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

LAKE Donna Lake

MAP REF. Mt. Hayes D-2 T 13S R 15E S 19 LAT. 63°46'N LONG. 144°54'W

LOC. Mi. 1391 Alaskan Hwy, 3 miles E. SURF. ELEV. 1660

1. SURF. ACRES 58 (from aerial photo 1"=1/4 mi.) MAX. DEPTH 36 ft. AVG. DEPTH ACRE FT.
SHOAL AREA 10% WATER COLOR SECCHI READING
AQUATIC VEGETATION 2-3 acres, potomogeton, water lily on E. shore

2. FISH SPECIES: NATIVE barren INTRODUCED RT

3. FISHING HISTORY 13 in. RT have been netted

4. INVERTEBRATES Gamarus visually plentiful

5. INLETS none DISCHARGE c
DISCHARGE c
DISCHARGE c
BARRIERS

6. OUTLETS none DISCHARGE c
DISCHARGE c
BARRIERS

7. SPAWNING AREAS none

8. WATERSHED TYPE slight incline, alder, spruce, willow, cottonwood DRAINAGE AREA ACRI

9. ACCESSIBILITY 3.5 mi. S. of hwy. on trail-winter road, float plane

10. ACCESS STATUS public BLM (state selected)

11. USE SITE none FACILITIES none

12. OTHER USE none

13. POLLUTION none

14. REMARKS

D.O. at 12 ft. 4/22/64 = 6.4 ppm.
Initially stocked in 1962. Restocked in successive years. The 1969 plant was 10,000 fingerling RT.

BY Heckart and Metsker DATE 1962-64

Att Page D 2

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

WATER QUALITY ANALYSIS
LAB ID # 192032 RECORD # 27528

PROVISIONAL RECORDS
SUBJECT TO REVISION

SAMPLE LOCATION: DONNA LK NR DOT LAKE AK
STATION ID: 634615144543000 LAT.LONG.SEQ.: 634615 1445430 00
DATE OF COLLECTION: BEGIN--750609 END-- TIME--1630
COUNTY CODE: 090 PROJECT IDENTIFICATION: 78
DATA TYPE: 2 SOURCE: LAKE OR RESERVOIR GEOLOGIC UNIT:
COMMENTS:
BOTTLES F-11

ALK,TOT (AS CACO3)	MG/L	26	NITROGEN TOT ORG N	MG/L	0.49
ALUMINUM TOTAL	UG/L	60	NITROGEN TOTKJD AS N	MG/L	0.51
BICARBONATE	MG/L	32	NO2 + NO3 AS N TOT	MG/L	0.07
BORON TOTAL	UG/L	50	NO2+NO3 AS N DISS	MG/L	0.07
CALCIUM DISS	MG/L	7.2	PHOS ORTHO DIS AS P	MG/L	0.00
CARBON TOT ORGANIC	MG/L	18	PHOSPHATE DIS ORTHO	MG/L	0.00
CHLORIDE DISS	MG/L	0.9	PHOSPHORUS TOT AS P	MG/L	0.00
COBALT TOTAL	UG/L <	50	POTASSIUM DISS	MG/L	1.4
COLOR		50	RESIDUE DIS CALC SUM	MG/L	33
COPPER TOTAL	UG/L	20	RESIDUE DIS TON/AFT		0.08
FLUORIDE DISS	MG/L	0.1	RESIDUE DIS TON/DAY		1670
HARDNESS NONCARB	MG/L	2	RESIDUE DIS 180C	MG/L	62
HARDNESS TOTAL	MG/L	29	SAR		0.1
IRON DISSOLVED	UG/L	80	SILICA DISSOLVED	MG/L	0.5
MAGNESIUM DISS	MG/L	2.6	SODIUM DISS	MG/L	1.4
MANGANESE DISSOLVED	UG/L	0	SODIUM PERCENT		9
MOLYBDENUM TOTAL	UG/L	0	SP. CONDUCTANCE LAB		62
NITROGEN NH4 ASN TOT	MG/L	0.02	STREAMFLOW(CFS)-INST		9999
NITROGEN TOT AS N	MG/L	0.58	SULFATE DISS	MG/L	2.7
NITROGEN TOT AS NO3	MG/L	2.6	WATER TEMP (DEG C)		14.4
			ZINC TOTAL	UG/L	10

CATIONS	(MG/L)	(MEQ/L)	ANIONS	(MG/L)	(MEQ/L)
CALCIUM DISS	7.2	0.360	BICARBONATE	32	0.525
MAGNESIUM DISS	2.6	0.214	CHLORIDE DISS	0.9	0.026
POTASSIUM DISS	1.4	0.036	FLUORIDE DISS	0.1	0.006
SODIUM DISS	1.4	0.061	SULFATE DISS	2.7	0.057
			NO2+NO3 AS N D	0.07	0.005
TOTAL		0.670	TOTAL		0.616

PERCENT DIFFERENCE = 4.16

Donna Lake

DATE	Snow Depth	Ice Depth	SAmple Depth	O_2 ppm	pH	Total Alk ppm	total Hard ppm
3/25/64	3"	48"	6'	3.3			
9/22/64	4"	95"	6'	6.5			
			12'	6.4			
3/7/68	3"	36"	Sur	8.0			
			10'	8.0			
3/4/70	Ø	37"	3'	10.5			
			10'	11.5			
12/17/70	10"	22"	Sur	130			
3/23/72	3"	66"	10'	10.0			
7/12/72					8.0	105	50
3/21/73			5'	9.0	6.8	51.3	68.4
6/9/75						26	29