



## Snohomish County Council

**Committee:** Operations

**Analyst:** Yorik Stevens-Wajda

**ECAF:** 7 1226

**Proposal:** Proposed Motion 21-106

**Date:** March 26, 2021

### Consideration

Motion 21-106 would approve and authorize the executive to sign a professional services agreement with HAB Aquatic Solutions, LLC for Lake Ketchum Alum Treatment services.

### Background

Lake Ketchum is a 25-acre public lake two miles north of Stanwood. The lake suffers from extremely high levels of phosphorus pollution primarily originating from a former dairy farm in the lake's watershed. The lake is listed on the state "303(d)" [impaired waters list](#) due to the pollution levels, which triggered a water cleanup plan.

Snohomish County prepared a cleanup plan in 2012 ([Lake Ketchum Algae Control Plan](#)), which recommends whole-lake sediment inactivation together with annual water column alum treatments. These treatments would address the internal phosphorus and the primary external source of phosphorus from the lake inlet, which continues to convey legacy runoff from the defunct dairy farm. The county began implementing the plan in 2014 and has been conducting small annual alum treatments since 2016.

### Current Proposal

Snohomish County Surface Water Management staff issued a request for proposals (RFP-004-20BC) for alum treatment services and received two bids. The county selected HAB Aquatic Solutions, LLC and negotiated the contract attached to the proposed motion.

*Scope:* Specifics are defined in Schedule A of the contract (pages 17-23 of the ECAF packet). In general, the scope includes three annual alum treatments, between mid-March and mid-April of 2021, 2022, and 2023.

*Duration:* The contract duration is upon execution through December 31, 2023, with an option for up to two one-year extensions at the sole discretion of the county.

*Finance:* The contract includes three annual lump sum payments totaling \$101,863. Payments for 2022 and 2023 are subject to legislative appropriation. Appropriation authority is provided in the 2021 budget in DAC 415.50651144101 (Surface Water Management Operations-Professional Services). Payments beyond 2021 are subject to availability of appropriation authority.

Revenue sources for the alum treatments include Surface Water Management utility charges (~35%) and a special assessment on Lake Ketchum residents (~65%). The annual portion from Lake Ketchum residents include an estimated \$17,920 collected through a Surface Water Management service charge (SCC 25.20.055) and an additional \$1,820 payment from the Ketchum Shores Improvement Club.

**Handling:** Expedite. The treatment is most effective in early April (after winter rains but before summer stratification of the lake into temperature layers) and cannot begin until the contract is executed.

**Executive Recommendation:** Yes

**Approved-as-to-form:** Yes

**Risk Management:** Yes