



PARRY SOUND AREA LAKE SUMMARIES



Brought to you compliments of:

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Blackstone Lake

Created: June 03

Revised:

Location:

MNR District:..... Parry Sound

Geographic Township: Conger

Municipal Township: Archipelago

Watershed:

Angling Division: 15

Basin and Terrain Characteristics:

Lake Survey Year: 1973

Surface Area:..... 516 hectares

Maximum Depth: 58.0 meters

Mean Depth: 20.1 meters

Perimeter: 34.9 km

Island shoreline:

Littoral Zone: 23%

Thermal Regime: Cool

Shoreline Development: 96 Cottages, 2 Resorts

Access Points: Road

Water Level: Regulated – Crane Lake Dam constructed 1930

Crown Land: 40% 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: 5.5 meters

Colour: Yellow/Brown

Dissolved Oxygen:

Alkalinity: 27.4 mg/l - Level 3 Moderately Sensitive (MOE, 1989)

pH: 7.1 (2001)0

Total Phosphorus: Average 0.01 mg/l (MOE "Lake Partner Program" 1998)

M.E.I.: 1.4 (1973)

"Guide to eating fish": No Information

Fisheries:

Game Fish Species: Lake Trout (2001), Smallmouth Bass, Largemouth Bass, Walleye (1988), Yellow Perch, Northern Pike, Burbot, Rock Bass, Muskellunge

Other species present: Cisco, Rainbow Smelt, Log Perch, white Sucker, Emerald Shiner, Bluntnose Minnow, Brown Bullhead, Golden Shiner, Pumpkinseed

Exotic Species:

Stocking Record: 2001 Lake Trout 4,300 17 month
1999 Lake Trout 4,300 17 month
1997 Lake Trout 4,300 17 month
1995 Lake Trout 4,300 yearling
1993 Lake Trout 3,200 yearling
1991 Lake Trout 4,300 yearling
1989 Lake Trout 4,300 yearling
1988 Walleye 40,000 yearling and 277 adult
1987 Lake Trout 4,300 yearling
1986 Walleye 1,600 yearling and 700,000 fry
1986 Lake Trout 2,500 yearling
1985 Walleye 655,000 fry and 27,500 fingerling
1984 Lake Trout 3,000 yearling
1982 Lake Trout 2,500 yearling
1978 Lake Trout 1,000 2+
1976 Walleye 2,000,000 egg
1976 Lake Trout 3,750 2+
1974 Lake Trout 10,000 yearling
1973 Lake Trout 9,000 yearling
1972 Lake Trout 6,000 yearling
1971 Lake Trout 12,000 yearling
1968 Lake Trout 3,000 yearling
1966 Lake Trout 2,500 yearling
1964 Lake Trout 1,000 yearling
1962 Lake Trout 1,000 yearling
1962 Muskellunge 10,000 fry
1961 Lake Trout 2,000 yearling
1961 Muskellunge 10,000 fry
1960 Lake Trout 1,000 yearling
1960 Muskellunge 5,000 (fry?)
1959 Lake Trout 2,000 yearling
1958 Muskellunge 20,000 fry
1958 Lake Trout 2,000 yearling
1957 Lake Trout 2,000 fingerling

1956 Lake Trout 3,000 yearling
 1956 Walleye 150,000 egg
 1956 Muskellunge 10,000 fry
 1955 Walleye 100,000 egg
 1955 Muskellunge 20,000 fry
 1954 Walleye 300,000 egg
 1954 Muskellunge 750 fingerling
 1954 Smallmouth Bass
 1953 Walleye 200,000 egg
 1953 Smallmouth Bass 500 fingerling
 1953 Muskellunge 1,500 fingerling
 1951 Walleye 200,000 egg
 1951 Smallmouth Bass 300 fingerling
 1950 Walleye 200,000 egg
 1950 Smallmouth Bass 400 fingerling
 1949 Walleye 200,000 fry
 1948 Walleye 200,000 fry
 1948 Smallmouth Bass 10,000 (fry?)
 1946 Walleye 150,000 fry
 1946 Smallmouth Bass 10,000 fry
 1945 Smallmouth Bass 10,000 fry
 1944 Smallmouth Bass 5,000 fry
 1944 Walleye 250,000 egg
 1943 Smallmouth Bass 10,000 fry
 1941 Walleye 200,000 fry
 1941 Smallmouth Bass 20,000 fry
 1939 Walleye 600,000 fry
 1939 Smallmouth Bass 5,000 fry and 500 fingerling

Stress Type:

Use Type: Snowmobile Trail, Recreation, Recreational Fishing, Canoe Route, Tourism Based Industry

Summary of Fisheries Studies / Reports:

Township of Archipelago, 2001 **Water Quality and Aquatic Assessment** for Blackstone Lake – August 2000

- Recommends special fishing regulations to protect fish stocks.
- Recommends no further building lots nor road extensions.
- Recommends all residents practice a high level of lake stewardship on their property.

McIntyre, E. 1996 **Walleye (Spawning Adults) Index Netting Progress Report**

- Identifies a concern with walleye reproduction and recruitment.
- Existing harvest controls should remain in place pending future assessments.

OMNR, 1994 **Winter Creel 1994**

- Estimated C.U.E. for Walleye specie anglers – 0.076 /Ag-Hr
- Estimated C.U.E. for Lake trout specie anglers – 0.051 /Ag-Hr

Thurston, L., 1993 **Walleye Rehabilitation Chronological Events**

- 1974 60 cubic yards of rock rubble added to spawning beds below bridge.
- 1983 Junior Rangers added rock rubble to Blackstone Creek.
- 1989 121 tons of limestone rip-rap added to spawning beds.
- 1991 45 cubic yards of rip-rap deposited in Rat Creek.

Thurston, L., Pepper, R., Janoki, K., 1993 **Trapnet Survey**

- Walleye reproduction has been good.
- No Yellow Perch were captured.

Thurston, L. 1991 **Summary of Electrofishing Surveys 1987 – 1991**

- 24 surveys yielded seven 0+ walleye of which 4 were naturally reproduced.

Dillon Consulting Engineers & Planners, 1983 **Aquatic Habitat Survey** on the Northeast Shore

- Author concludes no impact on aquatic habitat will result from cottage development in the study area.

Rusk, M., 1975 **Blackstone Lake Spawning Grounds Improvement Project**

- Spawning area of 240 square feet was created.

Thurston, L., 1975 **Summer and Winter Creel Census** on Selected Lake Trout Lakes in the Parry Sound District

Management Prescription:

Special Regulations (See Current Recreational Fishing Regulation Summary)