ALASKA DEPARTMENT OF FISH AND GAME

DIVISION OF SPORT FISH

WATER ANALYSIS

WATER Tirmore (Short Pine)

LOCATION Kenai C-4
T 7N, R 11W S 8, 17

DATE	STATION	TIME	SNOW COVER	ICE COVER	SAMPLE DEPTH	TEMPERATURE WATER	TEMPERATURE AIR	DO	CO_2	pH	TOTAL ALKALI	REMARKS	BY
3/11/74		1400	12	24"	0	32	34°	13.8			13.7(5')	titration	SH
					15	36		7.9					
					33	37.5		6.4					
3/23/75		1100	12	24	0	32		11.0			51.3	titration	SH
					16	34		9.4					
					33	36		5.9					

DEFINE LOCATION OF STATIONS ON REVERSE

2/69

CENTRAL LABORATORY, SALT LAKE CITY, UTAH

...TER QUALITY ANALYSIS
LAB ID # 155075 RECORD # 18850

SAMPLE LOCATION: TIRMORE (SHORT PINE) LK NR KENAI AK
STATION ID: 604228151141000 LAT.LONG.SEQ.: 604228 1511410 00
DATE OF COLLECTION: BEGIN--750527 END-- TIME--1230
COUNTY CODE: 120 PROJECT IDENTIFICATION: 58
DATA TYPE: 2 SOURCE: LAKE OR RESERVOIR GEOLOGIC UNIT:
COMMENTS:
75FG57 TOC WAS RECEIVED IN ANCH UNCHILLED

PROVISIONAL RECORDS
SUBJECT TO REVISION

ALK.TOT (AS CACO3)	MG/L	13	NITROGEN TOT AS NO3	MG/L	4.3
BICARBONATE	MG/L	16	NITROGEN TOT ORG N	MG/L	0.37
BORON TOTAL	DETR.	DELETED	NITROGEN TOTKJD AS N	MG/L	0.88
CALCIUM DISS	MG/L	3.5	NO2 + NO3 AS N TOT	MG/L	0.08
CARBON TOT ORGANIC	MG/L	2.9	NO2+NO3 AS N DISS	MG/L	0.08
CHLORIDE DISS	MG/L	3.2	~~PH LAB~~		~~6.4~~
COLOR		0	PHOS ORTHO DIS AS P	MG/L	0.01
CONDUCTIVITY		42	PHOSPHATE DIS ORTHO	MG/L	0.03
CONDUCTIVITY LAB		42	PHOSPHORUS TOT AS P	MG/L	0.00
DEPTH(FT.FR.SURFACE)		0.0	POTASSIUM DISS	MG/L	1.1
FLUORIDE DISS	MG/L	0.0	RESIDUE DIS CALC SUM	MG/L	22
HARDNESS NONCARB	MG/L	0	RESIDUE DIS TON/AFT		0.03
HARDNESS TOTAL	MG/L	12	RESIDUE DIS 180C	MG/L	24
IRON DISSOLVED	UG/L	30	SAR		0.3
MAGNESIUM DISS	MG/L	0.8	SILICA DISSOLVED	MG/L	1.0
MANGANESE DISSOLVED	UG/L	30	SODIUM DISS	MG/L	2.7
NITROGEN NH4 ASN TOT	MG/L	0.51	SODIUM PERCENT		30
NITROGEN TOT AS N	MG/L	0.96	SULFATE DISS	MG/L	0.9
			WATER TEMP (DEG C)		4.5

CATIONS	(MG/L)	(MEQ/L)	ANIONS	(MG/L)	(MEQ/L)
CALCIUM DISS	3.5	0.175	BICARBONATE	16	0.263
MAGNESIUM DISS	0.8	0.066	CHLORIDE DISS	3.2	0.091
POTASSIUM DISS	1.1	0.029	FLUORIDE DISS	0.0	0.000
SODIUM DISS	2.7	0.118	SULFATE DISS	0.9	0.019
			NO2+NO3 AS N D	0.08	0.006
TOTAL		0.386	TOTAL		0.377

PERCENT DIFFERENCE = 1.19