



Meagan Brown

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Education

University of California, Santa Barbara (UCSB) (Expected Graduation: June 2023)

Bren School of Environmental Science & Management – Master of Environmental Data Science (MEDS)

Committees: Diversity Committee MEDS Representative (09/22 – Present)

Honors and Awards: Environmental Data Science Scholarship (January 2022)

University of California, Santa Barbara (UCSB) (Graduated: June 2021)

Bachelor of Science in Environmental Studies with an emphasis in Geographic Information Systems

Club Position: Treasurer, Zero Waste Committee (05/20 – 06/21)

Honors and Awards: Edison Research Scholarship (May 2020), Dean's Honors (Spring 2019)

Research Experience

Mapping Research Assistant, UCSB, – Dr. Debra Perrone, Santa Barbara, CA (06/21 to present)

- Assisting a UCSB professor with mapping needs using ArcGIS Pro
- Gathering geospatial data to help inform research interests regarding environmental justice and water resources

Research Assistant, The Nature Conservancy, Santa Barbara, CA (06/21 to 08/22)

- Lead an independent project to visualize representative water quality and quantity monitoring wells
- Used ArcGIS Pro to map groundwater basin boundaries, disadvantaged communities, native land, and drinking water wells
- Presented map results that were included in comment letters to Groundwater Sustainability Agencies (GSAs)

Undergraduate Senior Thesis, UCSB, – Dr. Debra Perrone, Santa Barbara, CA (10/20 to 05/21)

“Who Decides When the Wells Run Dry: An exploratory analysis of GSPs under SGMA in Kings County, CA”

- Explored Groundwater Sustainability Plans for relationships between equity and stakeholder representation
- Created maps using R to visualize groundwater basins and agency boundaries for context

Supply Chain Student Research Assistant, UCSB – Dr. Robert Heilmayr, Santa Barbara, CA (03/19 to 06/19)

- Assisted a UCSB professor for Transparency for Sustainable Economies (TRASE)
- Transferred data (companies, palm oil refineries, and mills) from PDFs into Excel documents

Leadership / Community Engagement Experience

Community Engagement Coordinator, Gravity Water, Santa Barbara Chapter, CA (06/20 to 12/20)

- Engaged with local businesses to develop events that would raise money for gravity fed water systems abroad

Lead Water Quality Intern, Coal Oil Point Reserve, UC NRS, Goleta, CA (01/19 to 09/19)

- Supervised three volunteers and oversaw training and weekly scheduling
- Ensured that Devereux Slough was sampled consistently and accurately four times per week

Barista/Cashier, First-Class Concessions (Santa Barbara Airport), Goleta, CA (03/18 to 03/20)

- Enabled a fast-paced environment that required problem solving and creativity as shift manager
- Responsible for coordinating team members

Additional Experience

Mapping Intern, City of Santa Barbara Environmental Services Division, Santa Barbara, CA (11/21 to 08/22)

- Developed an interactive map using ArcGIS to highlight City clean-up efforts over time
- Bren School of Environmental Science & Management 2022 Environmental Justice Symposium Flash Talk** (05/22)
- Presented a short 5-minute talk on my research and the inconsistencies of how vulnerable communities are defined

Skills and Activities

Basic computer skills: Excel (Intermediate), Keynote (for science communication; Intermediate)

Advanced computer skills: ArcGIS (Intermediate), R (Intermediate)

Activities: Running, pottery, and music (electric guitar)