



Staff Report

September 7, 2021 Council Workshop Meeting

Lake Management Plan - Quality Assurance Project Plan

Presenter: Steve Wall, Public Works Director

Time Estimate: 10 minutes

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BACKGROUND: The City entered into a professional services agreement with Geosyntec Consultants in May 2021 to assist the City in completing what has been referred to as “Phase 1” of a larger project to complete a Lake Cyanobacteria Management Plan (aka Lake Management Plan) for Lacamas, Round and Fallen Leaf Lakes. Phase 1 is intended to:

- Review background data to understand lake water quality and data gaps.
- Identify short-term actions to improve lake water quality.
- Identify funding and volunteer actions to improve lake water quality.
- Talk with stakeholders to understand concerns about the lakes.
- Plan how we’ll do the work of creating the actual Lake Management Plan.

Phase 1 is nearing completion. The next Phase of the work that has been identified through the current efforts is to develop a Quality Assurance Project Plan (QAPP). Development of the QAPP was originally anticipated to be completed with the “Field Data Collection and Analysis” shown below in Phase 2 of Figure 1; however, information obtain in the Phase 1 work efforts have pushed the project team into moving forward on the QAPP prior to starting work anticipated with the rest of Phase 2.

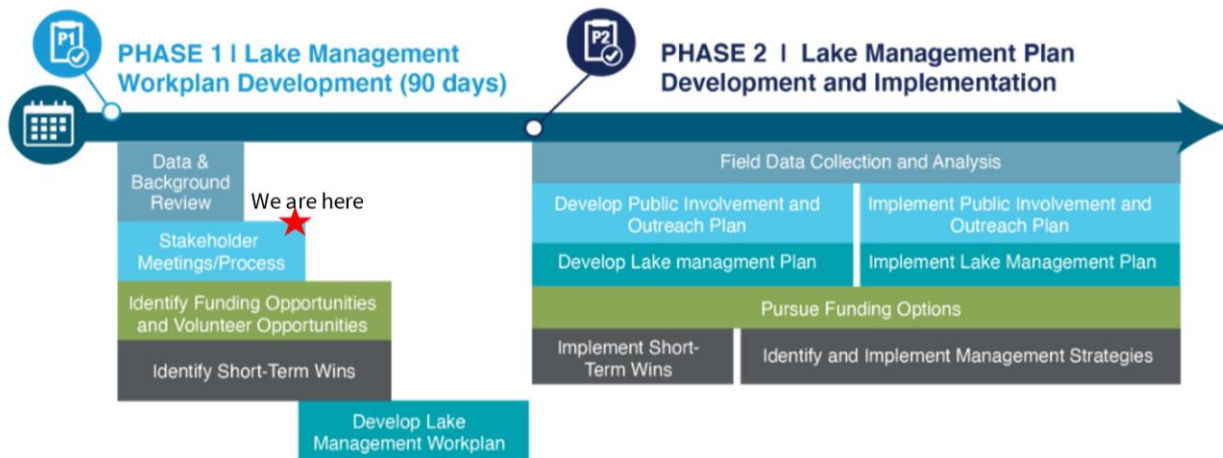


Figure 1: Lake Management Plan Development Phases

SUMMARY: The QAPP, as identified by the Department of Ecology, *"is intended to ensure that projects which collect or analyze environmental data develop plans for field, laboratory, and analytical activities that meet quality standards appropriate to the goals and scope of the project."* Prior to collecting or analyzing any data to be used in the Lake Management Plan (LMP), the City is required to develop a QAPP that will identify *"exactly what needs to be accomplished, when and how it will be done, and by whom"*. The QAPP is required to be reviewed and approved by the Department of Ecology prior to any sampling or monitoring work being completed.

Staff has worked with Geosyntec to develop the attached Scope of Work to complete a QAPP for development of an LMP. As discussed above, originally, development of the QAPP was anticipated to be completed with development of the LMP in Phase 2; however, after discussing the timelines with Ecology, staff and the consultant team are proposing to get started on the QAPP as soon as possible. Ecology staff have indicated it may take two to three months to get through their review, which doesn't start until the City's team gets a completed draft prepared. After Ecology's review, the project team anticipates additional time to make any necessary revisions and get the final document approved by Ecology.

As an additional item of interest, the project team is also working on developing the Scope of Work for the full Phase 2 effort. The scope of work for development of the LMP will be a separate, third contract amendment with Geosyntec Consultants that will be presented to Council later this fall.

EQUITY CONSIDERATIONS:

What are the desired results and outcomes for this agenda item?

- Provide information to Council regarding the level of effort and requirement needed to complete a Quality Assurance Project Plan (QAPP) associated with development of a Lake Management Plan (LMP) for Lacamas, Round and Fallen Leaf lakes.

What's the data? What does the data tell us?

- The City must complete a QAPP and have it reviewed and approved prior to collecting any data that will be used in development of an LMP.

How have communities been engaged? Are there opportunities to expand engagement?

- There are extensive community outreach efforts and opportunities during both Phase 1 and Phase 2 that are included in the City's workplan. Phase 1 has included initial outreach to potential stakeholders and a brief electronic survey. Phase 2 will include development of a full Public Involvement and Outreach Plan and significant public input.

Who will benefit from, or be burdened by this agenda item?

- N/A

What are the strategies to mitigate any unintended consequences?

- N/A

Does this agenda item have a differential impact on underserved populations, people living with disabilities, and/or communities of color? Please provide available data to illustrate this impact.

- N/A

Will this agenda item improve ADA accessibilities for people with disabilities?

- N/A

What potential hurdles exist in implementing this proposal (include both operational and political)?

- Though not a significant hurdle, based on past experience it may take significant time working with Ecology to meet all requirements of a QAPP and get it reviewed and approved by Ecology.

How will you ensure accountabilities, communicate, and evaluate results?

- The QAPP will identify how the project will ensure accountability, communicate and evaluate the technical results from the sampling, testing and monitoring that gets completed. Additionally, the City's Freshwater Algae Control Program grant funding is contingent on the City completing a QAPP.

How does this item support a comprehensive plan goal, policy or other adopted resolution?

- This item supports environmental and recreational goals and policies with the City's adopted Comprehensive Plan and adopted Parks, Recreation and Open Space Plan. Additionally, the development of an LMP supports the direction provided by Council in Resolution No. 20-016.

BUDGET IMPACT: The QAPP is estimated to cost approximately \$22,700 total, including meetings with Ecology and reasonable revisions that may be necessary after the Department of Ecology's review of the draft document.

The Phase 1 contract signed with Geosyntec Consultants includes a \$7,000 Contingency Task to collect data from the three lakes over the summer months. Since a QAPP is required to be completed prior to collecting any data, staff is proposing to use the Contingency Task to begin development of the QAPP. The remainder of the funds required to complete the work (\$15,700)

are eligible for and are anticipated to come from a portion of the \$50,000 Freshwater Algae Control Program grant funds received for the Project.

RECOMMENDATION: This item is for Council's information only. Staff is recommending the Professional Services Contract Amendment with Geosyntec Consultants be included on the October 4, 2021 Consent Agenda for Council's consideration.