LAKE SURVEY DATA

Date 7/1/76 Lake Paxson River system Gulkana

Surveyor Bird

Physical Data

Elevation 2553 2885' Surface acres 3850 ~~2740~~ Average depth

Secchi depth 4.0 m Mean depth

Temperature, surface 11.0 °C (51.8°F) Temperature, at depth

Chemical Data

Phenolphthalein alkalinity ($CaCO_3$) mg/l

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

Hydroxide alkalinity mg/l

pH: Field (Hach) 8.75 ; Laboratory (meter) 7.70

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

Dissolved oxygen (surface) ppm Dissolved oxygen, at depth ppm

Total hardness ($CaCO_3$) mg/l Turbidity (NTU) 0.75

Conductivity: Microhms/cm 111.0 ohms/cm 8900 GR/GAL (NaCl) 3.1

mg/l (NaCl) 52 Total dissolved solids ($CaCO_3$) 45

General Survey Information

Fish species present

Habitat evaluation

Floral and faunal observations

Weather

Remarks

LAKE SURVEY DATA

Date 7/24/76 Lake Paxson River system Gulkana

Surveyor Bird

Physical Data

Elevation 2553' Surface acres 3850 ~~2805~~ Average depth

Secchi depth 4.0 m Mean depth

Temperature, surface 14.7 °C Temperature, at depth 3m = 14.7 °C

Chemical Data

Phenolphthalein alkalinity ($CaCO_3$) ∅ mg/l

Methyl-Orange alkalinity ($CaCO_3$) 102.6 mg/l

Hydroxide alkalinity ∅ mg/l

pH: Field (Hach) 9.0 ; Laboratory (meter)

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

Dissolved oxygen (surface) 9 ppm Dissolved oxygen, at depth 10m = 9 ppm

Total hardness ($CaCO_3$) 68.4 mg/l Turbidity (NTU)

Conductivity: Microhms/cm ohms/cm GR/GAL(NaCl)

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

General Survey Information

Fish species present

Habitat evaluation

Floral and faunal observations

Weather

Remarks

LAKE SURVEY DATA

Date 8/25/76 Lake Paxson River system Gulkana

Surveyor Bird

Physical Data

Elevation 2553 ~~2885~~ Surface acres 3850 ~~2740~~ Average depth

Secchi depth 4.0 m 40.7F Mean depth

Temperature, surface 15.6 °C Temperature, at depth 3m = 16.1 °C

Chemical Data

Phenolphthalein alkalinity ($CaCO_3$) 0 mg/l

Methyl-Orange alkalinity ($CaCO_3$) 102.6 mg/l

Hydroxide alkalinity mg/l

pH: Field (Hach) 9.0 ; Laboratory (meter) 7.1

Carbon dioxide (surface) 10 ppm Carbon dioxide, at depth ppm

Dissolved oxygen (surface) 10 ppm Dissolved oxygen, at depth 10' = 10 ppm

Total hardness ($CaCO_3$) 85.5 mg/l Turbidity (NTU) 0.64

Conductivity: Microhms/cm 108 ohms/cm 9700 GR/GAL(NaCl) 2.9

mg/l(NaCl) 50.5 Total dissolved solids($CaCO_3$) 43.5

General Survey Information

Fish species present

Habitat evaluation

Floral and faunal observations

Weather

Remarks

LAKE SURVEY DATA

Date 7/1/76 Lake Paxson River system Gulkana

Surveyor Bird

Physical Data

Elevation 2885' Surface acres 2740 Average depth

Secchi depth 4.0 m Mean depth

Temperature, surface 11.0 °C Temperature, at depth

Chemical Data

Phenolphthalein alkalinity ($CaCO_3$) mg/l

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

Hydroxide alkalinity mg/l

pH: Field (Hach) 8.75 ; Laboratory (meter) 7.70

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

Dissolved oxygen (surface) ppm Dissolved oxygen, at depth ppm

Total hardness ($CaCO_3$) mg/l Turbidity (NTU) 0.75

Conductivity: Microhms/cm 111.0 ohms/cm 8900 GR/GAL(NaCl) 3.1

mg/l(NaCl) 52 Total dissolved solids($CaCO_3$) 45

General Survey Information

Fish species present Round Whitefish, Sockeye, Lake trout, Burbot, Lake Whitefish

Habitat evaluation

Floral and faunal observations

Weather

Remarks

ALASKA DEPARTMENT OF FISH AND GAME

DIVISION OF SPORT FISH

WATER Paxson Lake

WATER ANALYSIS

LOCATION

DATE	STATION	TIME	SNOW COVER	ICE COVER	SAMPLE DEPTH	TEMPERATURE WATER	TEMPERATURE AIR	DO	CO_2	pH	TOTAL ALKALI	REMARKS	BY
1/30/64				42"	15'			7.7					
1/30/64				42"	30'			6.4					
2/29/72			6"	36"	5'								
5/3/74			2"	54"	10'			11					

DEFINE LOCATION OF STATIONS ON REVERSE

2/69
FG-208

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF SPORT FISH

SUPPLEMENTAL DATA

NAME Parson Lake

LOCATION Richardson Hiway

10/30/69 ice Lower of Lake 3/3 open

FEB. 1983 - Roger Butler Brought in 15 Lb. Burbot For Trophy Cetificate Stomach was empty except for Decomposed Vertibrae. OTOLiths Aged 15+ years, Caught South END of Lake.

BY _____ DATE _____

2/69
FG-213