



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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Cole Lake

Created: June 03

Revised:

Location:

MNR District:..... Parry Sound
Geographic Township: Carling
Municipal Township: Carling
Watershed:
Angling Division: 15

Basin and Terrain Characteristics:

Lake Survey Year: 1975
Surface Area:..... 35.6 hectares
Maximum Depth: 6.7 meters
Mean Depth: 3.0 meters
Perimeter: 3.7 km
Island shoreline: 0.2 km
Littoral Zone: 95%
Thermal Regime: Cool
Shoreline Development: 10 Cottages
Access Points: Road
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: 2.4 meters
Colour: Yellow Brown

Dissolved Oxygen:**Alkalinity:** 6.8 mg/l**pH:** 7.0**Total Phosphorus:****M.E.I.:** 8.5 (1988)**“Guide to eating fish”:** No Information**Fisheries:****Game Fish Species:** Largemouth Bass, Smallmouth Bass, Northern Pike, Yellow Perch**Other species present:** Brown Bullhead, Pumpkinseed, White Sucker, Golden Shiner**Exotic Species:**

Stocking Record: 1953 Smallmouth Bass 200 fingerling
1950 Smallmouth Bass 400 fingerling
1947 Smallmouth Bass 500 fingerling
1941 Smallmouth Bass 5,000 fry
1940 Smallmouth Bass 5,000 fry

Stress Type:**Use Type:** Recreation, Recreational Fishing, Tourism Based Industry**Summary of Fisheries Studies / Reports:**

Thurston, L. 1978 **Management Implications of removing Brown Bullhead** in a largemouth bass fishery in Cole Lake

- Brown Bullheads were removed from the lake.
- Adult largemouth bass increased in number seven-fold from 1974 to 1978 but mainly due to the strength of the 1975 age class immediately after the removal.
- Bullhead populations began to recover and compete with the bass in 1976.

Thurston, L. 1974 **Further Investigation** into the Cole Lake **Fishery**

- Brown Bullheads are not being utilized by anglers or the piscivorous fish of the upper part of the food chain.
- Recommend reclaiming lake and planting largemouth bass, smallmouth bass, golden shiner and black crappie.
- Elimination of bullheads will release much of the tied-up nutrient and make it available to the desirable sport fish.

Thurston, L. 1973 The Cole Lake **Fishery**

- Center of the lake lacks cover for large carnivorous fish.
- No further cottage or house development unless sewage is hauled away
- Population of forage fish is appears too high in relation to piscivorous. This should be substantiated and reduction methods could be considered.

Management Prescription: