

Climate Impact Advisory Committee: William Bethel

Subject: Online Form Submittal: Board and Commission Application
Date: Tuesday, January 5, 2021 12:37:19 AM

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	Mr.
First Name	William
Last Name	Bethel
Today's Date	1/5/2021
Street Address	2128 Franklin st.
City	Bellingham
Zip	98225
Do you live in & are you registered to vote in Whatcom County?	Yes
Do you have a different mailing address?	<i>Field not completed.</i>
Primary Telephone	2067992549
Secondary Telephone	<i>Field not completed.</i>
Email Address	williamjbethel@gmail.com

Step 2

1. Name of Board or Commission Climate Impact Advisory Committee

Committee

Climate Impact
Advisory Committee
Position:

I have previous work or educational experience in land use planning.

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 2

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?

No

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

[Resume-committee.docx](#)

the following questions

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

Through my education, up to a Master's degree, I am an experienced soil scientist and ecosystem analyst. I have also received training in climate science, pollution control, formal writing, and environmental planning. I am excellent at engaging the public with 10 years of experience and am able to communicate complex concepts with my experience as teaching climate science and remote sensing. My areas of expertise are essential considerations for climate impact studies, as soil carbon is a major sink for atmospheric carbon that is often overlooked, and analyzing ecosystems is key piece of knowledge in assessing climate impact.

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

As a young adult, outdoor enthusiast and environmental scientist I am extremely concerned with the direction that the earths climate has gone in recent years. I see this as an opportunity to help make an impact on future planning and assessment in this area, while also broadening my own experiences.

References (please include daytime telephone number):

Donald Baeder - (360) 348-9553
Joshua Boswell - (360) 701-3611
Margaret Schmidt - (604) 307-1543

Signature of applicant: William Bethel

Place Signed / Submitted Bellingham, WA

(Section Break)

Email not displaying correctly? [View it in your browser.](#)

William Bethel

3770 Canterbury lane #130 Bellingham, WA 98226 | 206-799-2549 | WilliamJBethel@gmail.com

Education

MASTER OF SCIENCE | FALL 2018-FALL 2020 | SIMON FRASER UNIVERSITY | GPA: 3.7

- Program of Study: Geography
- Focus: Digital Soil Mapping, Predictive Ecosystem Mapping
- Presented at CSSS 2019 in Saskatchewan
- Collect data from a variety of sources, including government websites
- Process data into spreadsheets and reports
- Critically analyze data and draw unique conclusions

BACHELOR OF SCIENCE | WINTER 2017 | WESTERN WASHINGTON UNIVERSITY | GPA: 3.0

- Major: Environmental Science
- Minor: GIS operations
- Related coursework: Chemistry, Biology, Integral Calculus, Physics, Soil Science, Wetland Science, Environmental Policy, Oceanography, Statistics, GIS analysis, Python Scripting, Remote Sensing

ASSOCIATE OF ARTS | 2012 | CASCADIA COMMUNITY COLLEGE | GPA: 3.5

WILDLAND STUDIES | PATAGONIAN ECOSYSTEMS: THE CHILE PROJECT | WINTER 2017

- Winter spent doing ecological and conservation research in Patagonia
- Completed a brief geologic survey of the Los Lagos Region based on field samples

Experience

RESEARCH ASSISTANT | SIMON FRASER UNIVERSITY | FALL 2018 – FALL 2020

- Analyze data collected from sites in BC and Nova Scotia for trends
- Field sampling soils in the Eaglehills Forest near Kamloops BC
- Develop models to predict soil properties in sites that were not surveyed
- Analysis and modeling work done using ArcGIS, SAGA, R, QGIS, and ENVI

TEACHING ASSISTANT | SIMON FRASER UNIVERSITY | FALL 2018 – FALL 2020

- Teaching labs for Biogeography, Introductory Remote Sensing, and Advanced Remote Sensing
- Evaluating student work in lab sections
- Teaching GIS software including ArcGIS, ENVI, and TerrSet

NON RESPONSE FOLLOWUP UNIT ENUMERATOR | UNITED STATES CENSUS BUREAU | JUNE 2020 – OCTOBER 2020

- Contact households that had not completed the 2020 census and enumerate in person
- If the above was not possible, identify proxies to complete the census for that address
- Enumerate individuals in special circumstance who would not otherwise have been counted

VICE PRESIDENT/SCHOLARSHIP CHAIR | CASCADE SCOUT RESERVATION STAFF ALUMNI ASSOCIATION

- Manage events and funds for the CSRSAA
- Write scholarship guidelines and evaluate scholarship applications

WASHINGTON CONSERVATION CORPS | SEDRO WOOLEY DNR LOCKUP | OCTOBER 2017-SEPT 2018

- Work on a variety of projects, including restoration and trail building
- Work in varied climates and conditions, including a month-long deployment to the Virgin Islands
- Assist in ongoing scientific and community outreach programs

NOXIOUS WEED AIDE | SKAGIT COUNTY | JUNE 2017-PRESENT

- Assisting in control and eradication of *Spartina anglica* and *Fallopia sachalinensis*
- Maintain spraying equipment in compliance with state regulations
- Collect data on noxious weed locations using GPS units and the iForm app

PROGRAM DIRECTOR/HEAD COMMISSIONER | CAMP EDWARD, CHIEF SEATTLE COUNCIL | JUNE 2013-JUNE 2020

ECOLOGY CONSERVATION DIRECTOR | CAMP BRINKLEY, CHIEF SEATTLE COUNCIL | JUNE 2011-AUGUST 2012

- Design and execute program for approximately 1500 campers each summer

- Oversee the camp's conservation program, revegetation program, and invasive species removal
- Train and manage a staff of 30-50, ensuring excellent customer service, emergency response, and public speaking
- Instruct staff and campers in conservation practices and ecology of the Pacific Northwest

Skills & Abilities

MANAGEMENT AND LEADERSHIP

- Able to prioritize and manage projects for efficiency and excellence
- 10 years of directorship experience at two BSA scout camps
- Skilled in recruitment and training of new individuals

ENVIRONMENTAL SCIENCE

- Knowledge of North American and Washington State environmental history and policy
- Specific knowledge of techniques relating to analysis of soils, water, and wetlands

PACIFIC NORTHWEST ECOLOGY AND ENVIRONMENT

- Understanding of active and historical environmental processes of the Pacific Northwest
- Ability to identify native and non-native plant species through multiple characteristics
- Understanding of the geologic history of the Pacific Northwest
- Understanding of the soil types in the Pacific Northwest
- Ability to identify native birds and mammals by sight

GIS OPERATIONS

- Produce informative and visually pleasing maps to display results of analysis
- Work with ArcGIS and QGIS programs to perform spatial analysis
- Write python and R scripts to perform complex analysis
- Work with ENVI to analyze remotely sensed data

NOXIOUS WEED CONTROL

- WA State Pesticide Consultant/Operator license, with endorsements for Aquatic variant
- Experience with numerous forms of Noxious Weed control - chemical, biological, and mechanical

PROGRAMMING

- Proficient in R, Java, C++, and Python
- Understanding of program structure and design specifically for academic and statistical purposes

ACHIEVEMENTS

- Eagle Scout | November 2009