



## PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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### Moffat Lake

a.k.a Squaw

Created: October 03

Revised:

#### **Location:**

MNR District:..... Parry Sound  
Geographic Township: ..... McKellar  
Municipal Township: ..... McKellar  
Watershed: ..... Magnetawan River – Seguin River-  
Angling Division: ..... 15

#### **Basin and Terrain Characteristics:**

Lake Survey Year: ..... 1978  
Surface Area:..... 52.4 hectares  
Maximum Depth: ..... 6.1 meters  
Mean Depth: ..... 2.5 meters  
Perimeter: ..... 8.1 km  
Island shoreline: ..... 0.2 km  
Littoral Zone: .....  
Thermal Regime: ..... Cool  
Shoreline Development: ..... 11 Cottages, 1 Resort  
Access Points: ..... Road (Private)  
Water Level: ..... Not Regulated  
Crown Land: ..... 0% 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: 2 meters  
Colour: Yellow/Brown

**Dissolved Oxygen:****Alkalinity:** 13.7 – Level 3 Moderately Sensitive (MoE, 1989)**pH:** 6.75**Total Phosphorus:****M.E.I.:** 9.1**“Guide to eating fish”:** No Information**Fisheries:****Game Fish Species:** Northern Pike, Smallmouth Bass, Yellow Perch, Walleye (1940), Rainbow Trout (2000)**Other species present:** White Sucker, Bluntnose Minnow, Rock Bass, Brown Bullhead, Pumpkinseed**Exotic Species:**

**Stocking Record:** 2000 Rainbow Trout 1500 fingerling  
1963 Smallmouth Bass 1,000 fingerling  
1960 Smallmouth Bass 1,000 fingerling  
1955 Smallmouth Bass 200 fingerling  
1953 Smallmouth Bass 250 fingerling  
1951 Smallmouth Bass 250 fingerling  
1949 Smallmouth Bass 400 fingerling  
1946 Smallmouth Bass 500 fingerling  
1940 Walleye 400,000 fry  
1940 Walleye 400,000 fry

**Stress Type:****Use Type:** Snowmobile Trail, Recreation, Recreational Fishing**Summary of Fisheries Studies / Reports:**

McIntyre, E. 2003 Walleye Rehabilitation Plan

- Parry Sound District would like to stock 2,600 advanced fall fingerling annually for two consecutive years.
- Assessment of planting would consist of visual monitoring of rehabilitated spawning site and synoptic trapnet surveys.

McIntyre, E. 2002 Synoptic Trapnet Survey

- Abundance for walleye and smallmouth bass are among the lowest of 19 lakes surveyed in the Parry Sound Area.
- Abundance of northern pike is above the average of the surveyed lakes.
- White sucker composed 60% of the total catch weight indicating their dominance of the near-shore community.

- The overall productivity is slightly below the district average.

McIntyre, E. 2001 Community Fisheries Involvement Program Project Report. Walleye Spawning Bed Rehabilitation

- Cobble suitable for spawning was placed on site to enhance spawning capacity.

Kujala, K. 1973 Cleaning Pickerel Spawning Beds, Parry Sound District 1973

- 12 walleye spawning beds (500 sq. ft.) were cleaned with high pressure water hoses to remove sand and silt from between the spawning cobble.

### **Management Prescription:**