

# Carolyn A. Waters

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502-415-4446

## Education

- 2017-2022 *Doctor of Philosophy in Education and Social Change*  
Bellarmine University, Louisville, KY.
- Emphasis on environmental education
  - Dissertation Topic: Race, Ethnicity, and Land at a Predominantly White Environmental Education Organization
- 2006-2008 *Master of Education in Environmental Education*  
*Certificate in Nonprofit Leadership and Administration*  
Western Washington University, Bellingham, WA
- Emphasis on outdoor field experience
  - 1-year Residency at North Cascades Institute, North Cascades National Park
- 2000-2004 *Bachelor of Arts in Anthropology and Studio Art*  
Macalester College, St. Paul, MN
- Emphasis on critical visual ethnography
  - Field research in Monteverde, Costa Rica

## Professional Experience

- January 2016 - Present Bellarmine University, Louisville, KY Adjunct Faculty, Environmental Studies  
*Environmental Science, Sculpting Urban Ecosystems, Exploring Socioecological Communities*
- Design and deliver undergraduate curriculum using community science projects.
  - Sponsor students completing professional internships for academic credit.
- March 2017 - Present (Contract) Children at Play Network, Clermont, KY Free Play Facilitator
- Consult regionally with organizations working toward equity in free play.
  - Support safe outdoor play for children of all ages using loose parts.
- March 2018 - March 2020 Private land owner, Louisville, KY Caretaker
- Provided resident maintenance and security services for a home and 130-acre property.
  - Maintained ten acres of meadow using a tractor.
- June 2017 - June 2019 (Contract) Lincoln Foundation, Louisville, KY Biology Teacher
- Delivered experiential summer camp programming for high school students.
  - Collaborated with colleagues to design a more effective program model.

**Professional Experience, continued**

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|---------------------------|---|--|--|
| 2015-2018<br>(Contract)   | Project Warm<br>Louisville, KY                            | Energy Management Workshop Facilitator   | <ul style="list-style-type: none"><li>• Presented interactive workshops for people interested in reducing their energy bills.</li><li>• Delivered programming at libraries and community centers across the Louisville area.</li></ul> |
| 2015-2017                 | Louisville Grows<br>Louisville, KY                        | Garden Program Manager   | <ul style="list-style-type: none"><li>• Designed and delivered garden education programs with partner organizations.</li><li>• Supervised undergraduate interns working in urban vegetable gardens.</li></ul>                          |
| 2014 & 2017<br>(Seasonal) | North Cascades Institute<br>Sedro Wooley, WA              | Youth Leadership Instructor  | <ul style="list-style-type: none"><li>• Supervised graduate students and interns in environmental education work.</li><li>• Led 8- to 16-day backpacking and canoe trips for high school students.</li></ul>                           |
| 2012-2017<br>(Contract)   | River City Paddlesports<br>Louisville, KY                 | Canoe Instructor   | <ul style="list-style-type: none"><li>• Guided trips of Louisville's urban waterways by voyageur and tandem canoes.</li><li>• Provided experiential education about water quality and aquatic ecosystems</li></ul>                     |
| 2006-2012<br>(Seasonal)   | North Cascades Institute<br>Sedro Wooley, WA              | Naturalist, <i>Ecosystem Explorations, Water Quality, Carnivores of the North Cascades</i> | <ul style="list-style-type: none"><li>• Guided 3- to 5-day environmental field trips aligned to state education standards.</li><li>• Directed educational workshops and excursions for adults and families.</li></ul>                  |
| 2010-2012                 | National Park Service<br>North Cascades National Park, WA | Park Ranger (Interpretation)   | <ul style="list-style-type: none"><li>• Guided and presented educational programming for families and school groups.</li><li>• Developed curriculum for a residential, field-based environmental education program.</li></ul>          |
| 2010-2011<br>(Contract)   | Explorations Academy<br>Bellingham, WA                    | Instructor and Field Research Coordinator,<br><i>Sustainability in Cuba</i>                | <ul style="list-style-type: none"><li>• Coordinated sustainability research for high school students visiting Cuba.</li><li>• Translated conversations in English and Spanish for researchers and informants.</li></ul>                |
| 2007-2009                 | North Cascades Institute<br>Sedro Wooley, WA              | Marketing and Communications Assistant   | <ul style="list-style-type: none"><li>• Produced publications to generate public participation in conservation efforts.</li><li>• Created content for the organization's website, blog, and social media pages.</li></ul>              |

