ALASKA DEPARTMENT OF FISH AND GAME

DIVISION OF SPORT FISH

WATER Jan Lake

LOCATION

WATER ANALYSIS

DATE	STATION	TIME	SNOW COVER	ICE COVER	SAMPLE DEPTH	TEMPERATURE WATER	TEMPERATURE AIR	DO ppm	CO_2	pH	TOTAL ALKALI	T.H.	REMARKS	BY
3/3/71	#1	1 PM	12"	23"	6'			7.0				Water depth 23'		DP
8/3/72					SURFACE	67°		9.0		8.5	102.6	85.5	PH. TH. ALK. 17.1	
					15'	62°				8.5			SECCHI DISC: 15'	
					20' IN 25'	55°				7.5				
3/8/73		11 AM	12"	24"	5'			6.0	5.0	7.0	68.4	85.5		
					10'			6.0	5.0					
7/11/73					Surface	68°F		10.0		9.0	85.5	85.5		
					5	68								
					10	66								
					15	58		10.0						
					20	51		8.0						
					30	45								
					40	44		0.2						

DEFINE LOCATION OF STATIONS ON REVERSE

2/69
FG-208

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CENTRAL LABORATORY, SALT LAKE CITY, UTAH

WATER QUALITY ANALYSIS
LAB ID # 192031 RECORD # 27525

PROVISIONAL RECORDS
SUBJECT TO [illegible]

SAMPLE LOCATION: JAN LK NR DOT LAKE AK
STATION ID: 633345143545500 LAT.LONG.SEQ.: 633345 1435455 00
DATE OF COLLECTION: BEGIN--750610 END-- TIME--1545
COUNTY CODE: 090 PROJECT IDENTIFICATION: 78
DATA TYPE: 2 SOURCE: LAKE OR RESERVOIR GEOLOGIC UNIT:
COMMENTS:
FIELD VALUE USED FOR PH AND COND TOC SAMPLES LOST BOTTLES F 15

ALK,TOT (AS CACO3)	MG/L	42	NITROGEN TOT ORG N	MG/L	0.65
ALUMINUM TOTAL	UG/L	30	NITROGEN TOTKJD AS N	MG/L	0.67
BICARBONATE	MG/L	51	NO2 + NO3 AS N TOT	MG/L	0.05
IRON TOTAL	UG/L	40	NO2+NO3 AS N DISS	MG/L	0.05
CALCIUM DISS	MG/L	13	PHOS ORTHO DIS AS P	MG/L	0.02
CARBON TOT ORGANIC	MG/L	45	PHOSPHATE DIS ORTHO	MG/L	0.06
CHLORIDE DISS	MG/L	0.9	PHOSPHORUS TOT AS P	MG/L	0.02
COBALT TOTAL	UG/L	50	POTASSIUM DISS	MG/L	2.1
COLOR		15	RESIDUE DIS CALC SUM	MG/L	48
COPPER TOTAL	UG/L	20	RESIDUE DIS TON/ACT		-0.09
FLUORIDE DISS	MG/L	0.1	RESIDUE DIS TON/DAY		-1860
HARDNESS NONCARB	MG/L	0	RESIDUE DIS 180C	MG/L	69
HARDNESS TOTAL	MG/L	41	SAR		0.2
IRON DISSOLVED	UG/L	90	SILICA DISSOLVED	MG/L	0.2
MAGNESIUM DISS	MG/L	2.1	SODIUM DISS	MG/L	2.2
MANGANESE DISSOLVED	UG/L	0	SODIUM PERCENT		10
MOLYBDENUM TOTAL	UG/L	0	SP. CONDUCTANCE LAB		100
NITROGEN NH4 ASN TOT	MG/L	0.02	STREAMFLOW(CFS)-INST		9999
NITROGEN TOT AS N	MG/L	0.72	SULFATE DISS	MG/L	1.4
NITROGEN TOT AS NO3	MG/L	3.2	WATER TEMP (DEG C)		14.4
			ZINC TOTAL	UG/L	10

CATIONS	(MG/L)	(MEQ/L)	ANIONS	(MG/L)	(MEQ/L)
CALCIUM DISS	13	0.649	BICARBONATE	51	0.836
MAGNESIUM DISS	2.1	0.173	CHLORIDE DISS	0.9	0.026
POTASSIUM DISS	2.1	0.054	FLUORIDE DISS	0.1	0.006
SODIUM DISS	2.2	0.096	SULFATE DISS	1.4	0.030
			NO2+NO3 AS N D	0.05	0.004
TOTAL		0.971	TOTAL		0.899

PERCENT DIFFERENCE = 3.83

Jan Lake

Date	Snow Depth	Ice Depth	Sampling Depth	O_2 ppm	PH	Total Alk ppm	Total Hard ppm
3/19/68	10"	25"	Sur	7.0			
			10'	6.0			
			20'	4.5			
3/4/70	12"	25"	3'	5.0			
			10'	6.0			
			15'	5.0			
3/3/71	12"	23"	6'	7.0			
8/3/72					8.5	105	85
3/8/72				6.0	7.0	68.4	85
7/11/73			Sur	10.0	9.0	85.5	85
			20'	8.0			
			40'	0.2			
6/10/75						92	91