



1/2 mile

ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HARP LAKE

District: Muskoka Township: Chaffey
 Lat: 45° 22' Long: 79° 07'
 Area: 177.1 acres Vol: . acre feet
 Elevation: 1068 feet Perimeter: 2.75 miles
 Scale: 8" = 1 mile Depths shown in feet
 Survey date: June 7-8/11 Drawn by: G. E. V.

HARP LAKE *

TOWNSHIP - CHAFFEY

LONGITUDE - 79-07

LATITUDE - 45-22

ELEVATION - 326 M

WATERSHED - 2EB13

BASIN AND TERRAIN CHARACTERISTICS:

SURF. AREA - 71.7 HA
 MAX. DEPTH - 33.8 M
 MEAN DEPTH - 11.6 M
 MEI - 2.1

PERIMETER - 4.4 KM
 ISLAND SL - 0.0 KM
 COTTAGES - 57
 RESORTS - 0
 CROWN - 0 %

PROJECT - X1764605
 LIT. ZONE - 34 %

WATER CHEMISTRY DATA:

STATION # - 1
 TIME - 14:00
 DATE - 1971/06/07

SECCHI - WAVY
 SURFACE COLOUR - COLOURLESS
 DO - 3.7 M
 PH - (3)
 AIR TEMP - 21.1 C
 CLOUD - 90 %

DEPTH (M)	TEMP (C)	DO (MG/L)	PH	ALK (MG/L)	CELLTEMP (C)	COND (UMHOS/CM)
0.0	18.3	--	--	--	--	--
1.5	18.3	9.0	6.5	13.7	26.5	35.0
3.1	15.6	--	--	--	--	--
4.6	13.3	--	--	--	--	--
6.1	8.9	8.8	5.5	13.7	25.5	34.0
7.6	6.1	--	--	--	--	--
9.2	5.6	--	--	--	--	--
10.7	5.0	--	--	--	--	--
30.5	17.8	7.2	5.5	13.7	25.5	34.0

STATION # - 2
 TIME - 15:55
 DATE - 1975/08/18

SECCHI SURFACE COLOUR - ROUGH
 DO - 6.5 M
 PH - (4)
 AIR TEMP - 20.0 C
 CLOUD - 50 %

DEPTH (M)	TEMP (C)	DO (MG/L)	PH	ALK (MG/L)	CELLTEMP (C)	COND (UMHOS/CM)
0.0	20.0	--	--	--	--	--
1.5	20.0	7.6	7.5	13.7	22.0	35.0
3.1	20.0	--	--	--	--	--
4.6	18.9	--	--	--	--	--
5.5	12.2	10.2	7.5	13.7	21.0	35.0
6.1	9.4	--	--	--	--	--
7.6	5.6	--	--	--	--	--
9.2	4.4	--	--	--	--	--
10.7	3.9	--	--	--	--	--

HARP LAKE

DEPTH (M)	TEMP (C)	DO (MG/L)	PH	ALK (MG/L)	CELLTEMP (C)	COND (UMHOS/CM)
12.2	3.3	--	--	--	--	--
16.8	3.3	5.0	--	--	--	--
18.3	3.3	4.4	--	--	--	--
29.0	3.3	1.6	6.0	13.7	19.0	35.0

break tank 80
break tank 81
break tank 93
break tank 163
break tank 271
break tank 316

FISH SPECIES:

BATHYMETRY:

DEPTH (M)	AREA (HA)	DEPTH (M)	AREA (HA)	DEPTH (M)	AREA (HA)
0.0	71.7	12.2	29.8	24.4	7.7
3.0	56.9	15.2	22.6	27.4	4.7
6.1	47.3	18.3	17.3	30.5	1.8
9.1	38.3	21.3	11.5	33.5	0.2