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

LAKE Four-Mile Lake

MAP REF. Tanacross B-4 T 18N R 15E S 8, 9 LAT. 63°22'N LONG. 142°34'W

LOC. mi. 5 Taylor Highway, trail to E. SURF. ELEV. 2,050

1. SURF. ACRES 100 MAX. DEPTH 17 ft. AVG. DEPTH _____ ACRE FT. _____
SHOAL AREA 100% WATER COLOR clear SECCHI READING _____
AQUATIC VEGETATION unknown

2. FISH SPECIES: NATIVE barren INTRODUCED SF

3. FISHING HISTORY none

4. INVERTEBRATES amphipods, snail and other invertebrate fauna abundant

5. INLETS one on S. shore DISCHARGE unknown cfs
DISCHARGE _____ cfs
DISCHARGE _____ cfs
BARRIERS unknown

6. OUTLETS none DISCHARGE _____ cfs
DISCHARGE _____ cfs
BARRIERS _____

7. SPAWNING AREAS unknown - but tributary may be suitable

8. WATERSHED TYPE #### hilly DRAINAGE AREA 1800 ACRES

9. ACCESSIBILITY 1/2 mi. trail running E. from Hwy.

10. ACCESS STATUS public presumed

11. USE SITE none FACILITIES none

12. OTHER USE none

13. POLLUTION none

4 mile Lake (Taylor Hwy)

Date	Snow Depth	Ice Depth	Sampling Depth	O_2 ppm
3/20/68	16"	22"	Sur	3.5
			8'	1.0
1/22/69	8"	25"	5'	5.00
			8'	4.50
2/27/70	11"	23"	Sur	6.00
			3	6.00
			7	4.5
			10	2.5

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

WATER QUALITY ANALYSIS
LAB ID # 169306 RECORD # 22768

PROVISIONAL RECORDS
SUBJECT TO REVISION

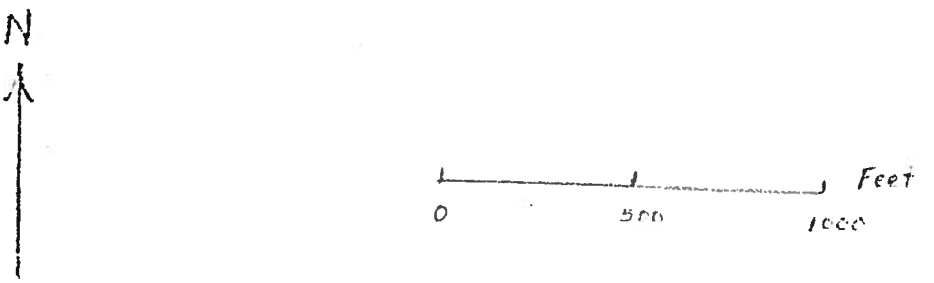
SAMPLE LOCATION: FOUR MILE LK NR TETLIN JUNCTION AK
STATION ID: 632130142341600 LAT.LONG.SEQ.: 632130 1423416 00
DATE OF COLLECTION: BEGIN--750604 END-- TIME--1315
COUNTY CODE: 090 PROJECT IDENTIFICATION: 78
DATA TYPE: 2 SOURCE: LAKE OR RESERVOIR GEOLOGIC UNIT:
COMMENTS:
BOTTLES F 16

