



## Anglin Lake Conditions through 2022

During the spring and summer, the water levels of Anglin Lake were within or above the normal range. As part of the construction project, the operating equipment for the stoplog handling system needed to be removed. Without the operating equipment, the Water Security Agency (WSA) was unable to remove or install stoplogs. The stoplogs were set at a lower level to prevent overtopping of the dam and to reduce the risk of flooding around the lake while the spillway was out of service, which could have happened if a large rain event occurred during the construction period. This resulted in the lake being unavoidably lower than the normal range for a period (nine centimetres).

On October 6, 2022, the operating equipment for Spruce River Dam was brought back into service and the stoplogs were installed to the normal winter settings. With the stop logs back in place, the lake will increase to normal winter levels. As of October 31, 2022, Anglin Lake is at 515.23 metres, or three centimetres, below the bottom of the normal range with the reservoir rising. Construction will continue this fall but will not impact WSA's ability to operate the dam.

Fish kill is an unfortunate reality for many Saskatchewan lakes, including Anglin. Winter fish kill events occur when oxygen levels become depleted. Many environmental factors influence the concentration of oxygen in the water in addition to lake elevation. These include

- thickness and duration of ice and snow cover and
- productivity of the lake and quantity of oxygen in the water at the time of freezing.

Now that the spillway is again operational, Anglin Lake's elevation will be maintained within its normal operating range. Lake elevation is not expected to have an impact on the fishery or other components of the environment.

The Anglin Pump Station that pumps water from Anglin Lake to Emma and Christopher lakes was operationally ready throughout 2022's pumping season. No pumping occurring during the summer of 2022 as Emma and Christopher lakes remained in the desirable range. This winter, WSA is planning on rebuilding the pump and motor to ensure continued operational ability into the future. This rebuild is expected to occur from November through February. No impact on WSA's ability to pump in 2023 is expected.

For more information, please contact Spencer McNie, Infrastructure Supervisor, at 306.490.7078.