



GOOSE LAKE ASSOCIATION

To All,

We have made a few changes to the Beaver Lake Dam. The reason for these changes was to bring our dam to as close to as designed status as possible and to minimize the amount of interaction with level adjustments. The dam had a metal plate bolted to the front face of the dam that was used to correct for the concrete not being at the proper level. The plate was in some areas below the top of the concrete and in others as much as about one and a half inches above the top of the concrete. This plate has been cut off. The dam now will maintain level as designed at 534.35' instead of about 534.50'. I would prefer that the concrete level be exactly even at 534.50' all the way across as the construction blueprints called for but since it is about an inch low the plate was a good idea to correct the level error in the concrete but it also obstructed the designed flow of water over the dam.

The sluice plate will still be used as it was before. The plate is removed in the winter and is removed during the summer to keep Beaver Lake level from going excessively high. I don't know that high water will be a problem this year but we have to put in place plans for both high and low water levels.

The overflow from Beaver to Goose Lake has been modified. The overflow was higher than dam height and therefore was not allowing Goose Lake to receive any excess water. The overflow now has been lowered to 534' to correspond with the height of the bottom of the sluice gate and will be at this level during the winter months. This will mean that in the winter if Beaver Lake is overflowing through the sluice gate that there will also be some water flowing through the overflow to Goose Lake. When the sluice plate is in during the summer there is an extension collar that will be installed in the overflow that corresponds to 534.35' the top of the dam. This means that in the summer if Beaver Lake is overflowing the top of the dam that there will also be some water flowing through the overflow to Goose Lake. This is a relatively small overflow pipe and is not going to largely impact the dam overflow volume and will not quickly be able to change Goose Lake level. Instead, it is designed for long term slow maintenance of Goose Lake level. We have seen in past years that Beaver Lake will overflow a small amount all winter and maintain a constant 534.00' while Goose Lake drops in level all winter. This now will allow some of that Beaver Lake overflow to go to Goose Lake.

The lake levels are ultimately controlled by Mother Nature but the minor changes we have made should help us to keep the lakes in our ideal band. All of these changes and the operation and maintenance of the dam have been approved by the state IDNR before anything was done. I have included the current Operational Plan below.

Thanks,
Brian Johnson
GLA President