



# Sabine Postma, MS

## RESEARCH ASSOCIATE/ENVIRONMENTAL SCIENTIST

Sabine Postma recently graduated with a Master of Science in environmental science and policy. With her background in zoology and focus on environmental studies, her expertise lies in wildlife conservation, particularly with mountain lions, which were the focus of her master's paper. Her recent interests have centered on habitat connectivity, rewilding, and natural resource management. She is also interested in climate change adaptation and mitigation using nature-based solutions. Sabine enjoys working on projects that include community involvement and wildlife conservation policy.

## Projects

### Offshore Wind Feasibility Analysis, Catalyst Environmental and CEC – California

Ms. Postma was part of a team working to determine the economic feasibility of developing offshore wind in the state of California. She conducted an extensive literature review on a wide variety of offshore wind literature. She then created an in-depth deliverable that categorized the sources into themes and summarized the key findings from each source to support the larger report. She also created a literature review summary centered on seaport development for offshore wind in the state of California to be presented to state legislators. Ms. Postma also created tables and graphics throughout the report, particularly in the regional economic impact section.

### King County Levee Breach Analysis, Shannon & Wilson and King County–King County, Washington

Greene Economics is supporting Shannon & Wilson in analyzing the economic risks and impacts of a potential levee breach in King County. Ms. Postma is part of the Greene team that is leading the analysis of equity concerns by identifying culturally diverse, vulnerable populations that may be at greater risk of flood damages in the event of a levee breach. She compared flood damages for residential structures and commercial structures across income, race, health, and historically disadvantaged factors using existing information from U.S. Census data and other sources. Ms. Postma also considered how a levee breach would impact mental health, transportation, support services, access to recreation, and other factors for vulnerable populations.

### AFFF, TRC and Department of Ecology – Washington

Sabine Postma is part of the Greene Economics team that is analyzing the potential environmental impacts of aqueous film forming foam (AFFF) kept in fire stations across the state of Washington. The team is focused on the impacts to environmental justice communities and tribal resources under several alternatives. Ms. Postma is helping the team produce the two sections by conducting research

## Qualifications

- MS, Environmental Science & Policy: Clark University, Worcester, MA 2021-2022
  - Concentration in Environmental Development
  - 4.0 GPA
- BS, Zoology: Cal Poly Humboldt, Arcata, CA 2017-2020
  - Emphasis in Mammalogy
  - 4.0 GPA

## Awards

- Outstanding Student Award for Excellence in Intercollegiate Athletics (2021)
- Female Scholar Athlete Award (2020)
- California Collegiate Athletic Association Championship Scholar (2020)
- Dean's List Student (2017-2022)
- Women's Soccer Captain, Cal Poly Humboldt (2017-2020)

## Language skills

- English
- Dutch
- Spanish



using publicly available data, creating graphics, and discussing the risk to these two groups under the six scenarios.

## **ComEd Community of the Future Metrics, ComEd/Exelon – Illinois**

Ms. Postma helped create a white paper discussing metrics used to measure the smart grid system and smart grid cities in the state of Illinois. She created graphics, tables, and summaries to make the information easy to understand and share with a wide audience.

## **Economic Evaluation of Extension for Community Health Care Outcomes (ECHO) Support, Northwest Portland Area Indian Health Board – Washington**

Sabine Postma was part of a Greene Economics team that analyzed the benefits of the ECHO telehealth system to tribal communities. She created graphics and presentations to effectively deliver information to the clients. She also helped write the results section of the report, describing the many tables and charts and the significance of the results.

## **PSAR Cost Analysis, Puget Sound Partnership – Washington**

Ms. Postma provided an analysis for the Puget Sound Partnership on restoration project cost increases/overruns and the reasons behind these overages for their Puget Sound Acquisition and Restoration Fund as part of a larger contract between the Puget Sound Partnership and Greene Economics. Specifically, she investigated project cost trends, overrun trends, and the reasons behind the rise in project costs. To do so, Ms. Postma analyzed client-provided data, summarized first hand insights from interviews with salmon recovery experts, and conducted a thorough literature review. Recommendations were developed for how the program could reduce project costs and handle cost overages in the future.

## **Anthropogenic Impacts and Conservation Strategies for Mountain Lion Populations in the Pacific Region, Clark University**

Sabine produced a 50-page paper that evaluated the number and severity of anthropogenic impacts on mountain lion populations across the Pacific Region of North America. She also evaluated the effectiveness of numerous conservation strategies for the species and provided a recommendation for future conservation efforts within the region.

## **Analysis of the Environmental and Social Impacts of a Palm Oil Plantation in Malaysia, Clark University**

Sabine reviewed an extensive collection of peer reviewed sources to explore the environmental and social harms the production of palm oil placed on a local community in Malaysia. The project focused heavily on the issue of land grabbing and land tenure rights.

## **Keystone Species Project (*Pisaster ochraceus*), Cal Poly Humboldt**

Sabine worked as a member of a team to gather data in the field and used statistical analysis to determine if tidal zone terrain impacted the size and abundance of ochre sea stars at local beaches. She facilitated group work and helped create a visual presentation and research paper on the project's findings.

## **Evaluation of the Social and Environmental Impacts of National Parks, Clark University**

Sabine was part of a team that studied the eugenic ties, native erasure, and conflicting conservation efforts associated with National Parks in the United States. Her team also laid out potential policy changes to increase diversity among park management, improve accessibility, and address the parks' unjust history.

## **Bracelets for Change, Cal Poly Humboldt**

Sabine organized a fundraiser to sell hand-crafted bracelets to raise funds for Cal Poly Humboldt's African American Center for Academic Excellence. She founded this project during the BLM movement to encourage her peers to think about and support equality in a meaningful way. For the fundraiser she managed sales, coordinated the bracelet making, made bracelets, and delivered bracelets.