

**From:**  
**To:**  
**Subject:** Online Form Submittal: Board and Commission Application  
**Date:** Saturday, February 19, 2022 8:46:57 AM

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## Board and Commission Application

### Step 1

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Application for Appointment to Whatcom County Boards and Commissions

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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.*

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|  |  |
|--|--|
| Title  | Field not completed.                                   |
| First Name   | Tracy  |
| Last Name  | Petroske   |
| Today's Date   | 2/19/2022  |
| Street Address   | 6022 Bell Creek Logging Rd 243, PO Box 243, PO Box 243 |
| City   | DEMING   |
| Zip  | 98244  |
| Do you live in & are you registered to vote in Whatcom County? | Yes  |
| Do you have a different mailing address?                       | YES  |
| Mailing Address  | PO Box 243   |
| Primary Telephone  | 4259456455   |
| Secondary Telephone  | Field not completed.                                   |
| Email Address  | tracy.petroske@gmail.com                               |

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### Step 2

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1. Name of Board or Committee      Forestry Advisory Committee

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Forestry Advisory Committee Position:      Small forest landowner

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2. Do you meet the residency, employment, and/or affiliation requirements of the position for which you're applying?      Yes

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3. Which Council district do you live in?      District 2

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4. Are you a US citizen?      Yes

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5. Are you registered to vote in Whatcom County?      Yes

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6. Have you declared candidacy (as defined by RCW 42.17A.055) for a paid elected office in any jurisdiction within the county?      No

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7. Have you ever been a member of this Board/Commission?      No

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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

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You may attach a resume or detailed summary of experience, qualifications, & interest in response to      [Resume\\_Tracy Petroske.pdf](#)

the following questions

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9. Please describe your occupation (or former occupation if retired), qualifications, professional and/or community activities, and education

I have a science consulting business in which I support scientific research, writing, and education/outreach. In addition, I am currently working on an additional Masters degree (at WWU) in Natural Resource Policy with an emphasis on forest certifications on public trust lands. (Additional education and experience can be found in my attached resume).  
I am an active member of Bellingham Mountain Rescue.

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

I am a small forest landowner (20 acres), very interested in forest management practices in the state, and helping to support both industry vitality and environmental health.

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References (please include daytime telephone number):

Jenelle Black, Northwest Indian Fisheries Commission, CMER Science Staff Manager and Lead Scientist, 360-528-4367, jblack@nwifc.org  
\*Please let me know if you need further references!

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Signature of applicant:

Tracy Petroske

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Place Signed / Submitted

Deming, WA

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(Section Break)

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Bell Creek Science

# Tracy McCallister Petroske

petrost@wwu.edu (425) 945-6455 Bellingham, WA

|                   |         |   |
|-------------------|---------|---|
| <i>Experience</i> | 2018-22 | <b>Bell Creek Science Services, Owner</b>   |
|                   | 2021-22 | <b>Western Washington University</b> , Masters student, Natural Resource Policy     |
|                   | 2021-22 | <b>Sustainability Engagement Institute</b> , Climate Resilience Project Coordinator |
|                   | 2016-20 | <b>Institute for Global Environmental Strategies</b> , Science and Education Review |
|                   | 2016-18 | <b>Caltech</b> , Education & Public Outreach Coordinator                            |
|                   | 2001-16 | <b>Snoqualmie &amp; Bellevue SD</b> , Educator/STEM Program Manager/Math Chair      |
|                   | 1998-01 | <b>Source Net</b> , Technical Writer, Software Test & Configuration Manager         |
|                   | 1991-94 | <b>Univ. of Washington</b> , Graduate student - Oceanography/Environmental science  |
|                   | 1989-91 | <b>Boeing Kent Space Center</b> , Physicist-Engineer (fluid dynamics)               |
|                   | 1985-89 | <b>Scripps Institute of Oceanography</b> , Oceanography Research Assistant          |

|                         |      |  |
|-------------------------|------|--|
| <i>Education</i>        | 2009 | <b>National Board Certification, Teaching</b> , Adolescence/Young Adulthood Mathematics                              |
| &                       | 2002 | <b>Pacific Lutheran University, Teaching Certifications</b> in Environmental/Earth Science, Mathematics, and Physics |
| <i>Related Training</i> | 1993 | <b>University of Washington</b> , M.S. Oceanography  |
|                         | 1989 | <b>UC San Diego</b> , B.S. Physics, minor studies in Biology and Zoology   |
|                         |      | Environmental Science Certificates:  |
|                         |      | Protected Species Observer Certification   |
|                         |      | Cetacean Passive Acoustic Monitoring Certificate   |
|                         |      | BOSIET (offshore helicopter, fire suppression, emergency medical)  |
|                         |      | Bureau of Ocean and Energy Management - Approval for Wind Energy Monitoring  |
|                         |      | National Marine Fisheries Service - Approval for Wind Energy Monitoring  |
|                         |      | Operations & Dredging, Endangered Species System (ODESS) Certification   |
|                         |      | <b>Eastside Fire and Rescue Academy</b> , Emergency Medical Technician   |
|                         |      | <b>9-1-1 Whatcom Police Dispatch</b> , Call Receiver   |

## Relevant Highlights

**WWU Graduate School: Natural Resource Policy with emphasis on Forest Certification on Washington State Trust Lands.** I am currently working on an additional Master's degree in Natural Resource Policy. My thesis is examining forest certification programs in the Pacific Northwest, specifically examining global standards of FSC and SFI certification, and how international certification standards apply (or do not apply) to publicly-owned forests.

