

Subject: Online Form Submittal: Board and Commission Application
Date: Thursday, February 2, 2023 3:40:24 PM

Board and Commission Application

Step 1

Application for Appointment to Whatcom County Boards and Commissions

Public Statement

THIS IS A PUBLIC DOCUMENT: As a candidate for a public board or commission, the information provided will be available to the County Council, County Executive, and the public. All board and commission members are expected to be fair, impartial, and respectful of the public, County staff, and each other. Failure to abide by these expectations may result in revocation of appointment and removal from the appointive position.

Title *Field not completed.*

First Name Eleanor

Last Name Hines

Today's Date 2/2/2023

Street Address [REDACTED]

City [REDACTED]

Zip [REDACTED]

Do you live in & are you registered to vote in Whatcom County? Yes

Do you have a different mailing address? *Field not completed.*

Primary Telephone [REDACTED]

Secondary Telephone *Field not completed.*

Email Address [REDACTED]

Step 2

1. Name of Board or Committee Portage Bay Shellfish Protection District Advisory Committee

2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying?	Yes
3. Which Council district do you live in?	District 1
4. Are you a US citizen?	Yes
5. Are you registered to vote in Whatcom County?	Yes
6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?	No
7. Have you ever been a member of this Board/Commission?	Yes
If yes, please list dates:	roughly 2018-2022?
8. Do you or your spouse have a financial interest in or are you an employee or officer of any business or agency that does business with Whatcom County?	No
You may attach a resume or detailed summary of experience, qualifications, & interest in response to the following questions	Attached
9. Please describe your	Currently work at RE Sources as the North Sound Waterkeeper

occupation (or former occupation if retired), qualifications, professional and/or community activities, and education

and lead scientist. I have a background in environmental toxicology and volunteer with several community groups regarding clean water work, including the Portage Bay Shellfish Protection District Advisory Committee recently.

10. Please describe why you're interested in serving on this board or commission

I'm interested in continuing to follow and help with the work to address the bacteria issues of Portage Bay that prevent year-round access to shellfish harvest.

References (please include daytime telephone number):

Ander Russel (work supervisor)- 360-510-8008; Liz Schotman (Surfrider WA regional organizer)- 360-998-3184

Signature of applicant:

Eleanor Hines

Place Signed / Submitted



(Section Break)

Education:

Masters in Science at Huxley College, Western Washington University: 2011-2013

Degree in Environmental Science, focus on regional risk assessment using a Bayesian network approach for probabilistic modeling methods and examining effectiveness of management tools in the risk model framework. Looked at prespawn mortality in *Oncorhynchus kisutch* (coho salmon) and the ability of low impact development to alter the risk of this acutely lethal syndrome in the Puyallup River Watershed in Pierce Co, WA.

Bachelors of Science at Huxley/Fairhaven College at Western Washington University: 2004-2008

Degree in Environmental Science, emphasis in Environmental Toxicology; minor in Chemistry.

Professional Experience:

Lead Scientist – RE Sources for Sustainable Communities: 2014 – present

- Manage Squalicum Clean Water Project entailing water quality sampling, data management, and social marketing development and implementation.
- Review and encourage public comment throughout the Bellingham Bay toxics site cleanup process and ensuring protection of marine habitat.
- Review fossil fuel related projects, encourage public participation in comment periods, and ensure that environmental standards are upheld throughout the process while preparing to transition to renewable and cleaner energies and advocate for healthy habitat based on best available science.
- Provide scientific support for Clean Water, Clean Energy, and Sustainable Schools programs as needed.
- Staff support for Cherry Point and Fidalgo Bay Aquatic Reserves Citizen Stewardship Committees.
- Manage citizen science projects such as intertidal monitoring, marine birds monitoring and water quality monitoring projects.

Field Manager – Hirsch Consulting Services, LLC 2014 – 2016

- Managed and trained field team on an Ecology 319 grant on Cain Creek in Blaine, WA to collect fecal coliform bacteria and microbial source tracking samples as well as other water quality parameters including temperature, pH, DO, conductivity and flow measurements.
- Managed data, assisted with reports, and consulted on field sampling.
- Develop and assist with education and outreach program components to improve water quality in the City of Blaine.

Education and Outreach Assistant – Garden of the Salish Sea Curriculum: 2014 – 2016

- Assist with education and outreach programs in classrooms k-6 and field trips aimed to protect shellfish harvest.
- Promote program through social media and at events to encourage Salish Sea stewardship.
- Develop program website.

Private Contractor – Institute of Natural Resources/North West University of KwaZulu-Natal, South Africa: 2013

- Assist with environmental risk assessment modeling using a combination of Monte Carlo and Bayesian network modeling in the Relative Risk Assessment method framework.
- Assisted with the formulation of ProbFlo, an instream flow requirements method that falls within the ELOHA framework using probabilistic methods incorporating adaptive management for dams in Lesotho.

- Attended Water Affairs workshop with team of national South African scientists to determine Water Quality Objectives for the Olifants River catchment.
- Worked at the North West University of KwaZulu-Natal to determine conceptual models for a relative risk assessment on the Phongolo catchment to ensure that social and economic needs of the catchment are met.

