

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

TO: FILE

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

SUBJECT: RE: Resolution 20196-2021 Report on Lake Level Control Structures

DATE: September 8, 2023

In Response to resolution 20196 WRC Staff have prepared a 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 on the lake level control structures. Since the initial report the following dams have had inspection or projects initiated on them in 2021-

Clarkston Dam (240)- Was inspected in September 2020. The dam was listed in satisfactory condition and should be inspected again in 2023. The only repairs noted were minor areas of concrete spading on the inlet structure.

Lake Orion Dam (259)- This dam was inspected in 2020 by the state of Michigan and was listed in satisfactory condition. This structure is due for another inspection in 2024 of note on this structure the EAP should be updated in coordination with Oakland County Emergency Management along with continued efforts to remove the trees from the embankment.

Seven Lake Addition Dam (448)- Was inspected in October 2020 by the State and was listed in fair condition. This structure is due for another inspection in 2025. The only recommendations were minor monitoring operations and the removal of some trees on the slope.

Upper Trout Lake Dam (682)- Was inspected in October 2020 by the State and was listed in fair condition. This structure is due for another inspection in 2025. The only recommendations of note were minor monitoring operations and the removal of some trees on the slope.

Lower Trout Lake Dam (683)- Was inspected in October 2020 by the State and was listed in fair 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.

Haven Hill Lake Dam (696)- Was inspected in October 2020 by the State and was listed in poor condition. This structure is due for another inspection in 2025. The recommendations were note were submission of repair plans to the state by March 2021. Additionally, there was recommendations for monitoring operations and the removal of some trees on the slope.

Duck Lake Dam (698)- Was inspected in September 2020 by OHM and was listed in fair 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.

McGinnis Lake Dam (1681)- Was inspected in October 2020 by the State and was listed in fair 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.

No WRC structures were inspected in 2021 as all structures are scheduled to be inspected in 2022.

In addition to the inspections WRC staff located the final structures from the EGLE Data Base and gave them a basic visual inspection. From the database there were 14 total lake level control structures that no longer are in existence and WRC has requested them removed from the data base.

Below is the list of dams without inspections or late inspections. Not any highlighted dams have been inspected and reports submitted to the state.

Structures with No Reports or Past Due Reports

EGLE ID	Name	Hazard Classification	Ownership	Date of last Inspection
240	Clarkston Dam	High	Private	09-Sep-2020
247	Erity Dam	Low	CVT	25-Sep-12
259	Lake Orion Dam	Significant	CVT	29-Jul-16
264	Perrysville Dam	Low	Private	01-May-96
273	Spring Lake Dam	Low	Private	
277	Winkler Pond Dam	Significant	Private	09-Sep-16
448	Seven Lakes Addition Dam	Low	State	07-May-15
684	Endicott Lake Dam	Significant	Private	15-Apr-08*
758	Renchik Dam	Low	Private	
968	Petrauskas Pond Dam	Low	Private	
1667	Cranbrook Lake Dam	Low	Private	05-Dec-96
1669	Farmington Venture Detention Pond Dam	Low	Private	04-Dec-97
1674	Heather Lake Dam	Low	Private	22-Jul-78
1676	Lake Charnwood Dam	Low	Private	01-Nov-12
1679	Lower Hatchery Dams	Low	CVT	16-Aug-89
1686	Meadow Lake Dam	Low	Private	06-Sep-00
1707	Secord Lake Dam	Low	Private	
1710	Lake Araho Dam	Low	Private	
1717	Tull Lake Dam	Low	Private	
1971	Pettibone Pond Dam	Low	State	13-Sep-00
2120	Proud Lake Dam	Low	State	13-Sep-00
2472	Troy Lakes Estates Dam	Low	Private	
2580	Pebble Creek Detention Basin Dam	Low	CVT	

* Note Endicott Lake Dam was rebuilt in 2019.