**Sustainability Engagement Institute/Sustainable Communities Partnership (SCP):** Engage Western faculty, community partners, and student volunteers to initiate and manage collaborative climate change resilience projects in the PNW. Project coordination includes planning and facilitating stakeholder groups, drafting contractual Statements of Work, maintaining the grant budget, developing educational materials, writing reports, and creating other final deliverables.

**Bell Creek Science Services:** I founded this consulting business in 2018 to capitalize on my expertise in environmental science, education, and science writing. Plus, I have an eccentric enjoyment of all things related to organizing; planning and facilitating efforts with multiple stakeholders, capturing the messages in meetings, condensing complex scientific content, and quickly turning out effective written reports. My business has thrived due to timely efficiency, work quality, and the enjoyable relationships developed with clients. Services include:

Writing, editing, publication support, simplify and condense complex scientific content, create and fact-check materials prior to publication, literature searches.

Curriculum development, create outreach materials, draft scientific posters, prepare PowerPoints presentations, host public outreach events, coordinate meetings, and teach classes.  
Facilitation of workshops and stakeholder groups, liaison between the general public and government officials, identification and development of durable partnerships.  
Field work, including cetacean monitoring, montane tree DNA collection, downed bird classification.  
Administrative Coordination for project support: technology setup and assistance for team members, scheduling.

**Institute for Global Environmental Strategies Product Review, Education consultant and report writer**

As needed, I review environmental science educational materials, compose detailed reports, recommend modifications, and take part in web conferences for final analysis. Recent projects include: (1) Analysis of sea-level rise in US estuaries and the impact on local species. (2) Evaluation of temperature projections using NASA's Goddard Institute Climate Model E2.

**Caltech:** Picked up a languishing project (STEMdex), performed a needs assessment, formed a working group, and found a technology group at Harvard that was willing to integrate our project into theirs. Supported work on four NASA Universe of Learning (UofL) Programs, including team-writing scripts for NASA UofL videos. Performed fact verification. Edited proposals and research papers. Supported public events and meetings.

**Education & Education Management:** Taught Calculus, Physics, Environmental Science, Biochemistry, Forensics/Law. Managed teams and budgets. Represented the department and district at meetings and public events. Wrote grant proposals. Managed a Pearson Education team scoring National Board portfolios. Interfaced with stakeholders to achieve initiatives to (e.g., initiatives to support Indigenous student's when absent due to engagement with tribal events).

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## Additional Information & Related Activities

**Technology:** High-level proficiency with MS Office suite (Word, Excel, PowerPoint, SharePoint) and with tools for web conferencing and communication (e.g., Zoom, Slack). Some experience with GIS (ESRI, QGIS).

### Salish Sea Expeditions

Wrote grant proposals to fund 30 students for multiday science and sailing experiences. On each trip, we addressed a scientific hypothesis by collecting and analyzing hydrographic data.

### Underwater BOTS for Girls in Science

Wrote multiple successful National Science Foundation grant proposals to develop, market and execute an underwater LEGO robotics program for junior high females.

**Medical and Emergency Response:** 9-1-1 Call receiver, volunteer fire and rescue, Bellingham Mountain Rescue Council.

**Outdoor:** Mountaineering, rock climbing, Alaskan solo excursions, trail work and maintenance, manage 20 acres of private forestland.

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## Publications and Certificates

(some under prior name: McCallister-Roberts)

**Petroske, T.** (2020), The Status of Consultation and Consent with Indigenous Peoples: Thirty Meter Telescope (TMT) White Paper, *TMT Basecamp*.

**Petroske, T.** (2021). Placemaking in Natural Spaces and Culturally Sensitive Localities - A Literature Review: Thirty Meter Telescope (TMT) White Paper. *TMT Basecamp*. *Currently under peer-review*.

Rebull, L.M., **Roberts, T.**, et al., (2018). Motivations of Educators for Participating in an Authentic Astronomy Research Experience Professional Development Program, *Physical Review Physics Education Research*. 14.

Rebull, L., French, D., Laurence, W., **Roberts, T.**, et al. (2018). Major outcomes: An Analysis of 8 years of Data from NITARP, *Physical Review Physics Education Research*, 14.

Rebull, L., Fitzgerald, M., **Roberts, T.**, et. al. (2018). The NASA/IPAC Teacher Archive Research Program (NITARP), *Physics Education*, arXiv:1804.08743.

**Roberts, T.** (2017). Boys, Girls, and the Pursuit of Science. *Astrobit.es*, astrobit.es.org/2017/08/12/boys-girls-and-the-pursuit-of-science/.

**Roberts, T.** (2017). STEMdex Technical paper, *NASA Universe of Learning Basecamp*.

Roemmich, D., **McCallister, T.**, **Swift, J.** (1991). A Transpacific Hydrographic Section along Latitude 24 N: Distribution of Properties in the Subtropical Gyre. *Deep-Sea Research*, 38(1A). S1-S20.

Roemmich, D. **McCallister, T.** (1989). Large Scale Circulation of the North Pacific Ocean. *Progress in Oceanography*. 22. 171-204.