Field Technician– Western Washington University: 2011-2012

- Aided in research and field sampling for the Salish suckerfish (*Catostomus catostomus*) for a graduate project.
- Set traps, recorded data, took water quality readings with YSI water quality probe, gathered site data including GPS coordinates, gradient of riffles, bankfull width, depths, habitat assessments, and more.
- Pit tagged fish.

Private Contractor – Nooksack Salmon Enhancement Association: 2010-2011

- Trained replacement monitoring coordinator.
- Took volunteer interns on Washington Department of Fish and Wildlife salmon spawner surveys to document returning adult salmon by species, count redds, and process carcasses for samples including coded wire tags, prespawn mortality assessment, otolith samples, and DNA samples.

Monitoring Coordinator (AmeriCorps Term) – Nooksack Salmon Enhancement Association: 2009-2010

- Responsible for salmon enhancement monitoring projects, including salmon spawner surveys, water quality monitoring, community habitat restoration work parties, and education and outreach.
- Wrote for a variety of audiences, including: technical documents for evaluating salmon spawner surveys and water quality data to aid in regulatory determinations, State of the Watershed Reports for community members from collected and analyzed water quality data, authored website content and newsletter articles, and more.
- Trained and managed interns, sometimes as many as a dozen or more at a time.
- Assisted with grant applications, updates, and reports.

Volunteer Experience:

Chapter Chair – Northwest Straits Chapter, Surfrider Foundation: 2007-present

- Coordinate citizen science water quality monitoring project (Blue Water Task Force), present findings to community, and work with partner organizations along with source tracking of contaminants in marine water.
- Organize beach cleanups and other events.
- Project management experience with planning and organizing campaigns, events, fundraisers, education and outreach programs, press releases, factsheets and messaging, workshops, and internship programs.
- Developed and manage summer college internship focused on education and outreach on water quality issues at a local state park; assess and match tasks with volunteers' abilities.
- Bolster partnerships with local organizations with similar goals to expand the Surfrider scope with limited resources.
- Collaborate with Surfrider chapters throughout Washington, Oregon, and British Columbia to implement Surfrider projects on a regional scale.

Whatcom County Marine Resources Committee: 2007-present

- Participate on subcommittees such as the Shellfish, Scientific, Advocacy, and Project Development.

- Participate/organize/lead citizen science programs such as shellfish, intertidal, kelp, forage fish, water quality testing, and other monitoring programs.
- Organize education and outreach programs and materials on water quality issues and present messaging and data to local community.
- Currently hold scientific expertise seat (as of 2014) and committee chair (as of 2016).

Nooksack Salmon Enhancement Association: 2006-2010

- Planted native trees and removed invasive plant species at habitat restoration work parties.
- General office work, including database entry.
- Assisted with Washington Department of Fish and Wildlife juvenile salmonid creek seine surveys.

Professional Conferences:

Salish Sea Conference: October 2011 Represented the Surfrider Foundation

- Recreational users test water quality at popular beaches throughout Puget Sound and tackle barriers to incorporate citizen science into monitoring and education programs.

Pacific Northwest Chapter Society of Environmental Toxicology and Chemistry 21st Annual Meeting:

April 2012 Represented the Institute of Environmental Toxicology, Huxley College, WWU

- Regional Risk Assessment of the Puyallup River Watershed and Low Impact Development (LID) to meet management goals.

Society of Environmental Toxicology and Chemistry North American Conference: November 2012

Represented the Institute of Environmental Toxicology, Huxley College, WWU

- Regional Risk Assessment of the Puyallup River Watershed and Low Impact Development (LID) to meet management goals.

Society of Risk Analysis: December 2012 Represented for the Institute of Environmental Toxicology, Huxley College, WWU

- Risk assessment for non-indigenous plants for the intermountain Western United States.

Padilla Bay Research Symposium: 2013 Represented the Northwest Straits Chapter, Surfrider Foundation

- Blue Water Task Force: A look into effective ways to use citizen science to help protect community health.

Restore America's Estuaries National Conference: November 2014 Represented the Surfrider Foundation

- The Surfrider Foundation's Blue Water Task Force in Bellingham, WA: A citizen science program inspiring actions and engaging communities.

Salish Sea Ecosystem Conference: April 2016 Represented the Surfrider Foundation and Whatcom Marine Resources Committee

- Recreational users update their program to test water quality at popular beaches and tackle barriers to incorporate citizen science into monitoring and education
- Citizen Science Intertidal Monitoring Program Compares Shoreline Restoration Sites at Boulevard Park, Bellingham, Washington

Publications:

Hines EE, Landis WG. 2013. Regional risk assessment of the Puyallup River watershed and the evaluation of low impact development in meeting management goals. Integrated Environmental Assessment and Management. DOI: 10.1002/ieam.1509.

O'Brien GC, Dickens C, Hines, EE, Wepener V, Stassen R, Landis WG. 2017. A regional scale ecological risk framework for environmental flow evaluations. Hydrology and Earth System Sciences. DOI: 10.5194/hess-2017-37