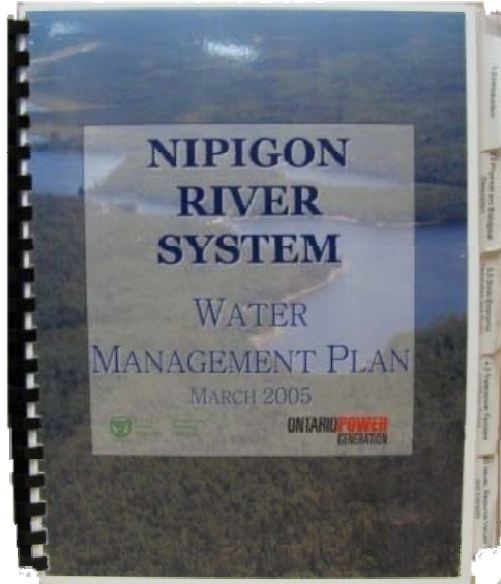


New Operating Plan and the Water Management Plan



The new Little Jackfish facilities are located within the Nipigon River System for which there is an existing Water Management Plan (WMP).

The WMP describes how all facilities within the system are to be operated in terms of water levels and flows.

Once the facilities are operational the existing WMP will need to be amended to include the new developments.

In accordance with MNR requirements, the Operating Plan will be prepared as a part of the Environmental Report in a manner that meets the intent of the water management planning process.

Early renewal of the WMP has been initiated and a water management planning team including representation of Aboriginal communities and the public has been formed.

The Operating Plan describing levels and flows for the Little Jackfish will be developed with consideration and input from these key parties.

An amendment to incorporate this operating plan into the WMP would be submitted when the facilities are in-service.



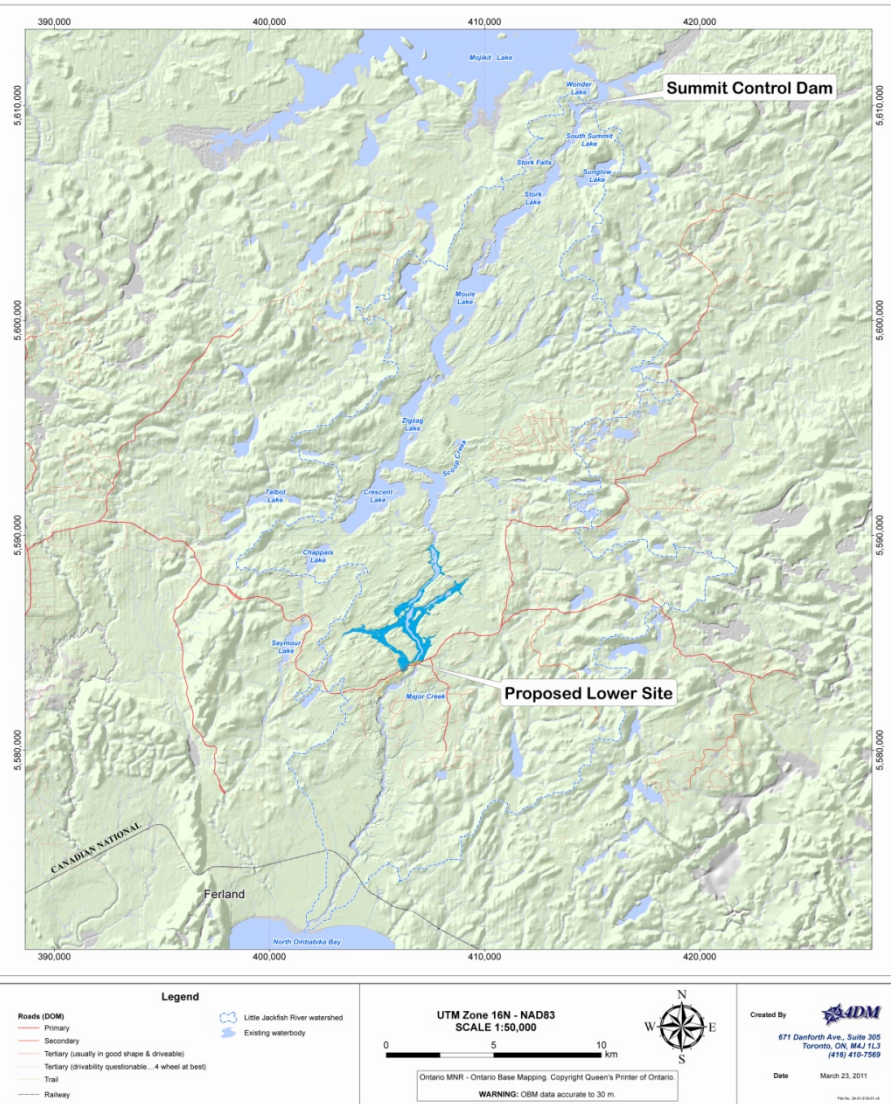
Operating Plan Components



Proposed Little Jackfish River Hydroelectric Development Project Study Area

The operating plan components focus on water levels and flows in the system such as:

- ▶ Water level within the Ogoki Reservoir
- ▶ Timing/magnitude of flow from Summit Dam down the river
- ▶ Water Levels for ZigZag Lake
- ▶ Minimum Flows
- ▶ Bypass reach flow between the dam and the powerhouse
- ▶ Overall system ramping rates
- ▶ Fish spawning flow/level ranges

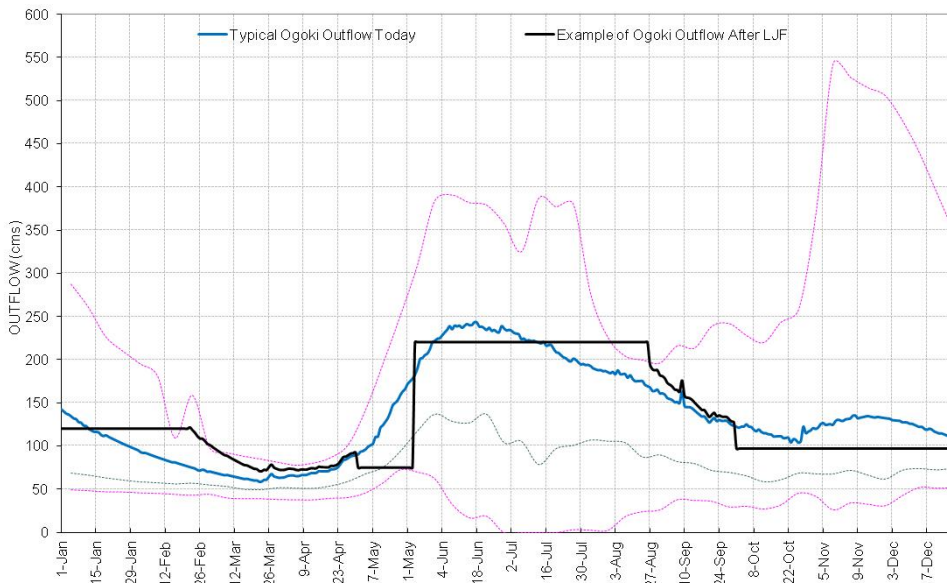
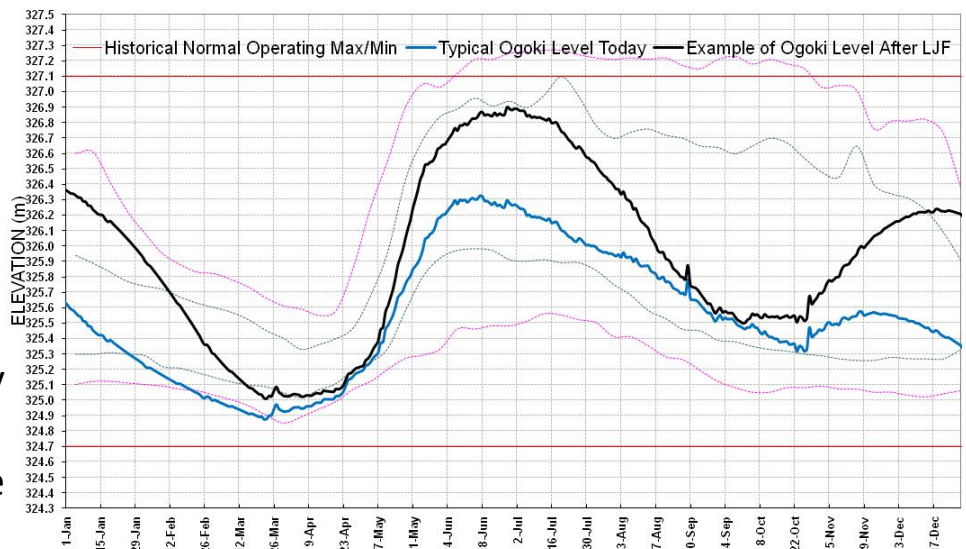


The overall intent of determining flows and levels for this operating plan will be to find an appropriate balance between the needs of the users of the system, the environment and power generation.

Operating Plan Components

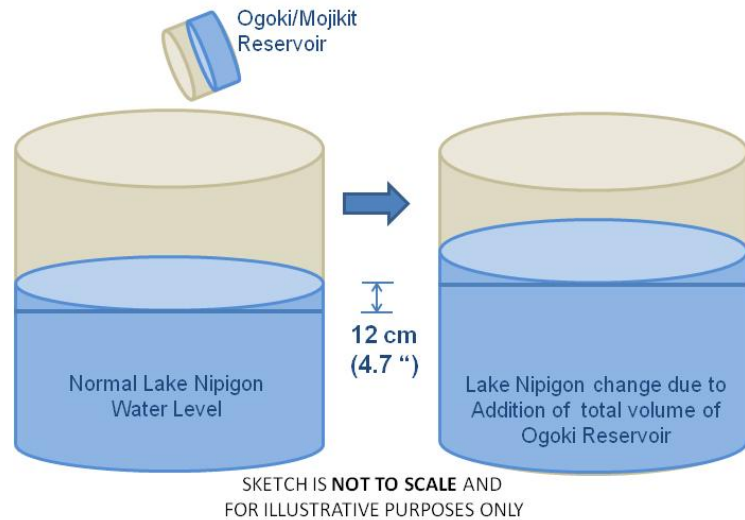
- ▶ The proposed operations for the LJF will be to “seasonally timeshift” water from low to high electrical demand seasons (from spring/fall to summer/winter), providing power during times when it is most required.
- ▶ As shown in the example below, the average level may generally be higher during the summer & winter than has typically occurred.

- ▶ The Ogoki Reservoir level will remain within the same level range as in the past.
- ▶ The level in early spring & fall will remain the same as in the past.



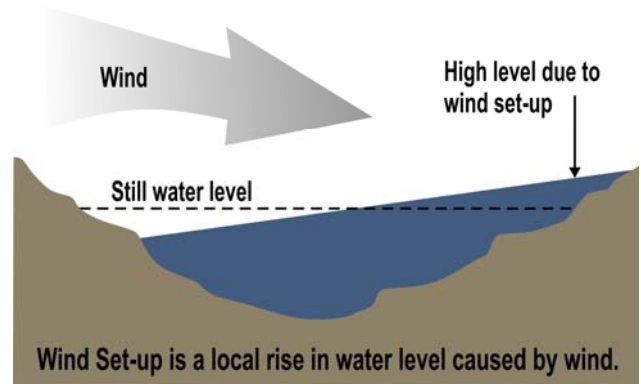
- ▶ Generally the summer & winter average river flow will be higher when compared to the past flows.
- ▶ The average river flow in the spring and fall will be lower.

Will Lake Nipigon Levels be Impacted?



- ▶ Ogoki Reservoir's volume is small compared Lake Nipigon, so it cannot greatly affect Lake Nipigon's level
- ▶ As an extreme example, Lake Nipigon would only rise by 12 cm (5 inches), if all available water in the Ogoki Reservoir were instantaneously lifted and dropped into Lake Nipigon.

- ▶ Wind set up affect can change Lake Nipigon by 10 cm (4 inches)
- ▶ The proposed facility on the Little Jackfish River will NOT SIGNIFICANTLY affect Lake Nipigon level. In fact the effect will be less than wind .



- ▶ As a result of seasonal time shifting on the Ogoki Reservoir, the Little Jackfish operations could affect Lake Nipigon water level by temporarily reducing Lake Nipigon's level in early summer/winter by a maximum of 5 to 8 cm (2 to 3 inches). Future Little Jackfish operations will not increase Lake Nipigon levels.
- ▶ At other times of the year, and in years with above average precipitation, there will be NO difference to Lake Nipigon level.