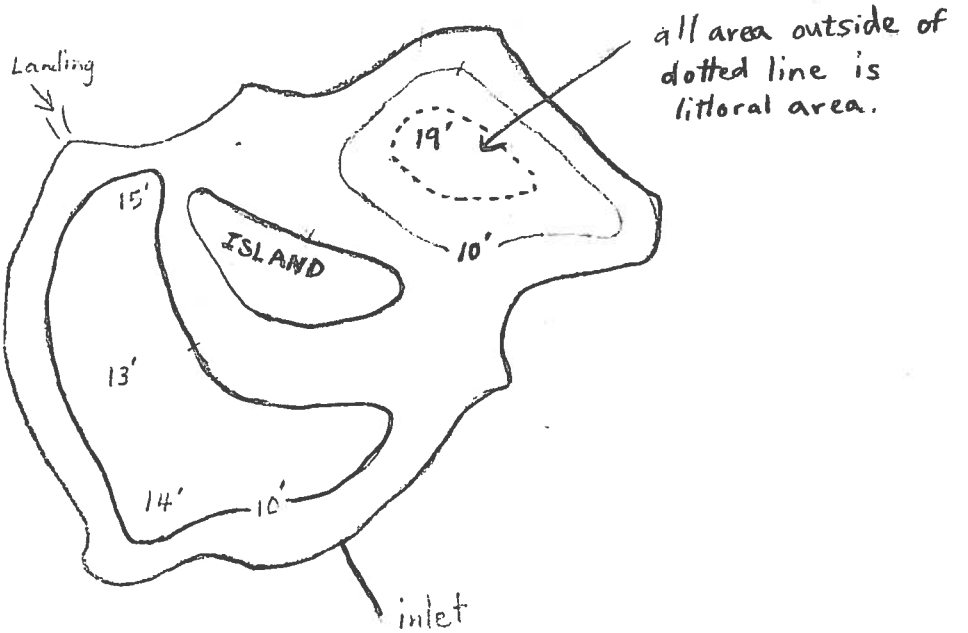
ALK,TOT (AS CACO3)	MG/L		9	NITROGEN TOTKJD AS N	MG/L		1.3
ALUMINUM TOTAL	UG/L		240	NO2 + NO3 AS N TOT	MG/L		0.01
BICARBONATE	MG/L		11	NO2+NO3 AS N DISS	MG/L		0.01
BORON TOTAL	UG/L		290	PH LAB			6.6
CALCIUM DISS	MG/L		5.1	PHOS ORTHO DIS AS P	MG/L		0.01
CARBON TOT ORGANIC	MG/L		18	PHOSPHATE DIS ORTHO	MG/L		0.03
CHLORIDE DISS	MG/L		1.1	PHOSPHORUS TOT AS P	MG/L		0.04
COBALT TOTAL	UG/L	<	50	POTASSIUM DISS	MG/L		0.8
COLOR			100	RESIDUE DIS CALC SUM	MG/L		20
COPPER TOTAL	UG/L	<	10	RESIDUE DIS-TON/AFT			0.08
FLUORIDE DISS	MG/L		0.1	RESIDUE DIS-TON/DAY			1650
HARDNESS NONCARB	MG/L		10	RESIDUE DIS 180C	MG/L		61
HARDNESS TOTAL	MG/L		19	SAR			0.1
IRON DISSOLVED	UG/L		180	SILICA DISSOLVED	MG/L		1.4
MAGNESIUM DISS	MG/L		1.6	SODIUM DISS	MG/L		1.0
MANGANESE DISSOLVED	UG/L		0	SODIUM PERCENT			10
MOLYBDENUM TOTAL	UG/L		1	SP. CONDUCTANCE LAB			36
NITROGEN NH4 ASN TOT	MG/L		0.04	STREAMFLOW(CFS)-INST			9999
NITROGEN TOT AS N	MG/L		1.3	SULFATE DISS	MG/L		3.3
NITROGEN TOT AS NO3	MG/L		5.8	VANADIUM TOTAL		DETR.	DELETED
NITROGEN TOT ORG N	MG/L		1.3	WATER TEMP (DEG C)			14.0
				ZINC TOTAL	UG/L		0

CATIONS	(MG/L)	(MEQ/L)	ANIONS	(MG/L)	(MEQ/L)
CALCIUM DISS	5.1	0.255	BICARBONATE	11	0.181
MAGNESIUM DISS	1.6	0.132	CHLORIDE DISS	1.1	0.032
POTASSIUM DISS	0.8	0.021	FLUORIDE DISS	0.1	0.006
SODIUM DISS	1.0	0.044	SULFATE DISS	3.3	0.069
			NO2+NO3 AS N D	0.01	0.001
TOTAL		0.450	TOTAL		0.286

PERCENT DIFFERENCE = 22.29

FOUR MILE LAKE





Contour	Acres	Ave. depth	Ac. Ft.
0-10	58	7	406
10+	42	14	588
	100		994

610 total
040 island
570
522 littoral
547

89.6 % littoral area

Ave. depth = 9.9'

Conductance = 36

MEI = 3.6

4 Mile Lake - 4.6 Mi. up Taylor Hwy from Tetlin Jct.
Turnoff on Rt. side of road down embankment. ATV Tracks, Trail, Fire Pits.