0	

BY Short-Behr

DATE September 12, 1973