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

LAKE Crosswind (Charley)

MAP REF. Gulkana B-4, B-5 T 6N, 7N R 4W S 9,9,16,17,28,29,32,33,4,5,8,9,17 & more LAT. 62° 20" LONG. 146° 00"

LOC. 20 miles northwest of Glennallen SURF. ELEV. 2112

1. SURF. ACRES 8000 MAX. DEPTH 85 100 AVG. DEPTH ACRE FT.
SHOAL AREA WATER COLOR Clear SECCHI READING
AQUATIC VEGETATION

2. FISH SPECIES: NATIVE Grayling, whitefish, suckers, lingcod, lake trout INTRODUCED None

3. FISHING HISTORY Good producer of lake trout, grayling in the outlet, whitefish bb nets

4. INVERTEBRATES

5. INLETS 2 large inlets on southwest corner of lake DISCHARGE cfs
DISCHARGE cfs
DISCHARGE cfs
BARRIERS

6. OUTLETS Large outlet stream in northwest corner to west fork of Gulkana DISCHARGE cfs
DISCHARGE cfs
BARRIERS None

7. SPAWNING AREAS Large lake trout spawning area on east side; grayling in inlet and outlet

8. WATERSHED TYPE Low rolling hills and tundra. DRAINAGE AREA ACRES

9. ACCESSIBILITY By float plane; private landing strip owned by Claude Rogers located on north end of lake. In winter army has cat trails into lake for maneuvers.

10. ACCESS STATUS 2 filed on lake, one at outlet, one on east side

11. USE SITE Semi-private FACILITIES None

12. OTHER USE None

13. POLLUTION Unknown

14. REMARKS West Fork of Gulkana outlet (Gray Creek) dry in Fall, 1967

BY DATE 6/8/60

FG-206 2/69

# ALASKA DEPARTMENT OF FISH AND GAME
## Sport Fish Division

**Lake Survey Form**

Lake Crosswind Lake (Charley) Sec. A-5, Twp. ____, Rge. ____, Lat. 62-20 N., Long. 146-00 W.

Acreage 8,000 Max. Depth 85± Altitude 2112

Location 20 miles Northwest of Glennallen Water Color (clear, silty) clear

Type of Bottom ____

Inlets (name, size, permanency) two large inlets on the southwest corner of the lake

Benchmark (Description) none

Outlet (size, immediate and main drainage) large outlet stream in the Northwest corner, to west fork of Gilkana

Barriers none

Use (Private, public, semiprivate) semi-private

Public Access Site 2 filed on the lake, one at the outlet and one on the east side

Facilities (Campground, roadhouse, etc.) none

Native Fish Species grayling, whitefish, suckers, ling cod, lake trout.

Introduced Species none

Spawning Grounds large lake trout spawning area on the ~~xxxx~~ east side; grayling in inlet and outle

Fishing History good producer of lake trout, grayling in the outlet, whitefish by nets

