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Swinomish Indian Tribal Community

A Federally Recognized Indian Tribe Organized Pursuant to 25 U.S.C. § 476
* 11404 Moorage Way * La Conner, Washington 98257 *

June 22, 2021

Skagit County Planning and Development Services
Hal Hart, Director
1800 Continental Place
Mount Vernon, WA 98273

Re: Swinomish Tribe comments and attachments on Skagit Shoreline Master Program Update

Dear Mr. Hart:

Enclosed please find a printed copy of the Swinomish Tribe's and SRSC's comments regarding the Skagit Shoreline Master Program update, as well as copies of the references listed below that are cited in the Tribe's comment letter. The enclosed copies are to references that were not produced by a Washington local or state government agency.

Thank you for your consideration.

Amy Trainer, Environmental Policy Director
Swinomish Indian Tribal Community

Enclosed Printed References

1. Northwest Indian Fisheries Commission, *State of Our Watersheds*, 336 (2020).
2. Hood, et al., *Assessing Tidal Marsh Vulnerability to Sea-Level Rise in the Skagit Delta*, 90 *Northwest Science* 79, 80 (2016).
3. Lacy, et al., *Evaluating Anthropogenic Threats to Endangered Killer Whales to Inform Effective Recovery Plans*, 7 *Scientific Reports* 14119 (2017).

4. Feist, et al., *Roads to Ruin: Conservation Threats to a Sentinel Species Across an Urban Gradient*, 27 *Ecological Applications* 2382 (2017). Researchers have found that urban runoff is harmful to Chinook salmon as well.
5. April 2, 2021 letter from Skagit County Assistant Prosecuting Attorney, Will Honea to Cascadia Law Group and Seattle City Light.
6. McIntyre, *Urban Stormwater & Green Infrastructure*, Presentation to the Fish Barrier Removal Board, Slides 34-35 (Feb. 21, 2017).
7. Tian, et al., *A Ubiquitous Tire Rubber-Derived Chemical Induces Acute Mortality in Coho Salmon*, 371 *Science* 185 (2021).
8. Lee, et al., *Impacts of Climate Change on Regulated Streamflow, Hydrologic Extremes, Hydropower Production, and Sediment Discharge in the Skagit River Basin*, 90 *Northwest Science* 23, 37 (2016).
9. Hamman, et al., *Combined Effects of Projected Sea Level Rise, Storm Surge, and Peak River Flows on Water Levels in the Skagit Floodplain*, 90 *Northwest Science* 57 (2016).
10. Landis, et al., *Integration of Chlorpyrifos Acetylcholinesterase Inhibition, Water Temperature, and Dissolved Oxygen Concentration into a Regional Scale Multiple Stressor Risk Assessment Estimating Risk to Chinook Salmon*, 16 *Integrated Environmental Assessment and Management* 28 (2019).
11. Rubin, et al., *Juvenile Chinook Salmon and Forage Fish Use of Eelgrass Habitats in a Diked and Channelized Puget Sound River Delta*, 10 *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 435 (2018).
12. McIntyre, et al., *Soil Bioretention Protects Juvenile Salmon and their Prey from the Toxic Impacts of Urban Stormwater Runoff*, 132 *Chemosphere* 213 (2015).
13. Meador, et al., *Contaminants of Emerging Concern in a Large Temperate Estuary*, 213 *Environmental Pollution* 264 (2016).
14. Mordecai, et al., *Aquaculture Mediates Global Transmission of a Viral Pathogen to Wild Salmon*, 7 *Science Advances* eabe2592 (2021).
15. NOAA Fisheries, West Coast Region, California Eelgrass Mitigation Policy and Implementing Guidelines (Oct. 2014).
16. California Coastal Commission, *Sea Level Rise Policy Guidance: Interpretive Guidelines for Addressing Sea Level Rise in Local Coastal Programs and Coastal Development Permits* (2018).
17. National Marine Fisheries Service West Coast Region. 2017. WA Eelgrass and Shellfish Aquaculture Workshop Report. Seattle, WA.

18. Grossman, E., et al. (2020). *Sediment export and impacts associated with river delta channelization compound estuary vulnerability to sea-level rise, Skagit River Delta, Washington, USA*. *Marine Geology*. 430. 10.1016/j.margeo.2020.106336.
19. Mauger, G.S., et al. 2015. *State of Knowledge: Climate Change in Puget Sound. Report prepared for the Puget Sound Partnership and the National Oceanic and Atmospheric Administration*. Climate Impacts Group, University of Washington, Seattle.
doi:10.7915/CIG93777D
20. National Research Council, *Sea Level Rise for the Coasts of California, Oregon and Washington: Past, Present and Future*. (2012).
21. Raymond, C.L, et al. 2020. *How to Choose: A Primer for Selecting Sea Level Rise Projections for Washington State*. A collaboration of Washington Sea Grant and University of Washington Climate Impacts Group. Prepared for the Washington Coastal Resilience Project.
22. Tian, Z., et al. *Suspect and Nontarget Screening for Contaminants of Emerging Concern in an Urban Estuary*. *Environmental Science & Technology* (2020). 54 (2), 889-901.
DOI: 10.1021/acs.est.9b06126