



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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Portage Lake (Mowat)

Created: November 03

Revised:

Location:

MNR District:..... Parry Sound
Geographic Township: Mowat
Municipal Township: Unincorporated
Watershed: Key River
Angling Division: 15

Basin and Terrain Characteristics:

Lake Survey Year: 1978
Surface Area:..... 59.2 hectares
Maximum Depth: 15 meters
Mean Depth: 2.7 meters
Perimeter: 15.1 km
Island shoreline: 0.0 km
Littoral Zone:
Thermal Regime: Cool
Shoreline Development:
Access Points: Road (Public)
Water Level: Not Regulated
Crown Land: 100% Shoreline

Water Quality:

(Parameters pertain to fisheries habitat only. For information on potability of water or contaminants, contact Min. of Health and Min. of Environment.)

Secchi reading: 1.8 meters; 3.3 meters (1998)
Colour: Yellow/Brown

Dissolved Oxygen:

Alkalinity: 12.1 (1983) – Level 4 Not Sensitive (MoE, 1989)

pH: 6.22 (1983)

Total Phosphorus: 0.014 mg/l (1998)

M.E.I.: 18.8 (1978)

“Guide to eating fish”: Restrictions for Northern Pike, Black Crappie and Brown Bullhead refer to the current “Guide To Eating Ontario Sport Fish”

Fisheries:

Game Fish Species: Northern Pike (1993), Walleye (1993), Yellow Perch (1993), Black Crappie (1993), Largemouth Bass (1993), Smallmouth Bass (1993)

Other species present: Rock Bass (1993), White Sucker (1993), Pumpkinseed (1993), Brown Bullhead (1993), Bowfin (1993), Blacknose Shiner, Central Mudminnow, Bluntnose Minnow, Iowa Darter

Exotic Species:

Stocking Record: 1992 Walleye 7,000 fingerling
1987 Walleye 2,198 fingerling

Stress Type:

Use Type: Snowmobile Trail, Recreation, Recreational Fishing

Summary of Fisheries Studies / Reports:

Thurston, L. 1994 Results of the **1986 and 1993 trap net surveys** conducted on Portage Lake

- Sport fish abundance remains low despite stocking walleye
- Author recommends discontinuing walleye planting, encourage the utilization of black crappie and Brown Bullhead and determine dissolved oxygen levels in mid-winter

Thurston, L. 1994 Note To File: **Winter Kill**

- Dissolved oxygen measurement Data from March 1994
- Winter kill events are probable

Hoyle, J. 1986 **Trap Net Survey**

- 15 sets were conducted utilizing 8, 6 & 4 foot trap nets
- Top predators (walleye, smallmouth bass, largemouth bass & bowfin) constituted the majority of the netted biomass
- author recommends a coarse fish removal to reduce predation on young walleye based on the number and size of bowfin captured

Management Prescription:
