To: Sharon Rice, Hearing Examiner

From: Tonni Johnston, Thurston County Citizen

RE: Opposition to Project 2022103702

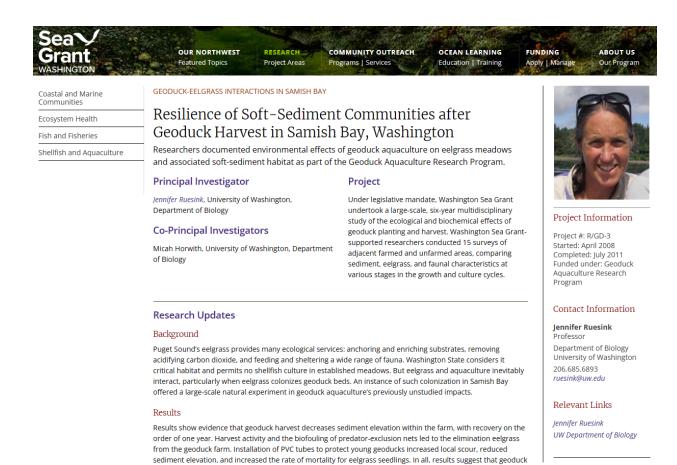
- Project 2022103702 should not be placed adjacent to the unstable slope and recent landslide on Johnson Point.
- Project 2022103702 should not be allowed where there are rooted grasses and attached macroalgae such as kelp.

As your decision whether to allow this project weighs in the balance, I wish to submit information concerning the slope stability and recent landslide at properties adjoining the proposed Mazanti/Taylor Geoduck farm in Thurston County and to express my opinion that disturbing the rooted grasses and attached macroalgae such as kelp at that site would bring a net loss of ecologic function which is not allowed in our SMP.

The following state of Washington map denotes one slide along an unstable bluff on Johnson Point in Thurston County. It is marked in red. If viewed in black and white, the recent slide is adjacent to the proposed geoduck farm at Johnson Point Loop (Coastal Atlas - Map (wa.gov)).



It stands to reason that protecting the shore plays an essential role in protecting the slope. Beach scour is an erosion of the substrate at the base of the shore. Anything that might contribute to beach scouring should be avoided in sensitive areas. Sea Grant findings (Resilience of Soft-Sediment Communities after Geoduck Harvest in Samish Bay, Washington – Washington Sea Grant) confirm that geoduck aquaculture increases beach scouring (note the last two sentences of this page of the report).



Below are two December 29, 2023 photos from the location in question at beach level to help prove that the unstable slope here with recent slides is an inappropriate placement for adjacent commercial geoduck aquaculture.

aquaculture decreases organic content of sediment within the farm; sediment loss was greater around the PVC tubes, possibly suggesting increased scouring. Eelgrass began recolonizing the farm one year after net removal.







Additionally, in the photo above (which includes Mr. David Hall's pilings which mark a near-center point in the proposed project), we see debris which would be beneficial to leave to help shore up the cliff and mitigate water flow, even though it would be in the way of any shellfish farmer. For no net loss of ecologic function, according to our SMP, all the material should remain undisturbed by people.

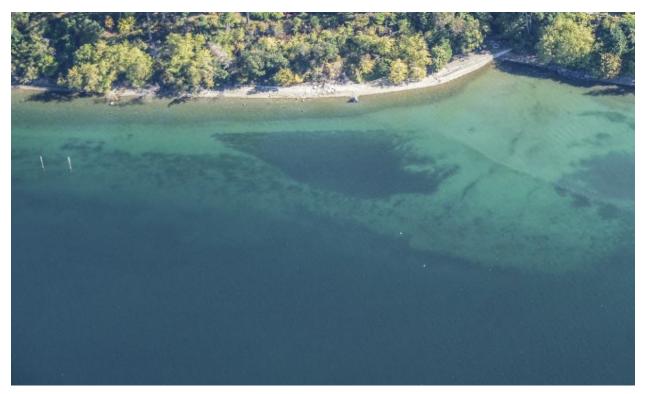
Let us also consider what grows on the nearshore beach here. I believe a natural buffer in the form of kelp beds exists in the vicinity for which no protection from the proposed geoduck farm has been granted. Kelp and eelgrasses are known to help prevent beach erosion, besides providing many other benefits.

Supposedly there is no eelgrass here, but how can we be sure when the person doing the audit is an employee of the company who stands to lose the project if even one blade is found? The audit is undeniably sloppy in that the photos describe north as they point south and vice versa.

It has been documented that there is a lot of macroalgae in the vicinity including costaria costada and desmarestia. Several of these are kelp which we are told has protections, yet there is no kelp study included to learn from.

The county photo below indicates a lot of seagrass and/or attached kelp in the area (please note David Hall's famous pilings for reference), though I do not personally know what kind. A

thorough, skilled, comprehensive, unbiased study should tell us, which would be a starting place to determine ecologic functions and whether the proposed permit would bring net loss of ecologic function.



Tonni Johnston's credentials include that she is a

Henderson Inlet and Johnson Point Resident at 9105 Otis Beach St NE, Olympia, WA 98516.

Her BMUS degree is from WWU. Her MA degree is from UW. She taught in our public schools for 30 years. She is a member of SPSCC Orchestra. She is a past board member of NTEF and currently serves on ProtectHendersonInlet.org. She can be contacted at tgjohnston80@gmail.com