



Ministry of  
Natural  
Resources

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## SMOOTHROCK LAKE

District of Thunder Bay

Unsurveyed Territory

### PHYSICAL DATA

LATITUDE	50° 30'	LONGITUDE	89° 30'
SURFACE AREA	24,276 acres	VOLUME	434,442 acre feet
HEIGHT ABOVE SEA LEVEL	1200 feet	PERIMETER	28.6 miles
MAXIMUM DEPTH	155 feet	MEAN DEPTH	17.9 feet

### HISTORICAL INFORMATION

The name "Smoothrock" is descriptive of the shoreline of the lake which is largely composed of open smooth rocks. There are Indian grave sites and relics all around the lake.

### LAKE CHARACTERISTICS

The lake was thermally stratified at the time of the survey. The surface temperature was 67°F while the bottom temperature was 41.5°F. The sixteen degree temperature drop (66°F to 50°F) between the twenty and thirty foot depths identified the thermocline, the water layer in which there was the most rapid decrease in temperature. The dissolved oxygen content ranged from 8.0 parts per million at the surface to 7.6 near the bottom. The mean 6.5 pH value showed an acidic characteristic in relation to the hydrogen ion composition in the water. A total dissolved solids concentration of 20 parts per million at the surface and 8 near the bottom were determined from conductivity readings. Clarity in this yellow-brown coloured water was indicated by the disappearance of the secchi disc from view, 10.5 feet below the water surface.

### FISH SPECIES PRESENT

Yellow pickerel, lake trout, northern pike, lake sturgeon, yellow perch, lake whitefish, lake herring, rock bass, white sucker, shorthead redhorse, longnose sucker, burbot, spottail shiner, trout perch and log perch.

### FISHING

Yellow pickerel are taken by trolling or casting with artificial lures in most areas of the lake. The lake trout angling pressure is light, and still fishing in the deeper basins in the summer has been rewarding. Trophy size northern pike inhabit the shallower bays.

### ACCESS AND FACILITIES

Smoothrock Lake is located approximately twenty air miles northwest of Armstrong, a division terminal on the main line of the Canadian National Railways. Armstrong is accessible by car from Thunder Bay via highway 800. Other than by aircraft, it can be reached via canoe and portage in summer and motorized snow vehicle in winter from Armstrong.

There is one tourist resort on the lake. Supplies and accommodation are also available at Armstrong.

SURVEY DATES  
JULY 8-27, 1972.

THE ABOVE INFORMATION IS VALID AS OF JULY, 1972.  
CONDITIONS ARE SUBJECT TO CHANGE.

COPIES OF THIS MAP ARE AVAILABLE AT LOCAL MINISTRY OF  
NATURAL RESOURCES OFFICES.

This map is NOT FOR USE IN NAVIGATION and is not to be digitized for use in navigational aids. This map does not reflect the current state of the water body and any inherent navigational hazards. This map is for information purposes only and we make no claims as to the accuracy of the data presented.

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