



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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Miskokway Lake

(a.k.a. Simikoka Lake)

Created: October 03

Revised: Jan. 04 (EM)

Location:

MNR District:..... Parry Sound
Geographic Township: Burton
Municipal Township: Whitestone
Watershed: Naiscoot River
Angling Division: 15

Basin and Terrain Characteristics:

Lake Survey Year: 1975
Surface Area:..... 238 hectares
Maximum Depth: 41.2 meters
Mean Depth: 14.5 meters
Perimeter: 21.7 km
Island shoreline: 0.3 km
Littoral Zone: 33%
Thermal Regime: Cold
Shoreline Development: 4 Cottages (1992)
Access Points: Remote
Water Level: Not regulated
Crown Land: 100%

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: 4.9 meters (1975, MNR), 5.5 meters (1997, MNR)
Colour: Blue/Green

Alkalinity: 6.8 ug/l (1975) – Level 2 Extremely Sensitive (MoE, 1989)

pH: 7.0 (1975): 6.0 (Bar, 1987)

M.E.I.: 1.3 (1985)

“Guide to eating fish”: Restrictions for Smallmouth Bass, Cisco and Lake Trout refer to the current “Guide To Eating Ontario Sport Fish”.

Fisheries:

Game Fish Species: Lake Trout, Smallmouth Bass, Yellow Perch

Other species present: Cisco, White Sucker, Golden Shiner, Creek Chub, Brown Bullhead, Pumpkinseed, Iowa Darter

Exotic Species: None

Stocking Record: 1975 Lake Trout 4,000 yearling

Stress Type: Acidification, Exploitation

Use Type: Recreational Fishing, Fly-in fishing camp

Summary of Fisheries Studies / Reports:

McIntyre, E. 1997. **Fall littoral index netting report for Miskokway Lake** (Burton Twp.) 1997.

- CUE: 1.5 ± 0.48 ($P < 0.05$) ; 46 lake trout caught - all but 1 *natural* (‘average’ abundance of lake trout relative to other Provincial waters surveyed by SLIN methodology)
- Mean Size: 45.2 cm; 1.04 kg. (large bodied fish)
- Size distribution indicates “*good*” reproduction and recruitment
- Condition factor - consistently better than provincial average / lots of small cisco for forage
- Currently healthy, natural, self-sustaining population

Thurston, L. 1977 Summary of Twp Years (1976 – 77) of **Lake Trout Assessment Work**, Parry Sound District

- Based on recent gill netting and creel census Miskokway rated second best of lakes surveyed.
- Report recommends continued management for lake trout

Also see

B.A.R. Environmental. 1987. Experimental lake neutralization studies in Ontario 1981 – 1986. Consultant report prepared for OMNR and MOE.

Management Prescription:

Manage as natural, self-sustaining lake trout and smallmouth bass fishery.

Fish Sanctuary - no fishing from Jan. 1 - May 18 (Fri. before 3rd Sat.).