

EXHIBIT E

**Addendum: Biological Evaluation and Essential Fish Habitat
Assessment, and Mitigation Plan**

(February 12, 2021)

Date: February 12, 2021
To: Marla Powers, City of Poulsbo
From: John Piccone, P.E., Soundwest Engineering Assoc.
Amy Leitman, Marine Survey & Assessments.
Subject: Port response to Biologist of Record Documentation

This document serves as an addendum to the Port of Poulsbo Breakwater Replacement Project Biological Evaluation, dated June 2020 (Revised October 2020), and Mitigation Plan, dated June 2020 (Revised October 2020).

The purpose of this addendum is to provide documentation in compliance with PMC 16.20.720 which requires that, *"Any special report as described in this section prepared by a professional (as described in Section 100 of this chapter) shall include his or her resume, or other list of qualifications, to aid the director in assessing these qualifications. (Ord. 2017-10 § 2 (Exh. A (part)), 2017: Ord. 2007-24 § 2 (part), 2007)"*.

The Biologist of Record for the Port of Poulsbo Breakwater Replacement Project is Ms. Amy Leitman with Marine Surveys & Assessments (MSA) (see qualifications enclosed). Ms. Leitman provided biological input and review of the project Biological Evaluation, dated June 2020 (Revised October 2020), and Mitigation Plan, dated June 2020 (Revised October 2020) submittal to the City of Poulsbo for Shoreline Permit review.

Engineering-specific information in these documents, such as proposed project description and material quantities, were provided by Soundwest Engineering Associates. Biologically-related content was first drafted by Grette & Associates during the conceptual design and planning stages of the project however, the Port elected to discontinue using Grette & Associates post conceptual design. MSA replaced Grette & Associates as the project biologist through design development of the project and final permit submittals. MSA also conducted the submerged aquatic vegetation survey. The Grette & Associates draft was used as a reference in preparation of the final submitted documents and some components of that draft remained unchanged.

Sincerely,

John Piccone

John Piccone, P.E.,
Soundwest Engineering Associates
jpicone@soundwesteng.com
(360) 337-0029



Amy Leitman,
Marine Surveys & Assessments
amy@marinesurveysandassessments.com
(360) 385-4073

STAFF PROFILE



Education

- Master of Science, Marine Biology, Moss Landing Marine Laboratories, CA
- Bachelor of Science, Animal Science, Zoology, University of Rhode Island, RI
- Technical Fisheries Training Program (1981) University of Oklahoma
- Forage Fish Spawning Analysis training (2016) WA Dept. Fish & Wildlife
- Wetland Science Training and Delineation
- Tree and Shrub Identification for Western WA Puget Lowland Habitats

Professional Registration

Dive Training

- NAUI Basic Dive Certification
- PADI Research Dive Certification
- California Surface Supplied Air
- DAN O₂ Certification
- WA State Certified Eelgrass, Macroalgae and Geoduck Surveyor

Professional Association

- National Shellfisheries Association
- Pacific Coast Shellfish Growers Association
- Pacific Estuarine Research Society
- Wild Olympic Salmon/ North Olympic Salmon Coalition
- Northwest Algal Symposium
- Western Society of Naturalists
- Land Trust

Amy Leitman

M.Sc. Marine Biology – Aquaculture Sciences

Founder, Lead Marine Biologist & Project Manager

Biography

Amy is a senior marine biologist and scientific SCUBA diver specializing in nearshore biological analytical work. Previously, she was a shellfish biologist for the Jamestown S’Klallam Tribe in addition to working for the Washington Department of Fish and Wildlife for four years as a subtidal shellfish biologist and manager. She is experienced in all aspects of waterfront and municipal projects from feasibility analysis to planning, permitting, biological monitoring, best management design, and mitigation plans and reports. Amy’s nearshore experience includes commercial and port facilities, marinas, city and county jurisdictions, navy surveys and biological assistance. Amy is also trained in basic wetland delineation. She has been the project manager on numerous waterfront projects and the lead biological consultant providing cost effective solutions to difficult biological constraints for over 22 years. She has worked with many state and federal agencies to help design and finalize many of the biological requirements used to date.

Previous Project Summaries

Mariners Cove Dredging, Biological Evaluation, Eelgrass Management, Mitigation, and Monitoring. Whidbey Island, WA. 2018 - present

Mariners Cove is a residential community located on the shores of Puget Sound. This community marina needs to be periodically dredged to maintain access and use for its members. In the time between maintenance dredges native eelgrass colonizes areas within the marina. Eelgrass (*Zostera marina*) is considered a saltwater habitat of special concern in Washington State, so a Management and Mitigation Plan has been developed and implemented, including restoration of eelgrass habitat after dredging. The annual monitoring report also includes a statistical analysis assessing success and recovery of eelgrass between each monitoring year. In addition to eelgrass management, sediment chemistry is sampled to determine where the dredged material is proposed to be placed post-dredging. Future surveys may be needed for placement of dredge spoils on the beach, upland or in approved deep-water sites.

North Beach Outfall Replacement, Port Townsend, WA. 2019 - present

Marine Surveys & Assessments Cooperative partnered with Jacobs Engineering on an outfall replacement project for the City of Port Townsend at North Beach Park. MSAC conducted a Submerged Aquatic Vegetation (SAV) Survey for quantitative density data. The SAV, along with GIS and data analysis, were used to determine where the new outfall pipe should be placed to have the least amount of environmental impact on the native beds of eelgrass and submerged aquatic vegetation. Additional subtidal surveys were done in the precise location where the action is to take place. Eelgrass, kelp and surf grass transplantation surveys were done, and a Habitat Mitigation and Monitoring Plan was developed to ascribe the least temporal and most successful transplant methodologies to return the impacted site to its previous condition.

Port Gamble FLUPSY and Point Julia Boat Ramp Projects. Port Gamble, WA. 2015 - 2019

These projects involved the installation of a floating upweller system/shellfish nursery and boat ramps, as well as several support components in Port Gamble Bay. This project was especially complex as part of it occurred on a sovereign tribal reservation and involved many auxiliary processes (utility permitting, USGC signage, etc.). MSAC was the project manager and coordinated all project activities including bidding, assembling subcontractors, management and oversight of various surveys (bathymetry and land), lead scientific diver for eelgrass survey, coordination and facilitation of project meetings, communication and negotiation with client and stakeholders (regulators), permitting, and report writing.