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

LAKE Bolio Lake

MAP REF. Mt. Hayes D-4 T 12S R 10E S 5-8 LAT. 63°53'N LONG. 145°52'W

LOC. Mi. 257.5 Rich. Hwy. SURF. ELEV. 1400

1. SURF. ACRES 140 MAX. DEPTH 16 AVG. DEPTH ACRE FT.
SHOAL AREA WATER COLOR clear SECCHI READING
AQUATIC VEGETATION unknown

2. FISH SPECIES: NATIVE Barren INTRODUCED RT, SH, SS

3. FISHING HISTORY RT up to 5 lbs.

4. INVERTEBRATES unknown

5. INLETS none DISCHARGE cfs
DISCHARGE cfs
DISCHARGE cfs
BARRIERS

6. OUTLETS none DISCHARGE cfs
DISCHARGE cfs
BARRIERS

7. SPAWNING AREAS shallow areas

8. WATERSHED TYPE birch - spruce, some marsh land DRAINAGE AREA 1000 ACRES

9. ACCESSIBILITY secondary rd. 2 1/2 Mi., Meadows Rd.

10. ACCESS STATUS Military Reservation open to public

11. USE SITE boat landing FACILITIES

12. OTHER USE used by Army to test equipment

13. POLLUTION

14. REMARKS
History of severe to partial winter-kills and low water levels.

BY McKirdy DATE 1960

Bolio Lake:
USGS Topographic Sectional: Mt. Hayes

Bolio Lake is located south of Delta Junction on Fort Greely along the Meadows Road. The lake can be accessed by a 4 km gravel road. Surface area is 56 ha and maximum depth is 5.5 m (Table 32). Bolio Lake was first stocked in 1966 with coho salmon. Coho salmon were again stocked in 1968, 1971, 1973, 1975, and 1977. Arctic grayling were stocked in 1981, 1983, 1984, and from 1987 through 1990. Chinook salmon were stocked from 1986 through 1988. Lake trout were stocked in 1988. Sampling in 1989 resulted in zero catches. In 1990, abundance of age 1 Arctic grayling was estimated to have been 71 fish and they averaged only 67 mm in length. The 1988 mixed species stocking of Arctic grayling, chinook salmon, and lake trout and the 1989 single species stocking of Arctic grayling were both failures.

Lake Specifics

Characteristic	Specifics
Location:	Richardson Highway Mile Post 257.6, Meadows Road Mile Post 2
Access status:	Road
Endemic species:	None
Stocked species:	Arctic grayling, coho salmon, chinook salmon, lake trout
Surface area:	56 ha
Maximum depth:	5.5 m

Bolio Lake

DAte	Snow Depth	Ice Depth	Sampling Depth	O_2 ppm	PH	Total Alk ppm	Total Hard ppm
3/8/66	6"	39"	Surface	6.5			
			8'	6.0			
			16'	2.0			
4/29/66	ø"	28"	3'	7.5			
			10'	5.0			
			15'	2.5			
4/6/67	ø"	30"	Surface	6.25			
			8'	5.25			
			10'	3.75			
			13'	1.50			
3/6/68	ø	23"	Surface	5.50			
			10'	6.0			
4/7/68	ø	16"	3'	8.00			
			5'	6.50			
1/23/69	6"	30"	5'	8.50			
			10'	7.50			
3/6/69	ø	36"	3'	9.00			
			8'	6.50			
2/5/70	5"	40"	5'	9.0			
			8'	6.5			
3/5/70	ø	39"	3'	9.5			
			10'	7.0			
2/5/71	6"	30"	6'	8.0			
12/02/71	5"	15"	5'	12.0			
3/22/72	8"	40"	5'	3.0			
8/16/72					8.5	85	85
3/19/73				9.0	7.0	68	86
7/3/73				10.0	8.5	68	68
4/5/75				3.4	7.0	68	85
4/3/81	12"	30"	4'	5.5			
			10'	5.0			
			12'	4.7			