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

Little Lost Lake @ Quartz

LAKE Lost Lake

MAP REF. Big Delta A-4 T R S LAT. LONG.

LOC. 279.5 Richardson Hwy. SURF. ELEV.

1. SURF. ACRES 102 MAX. DEPTH AVG. DEPTH ACRE FT.
SHOAL AREA 100% WATER COLOR olive SECCHI READING
AQUATIC VEGETATION

2. FISH SPECIES: NATIVE none INTRODUCED GR

3. FISHING HISTORY none

4. INVERTEBRATES unknown

5. INLETS DISCHARGE cfs
DISCHARGE cfs
DISCHARGE cfs
BARRIERS

6. OUTLETS DISCHARGE cfs
DISCHARGE cfs
BARRIERS

7. SPAWNING AREAS

8. WATERSHED TYPE rolling hills, spruce-birch DRAINAGE AREA ACRES

9. ACCESSIBILITY trail ~~trail~~ from Rich. Hwy. to N. one mile

10. ACCESS STATUS public

11. USE SITE none FACILITIES trail

12. OTHER USE none

13. POLLUTION none

14. REMARKS consistent winter kill.

BY G.W. Warner DATE 1955

FG 206 2/68

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

PROVISIONAL RECORDS SUBJECT TO REVISION

WATER QUALITY ANALYSIS
LAB ID # 157044 RECORD # 19298

SAMPLE LOCATION: LOST LK NR DELTA JCT (NEAR QUARTZ L.)
STATION ID: 641200145504500 LAT.LONG.SEQ.: 641200 1455045 00
DATE OF COLLECTION: BEGIN--750529 END-- TIME--1330
COUNTY CODE: 090 PROJECT IDENTIFICATION: 78
DATA TYPE: 2 SOURCE: LAKE OR RESERVOIR GEOLOGIC UNIT:
COMMENTS:
BOTTLES F 6 FIELD VALUE USED FOR PH AND COND

ALK.TOT (AS CACO3)	MG/L	83	NITROGEN TOT ORG N	MG/L	2.2
ALUMINUM TOTAL	UG/L	< 10	NITROGEN TOTKJD AS N	MG/L	2.2
BICARBONATE	MG/L	101	NO2 + NO3 AS N TOT	MG/L	0.05
BORON TOTAL	UG/L	30	NO2+NO3 AS N DISS	MG/L	0.01
CALCIUM DISS	MG/L	23	OXYGEN DISSOLVED	MG/L	10.7
CARBON TOT ORGANIC	MG/L	39	PH		7.7
CARBONATE	MG/L	0	PH LAB		7.5
CHLORIDE DISS	MG/L	2.3	PHOS ORTHO DIS AS P	MG/L	0.01
COBALT TOTAL	UG/L	< 50	PHOSPHATE DIS ORTHO	MG/L	0.03
COLOR		65	PHOSPHORUS TOT AS P	MG/L	0.00
CONDUCTIVITY		180	POTASSIUM DISS	MG/L	5.6
CONDUCTIVITY LAB		180	RESIDUE DIS CALC SUM	MG/L	104
COPPER TOTAL	UG/L	10	RESIDUE DIS TON/AFT		0.23
DEPTH(FT.FR.SURFACE)		1.0	RESIDUE DIS TON/DAY		4510
FLUORIDE DISS	MG/L	0.2	RESIDUE DIS 180C	MG/L	167
HARDNESS NONCARB	MG/L	16	SAR		0.1
HARDNESS TOTAL	MG/L	99	SILICA DISSOLVED	MG/L	0.6
IRON DISSOLVED	UG/L	600	SODIUM DISS	MG/L	2.3
MAGNESIUM DISS	MG/L	10	SODIUM PERCENT		5
MANGANESE DISSOLVED	UG/L	6	STREAMFLOW(CFS)-INST		9999
MOLYBDENUM TOTAL	UG/L	0	SULFATE DISS	MG/L	9.1
NITROGEN NH4 ASN TOT	MG/L	0.00	VANADIUM TOTAL	DETR.	DELETED
NITROGEN TOT AS N	MG/L	2.3	WATER TEMP (DEG C)		16.0
NITROGEN TOT AS NO3	MG/L	10	ZINC TOTAL	UG/L	0

CATIONS	(MG/L)	(MEQ/L)	ANIONS	(MG/L)	(MEQ/L)
CALCIUM DISS	23	1.148	BICARBONATE	101	1.656
MAGNESIUM DISS	10	0.823	CARBONATE	0	0.000
POTASSIUM DISS	5.6	0.144	CHLORIDE DISS	2.3	0.065
SODIUM DISS	2.3	0.101	FLUORIDE DISS	0.2	0.011
			SULFATE DISS	9.1	0.190
			NO2+NO3 AS N D	0.01	0.001
TOTAL		2.214	TOTAL		1.921

PERCENT DIFFERENCE = 7.08

3.95

Lost Lake (Quartz)

Date	Snow Depth	Ice Depth	Sampling Depth	O_2 ppm	PH	Total Alk	Total Hard
12/16/65	10"	15"	2'	3.9			
			8'	2.5			
2/2/66	16"	18"	2'	1.0			
2/6/70	5"	40"	3.5'	1.0			
2/6/71	10"	31"	6'	0.2			
3/30/72	11"	30"	5'	11.0 ?			
5/29/75				10.7	7.3	83	99