Lat: 56° 22' 14"
Long: 134° 51' 30"
map: Port Alexander B-3

LAKE SURVEY
Summary Form

113-13-10010-0010

Lake identification (name, ID number, bay or fjord receiving drainage) Tumakof Lake, 113-13-01, Redfish Bay, Baranof Island Lake area & elevation

Observers Crone, Parker

Date July 13, 1979 Weather & lake conditions

DEPTH: No. of transects 0 No. of major basins ____ No. of sampling sites ("X sites") 2

Maximum depth observed in each basin 77.5m (two soundings only)

WATER QUALITY:

Temperature profile(s): Time of determination 1950 & 2025 h Air temperature (°C)

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	15.5, 15.5	6.5		13.0	
0.5		7.0		14.0	
1.0		7.5		15.0	
1.5		8.0		16.0	
2.0		8.5		17.0	
2.5		9.0		18.0	
3.0		9.5		19.0	
3.5		10.0		20.0	
4.0		10.5		21.0	
4.5		11.0		22.0	
5.0		11.5		23.0	
5.5		12.0		24.0	
6.0		12.5		25.0	

Secchi disc: No. of sites sampled ____ Time(s) ____ h Surface conditions

Depth(s) disc disappeared/reappeared / 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)

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

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

Depth & time of samples: 1.0 m, ____ h; below thermocline (m), ____ h;

near bottom (m), ____ h

PHYTOPLANKTON: No. of samples 1 @ X_1 Depth(s) 1.0 m Time(s) 2000 h

ZOOPLANKTON: No. of samples 2 Time of collections 1950 h @ X_1; 2025 h @ X_2

Tow depths & elapsed times 50m each over 77.5 & 68m-deep water Tow angle (°) if not vertical

Dominant zooplankters observed many cyclopoid copepods

FISH COLLECTION SUMMARY:

Type and amount of gear	Gear location (e.g.,surface,littoral; middepth,limnetic;bottom, outlet logjam)	Total elapsed time this gear type fished (trap-,net-hrs)	Catch (Number,species,average length)	CPUE* (fish/hr
0	—	—	—	—

*Catch per unit effort

COMMENTS: Phytoplankton sample took a very long time to filter. Finally had to use two filter papers.