Other Uses none

Fish Losses none

Character and size of watershed low rolling hills and tundra, large watershed

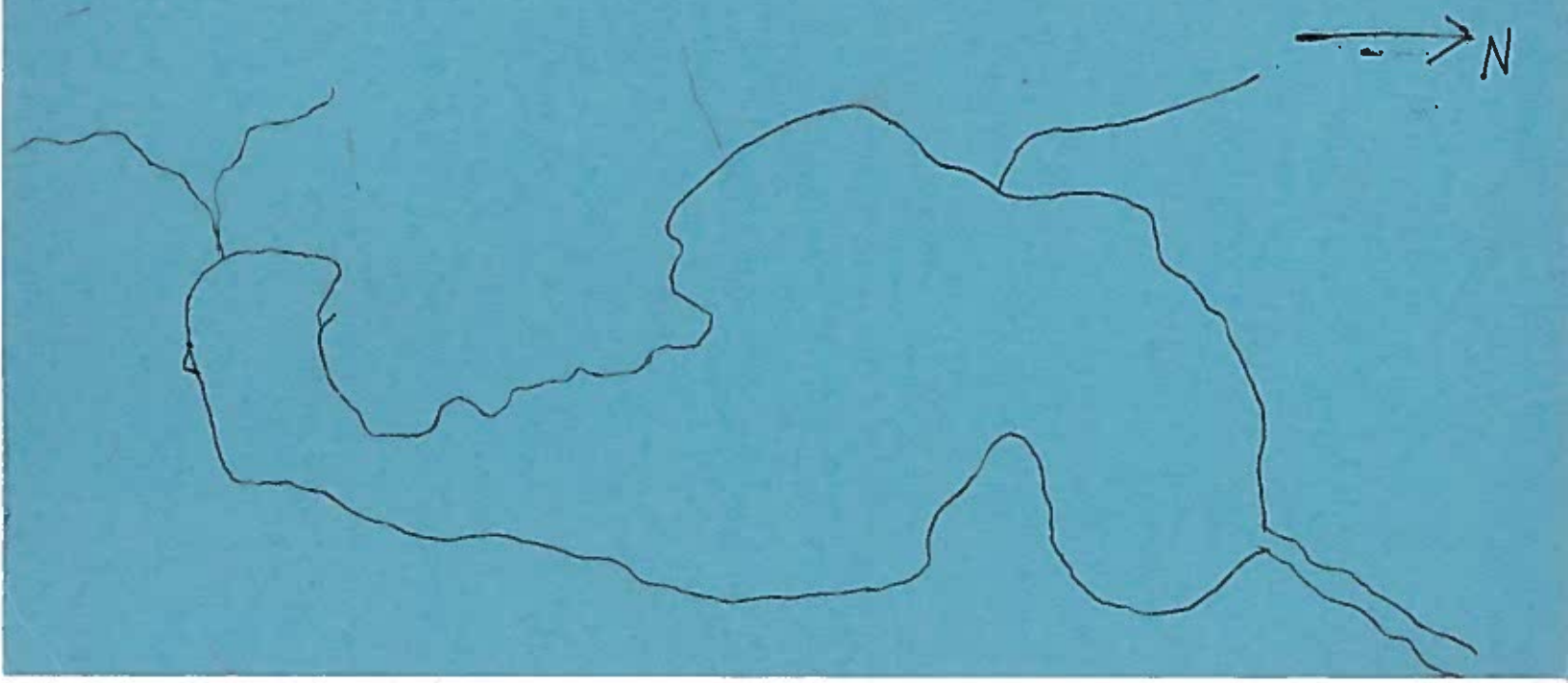
Remarks An age and growth study of the lake trout in this lake will be undertaken in 1961

(over)

From AWC Files 1/97

Description of accessibility (how reached) This lake can be reached only by float plane; a private landing strip owned by Claude Rogers is located on the north end of the lake, in the winter, the army has cat trails into the lake for maneuvers.

Sketch: showing outline of lake, depth, prominent landmarks, inlets, outlet, weedbeds, public service site location, benchmark location, etc.



LAKE SURVEY DATA

Date 7/21/76 Lake Crosswind River system Gulkana

Surveyor Bird

Physical Data

Elevation 2112' Surface acres 7772 Average depth

Secchi depth 7.5 m Mean depth

Temperature, surface 17.2 °C Temperature, at depth 3m = 16.7 °C

Chemical Data

Phenolphthalein alkalinity ($CaCO_3$) ϕ mg/l

Methyl-Orange alkalinity ($CaCO_3$) 85.5 mg/l

Hydroxide alkalinity ϕ mg/l

pH: Field (Hach) 8.75 ; Laboratory (meter) 7.58

Carbon dioxide (surface) 5.0 ppm Carbon dioxide, at depth ppm

Dissolved oxygen (surface) 8.0 ppm Dissolved oxygen, at depth 3m = 8.0 ppm

Total hardness ($CaCO_3$) 85.5 mg/l Turbidity (NTU) 0.34

Conductivity: Microhms/cm 106.5 ohms/cm 9,400 GR/GAL (NaCl) 2.9

mg/l (NaCl) 50.0 Total dissolved solids ($CaCO_3$) 43.0

General Survey Information

Fish species present

Habitat evaluation

Floral and faunal observations

Weather

Remarks Plankton hauls: 2 @ midlake in 90' $H_2O$ w/ 130 μ mesh nets/hauls At 13m + 13m.