FORM I

LAKE SURVEY

Summary Form

Lake identification (name, ID number, bay or fjord receiving drainage) Blue Lake, 113-41-21 Silver Bay, Baranof Island Lake area & elevation

Observers Parker, Sharp

Date Sept. 5, 1979 Weather & lake conditions Fair ; windy with chop

DEPTH: No. of transects None; bathymetric map available No. of major basins 1 No. of sampling sites ("X sites") 1

Maximum depth observed in each basin 143 m

WATER QUALITY:

Temperature profile(s): Time of determination _____ h Air temperature (°C) 16.5+

Depth (m)	Temperature (°C) (at sites $X_1, X_2, \ldots$)	Depth (m)	Temperature (°C) (at sites $X_1, X_2, \ldots$)	Depth (m)	Temperature (°C) (at sites $X_1, X_2, \ldots$)
0	14+	6.5		13.0	12+
0.5		7.0	14+	14.0	11.5 14.5=11+
1.0	14+	7.5		15.0	11 15.5=10+
1.5		8.0	14+	16.0	10+ 16.5=10+
2.0	14+	8.5		17.0	10+
2.5		9.0	14+	18.0	10+
3.0	14+	9.5		19.0	10+
3.5		10.0	14+	20.0	
4.0	14+	10.5	13.5	21.0	
4.5		11.0	12.5+	22.0	
5.0	14+	11.5		23.0	
5.5		12.0	12.5+	24.0	
6.0	14+	12.5	12+	25.0	

Secchi disc: No. of sites sampled 1 Time(s) 1255 h Surface conditions windy, choppy

Depth(s) disc disappeared/reappeared 8.0/7.5 m

Water Chemistry: on-site determination for 3 depths (in order: 1.0 m; below thermocline; and near bottom) at each "X site."

Total hardness (mg/l) _____ Temperature (°C) 16

Alkalinity (mg/l) _____ Conductivity (μmhos/cm) 38

pH (wide range) _____ (narrow range) 6.8 DO (mg/l) _____

Depth & time of samples: 1.0 m, ≈1300 h; below thermocline (m), — h;

near bottom (m), — h

PHYTOPLANKTON: No. of samples 1 Depth(s) 1.0 m Time(s) 1325 h

ZOOPLANKTON: No. of samples 2 Time of collections 1310; 1315 h

Tow depths & elapsed times 50m each @ 65 and 65 secs Tow angle (°) if not vertical

Dominant zooplankters observed Bosmina, Holopedium, copepods