

**OAKLAND COUNTY
WATER RESOURCES COMMISSIONER****MEMORANDUM**

TO: FILE

FROM: Ryan Woloszyk, P.E., Civil Engineer III

SUBJECT: RE: Resolution 20196-2022 Report on Lake Level Control Structures

DATE: September 12, 2023

In Response to resolution 20196 WRC Staff have prepared an additional memorandum to add to the report dated November 2020 that was submitted to the board of Commissioners on November 24, 2020, as there were minimal changes to the 2020 report or the 2021 Memorandum on the lake level control structures. Since the initial report the following dams have had inspection or projects initiated on them in 2022-

Clarkston Dam (240)- The Riparian's along with the City of Clarkston has approached WRC seeking assistance with the replacement of the aging dam. With WRC's assistance we have received a grant from EGLE to complete a lake level study along with 70% plans for a new dam. WRC Staff will work with the city and consultant to complete the study and design of the lake with the intent of petitioning the BOC for an official lake level operated by WRC.

Davisburg Trout Pond Dam (693)- This dam was inspected in 2021 by the state of Michigan and was not given a condition as it is slated for removal in 2022. This structure should be monitored until the removal project is complete. At that point it will be removed from the data base.

Lake Sherwood Dam (615)- Was inspected in July 2021 by OHM and was listed in Satisfactory condition. This structure is due for another inspection in 2025. The primary recommendations were to monitor existing cracking and the sheet pile wall. In addition to this, the removal of some brush and shrubs on the downstream slope was recommended. As this structure is significant hazard the owners should be providing updated Emergency Action Plans to EGLE, the county, and Local Community.

Ford #3 Dam (248)- Was inspected in November 2021 by the State and was listed in Satisfactory condition. This structure is due for another inspection in 2025. The recommendations of note were minor monitoring operations, the removal of some trees on the slope, and vegetation restoration on the slopes. As this structure is significant hazard the owners should be providing updated Emergency Action Plans to EGLE, the county, and Local Community.

Huron Dam (692)- Was inspected in November 2021 by the State and was listed in fair condition. This structure is due for another inspection in 2024. The only recommendations were of note were minor monitoring operations, CCTV of the primary outlet, repair of the drawdown gates and the removal of some trees on the slope. As this structure is high hazard the owners should be providing updated Emergency Action Plans to EGLE, the county, and Local Community.

Quarton Dam (267)- Was inspected in November 2021 by the State and was listed in satisfactory condition. This structure is due for another inspection in 2025. The only recommendations were of note were minor monitoring operations and the removal of some trees on the slope. As this structure is significant hazard the owners should be providing updated Emergency Action Plans to EGLE, the county, and Local Community.

Wildwood Lake Dam (276)- Was inspected in November 2021 by the state and was listed in satisfactory condition. This structure is due for another inspection in 2024. The only recommendations were of note were minor monitoring operations, CCTV of the outlet pipe, and the removal of some trees on the slope. As this structure is high hazard the owners should be providing updated Emergency Action Plans to EGLE, the county, and Local Community.

Vhay Lake Dam (783) This dam was not inspected in 2021, however, the residents on this lake have submitted a petition to WRC for a legal lake level. WRC will be working toward the creation of a legal lake level for this lake. This structure is listed in poor condition and WRC will begin replacement plans as soon as we have ownership.

All of the WRC structures were inspected in 2022 as all structures are scheduled to be inspected again in 2022. There were no major changes to the dams under the jurisdiction of WRC. Starting in 2023 WRC will begin visual inspection of non-regulated dams around the county that were inspected as part of the original report.

Below is the list of dams without inspections or late inspections. Not any highlighted dams have been inspected and reports submitted to the state. WRC Will continue to attempt to work with owners and EGLE to get the dams inspected.