

# 2023 Newman Lake Flood Control Zone District Activities Update since July 2022

---

## Administrative

- December 2022: Dave Martin was selected to be the newest Advisory Board Member. His term began on January 1, 2023.
- February 14: Submitted the 2022 State of the Lake Report to the Department of Ecology, which can be found on the Newman Lake website

## Financials

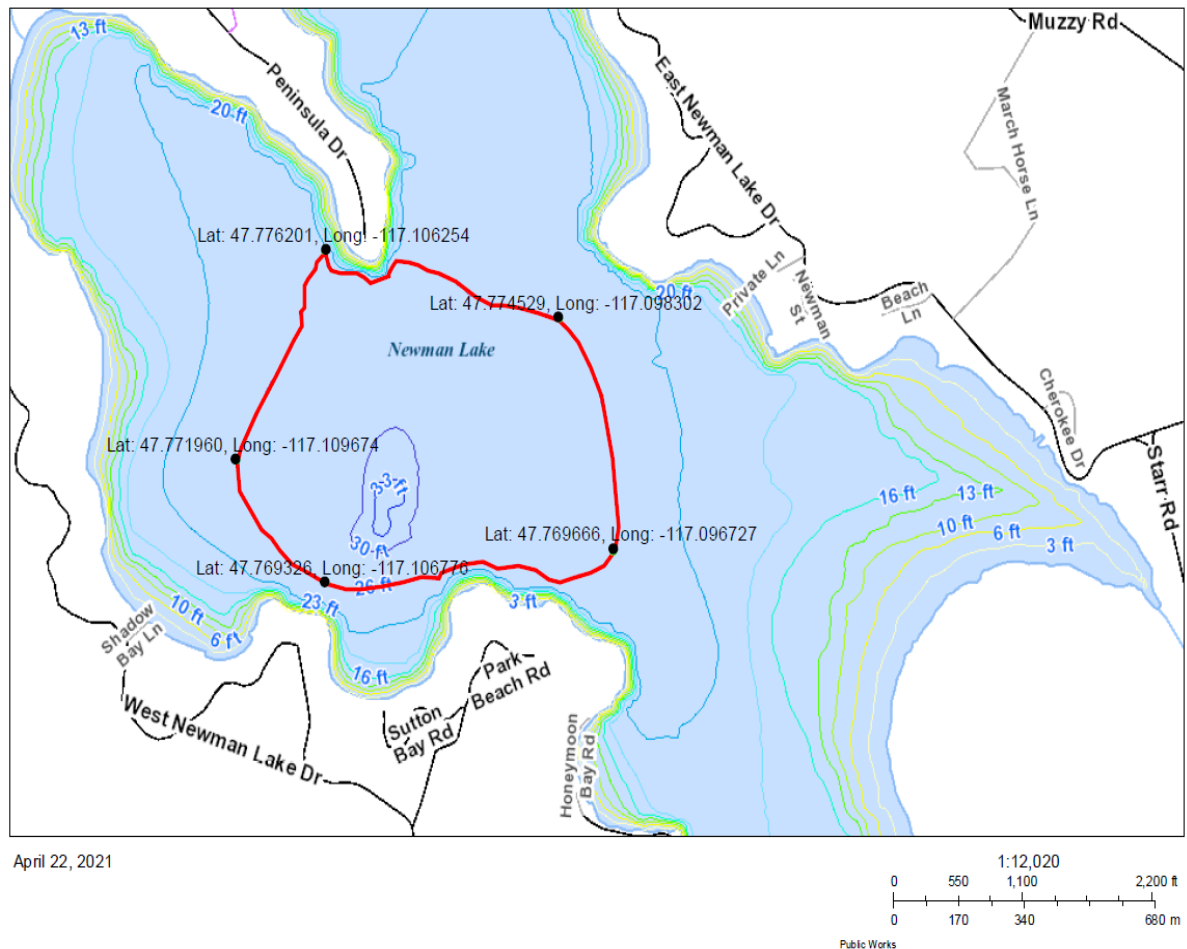
- **Board of Appraisers for Flood Control Zone District Assessments**
  - September 27: The Board of County Commissioners approved the recommendations by the Board of Appraisers (Resolution 22-0642)
- **Assessment Roll**
  - December 13: The Board of County Commissioners approved the 2023 District Assessment Roll (Resolution 22-0739A)

## Water Quality

- **Capital Grant Improvements – funded by Washington State Capital Budget – On-going**
  - The proposed project included a new AirSEP, air compressor, and air dryer
  - Out to bid in July 2022 - Received one bid, which was rejected because they could not meet our timeline
  - The expectation is to use funds for flood control facility improvements and additional water quality infrastructure once funds are reappropriated by the State Legislature for July 2023
- **American Rescue Plan Act Funding – Newman Lake Water Quality Improvement Project**
  - At the end of 2022, District staff decided to pursue a full lake analysis to determine if the initial plan to replace the in-lake systems with a similar concept would achieve the ultimate goal of algae reduction through phosphorus mitigation. The intention is to ensure that the available funds are spent with the utmost care, to provide the District with the greatest chance for a successful water quality improvement project.
  - February 8: Request for Qualifications (RFQ) was published, with a deadline of March 1
  - March 7: Interviews were held with a selection committee comprised of County staff and two Advisory Board members
  - The committee selected Jacobs Engineering to perform the analysis and make recommendations. The selection was approved by the Board of County Commissioners on March 28.
  - County Staff is currently working with Jacobs to determine the final scope & budget for the study plan in 2023. The plan for this summer includes:
    - Sampling water quality every two weeks, with an expanded list of analytes than previous years.
    - A fisheries analysis dedicated to evaluating the Carp population, as they may play a key role in preventing the success of any water quality improvement efforts.
    - Installation of water quality sensors that will continuously measure 10 parameters. Using telemetry we can monitor data in real time.
  - There will be public meetings to convey plans, results, and solicit feedback throughout this process. County Staff will ensure the members of the Newman Lake community are kept up to date on all activities and have ample opportunities to provide input.
- **Algae – Toxicity Sampling in 2022**
  - October 2: The first sample was taken and submitted to the King County Lab.

- October 3: Toxic algae measured at the public boat launch, 30 ug/L, exceeding the WA DOH toxicity threshold for microcystin of 8 ug/L. Warning signs were posted at public access points. Required to test for two additional weeks, and until results were below the toxicity threshold.
- October 11: A sample was taken at the public boat launch was below toxicity threshold.
- October 19: A sample was taken at the public boat launch was below toxicity threshold. Warning signs were taken down.
- **Water Quality Sampling Dates in 2022**
  - 8/11, 9/01, 9/15, 9/29, & 10/13 were the final five sampling events for a total of thirteen in 2022.
- **Alum Treatment:** Occurred between 5/9/23-5/11/23 and was conducted by Aquatechnex. 33,000 gallons of liquid Alum was sprayed by two barges over approximately 130 acres of the lake. Treatment area is seen below outlined in red.

Newman Lake Alum Treatment Area Map



- **Oxygenation System:** Start up on 5/16/2023 – Running one compressor & Air Sep again.

## Flood Control

- **Facilities Inspection**
  - October 5, 2022: Performed facilities inspection and completed the report which can be viewed on the Newman Lake website.
- **Dike Management**
  - January 25, 2023: County staff met with NRCS to gain an understanding of this process and determine the next steps. We anticipate a survey of the dike to occur in 2023 to measure crest subsidence since the last survey.

- **Lake Level:**