## Professional Experience, continued

- 2005-2006 Greater Clark County Schools, IN ESL Tutor, *English as a Second Language*
- Planned and implemented curriculum for a classroom of 6th to 8th grade students.
  - Mentored 9th to 12th grade students one-on-one in a classroom setting.
- May-August 2005 Earthaven Ecovillage Black Mountain, NC Muralist and Work Exchange Resident  
(Contract)
- Worked with community members to design murals symbolic to the community
  - Contributed to intentional community process and shared work responsibilities

## Teaching Experience and Advising

- 2019-Present **Internship Advisor.** H. Brown, R. Clemons, M. Early, R. Hardy, E. Hernandez, M. Holmes, L. Hunt (2021); C. Curry, G. Edelen, C. Fletcher, M. Fuller, C. Gallaher, J. Glaser, C. Gomez, E. Haney, E. Lonneman, T. Sherer (2020); S. Clawson, B. Araya (2019). Bellarmine School of Environmental Studies.
- 2016-2021 **Environmental Science** (introductory general education requirement) Bellarmine University
- 2016-2021 **Environmental Science Lab** (co-requisite field and lab experience for Environmental Science) Bellarmine University
- 2019-2021 **Exploring Socioecological Communities: Louisville Olmsted Parks Conservancy** (required interdisciplinary core course for first-year students) Bellarmine University
- 2019 **Graduate Fellow Advisor** (two-week consultation with students conducting urban design experiments) Earth Stewardship Initiative
- 2017-2018 **Sculpting Urban Ecosystems** (required interdisciplinary core course for first-year students) Bellarmine University
- 2006-2012 **Carnivores of the North Cascades** (3-5 day residential, field-based environmental education course for secondary grades) North Cascades Institute
- 2007-2012 **Water Quality** (3-5 day residential, field-based environmental education course for secondary grades) North Cascades Institute
- 2006-2012 **Ecosystem Explorations** (3-5 day residential, field-based environmental education course for primary grades) North Cascades Institute
- 2011 **Sustainability in Cuba** (1-month field study for high school students) Explorations Academy
- 2005-2006 **English as a Second Language** (course for students whose home language is not English) Greater Clark County Schools

## Scholarship

### Publications, Presentations, and Appearances

- Waters, C., Hoffman, A.** (2021, October) Strategies for Developing Culturally Responsive Pedagogy and Organizational Culture. Workshop for the North American Association for Environmental Education conference.
- Waters, C.** (2021, September) Designing Curriculum for Environmental Equity. Invited workshop for Jefferson County Public Schools. Louisville, KY.
- Waters, C.** (2021, March) Justice, equity, diversity, and inclusion in environmental education. Sustainability Now. WFMP-LP Forward Radio
- Waters, C., Niemann, L.** (2020, August) The importance of student voice in ecology learning: Case study of a public high school meadow restoration project. Presentation to the Ecological Society of America conference.
- Waters, C. & Cook, K.** (2020). Designing environmental science curriculum with photovoice to engage non-science majors. *Journal of College Science Teaching*.
- Waters, C. & Carlson Mazur, M.** (2019, November) Promoting utility of student data in water quality decision-making. Poster presented at the Celebration of Student Research and Creativity. Bellarmine University. Louisville, KY.
- Waters, C.** (2019, October) Designing curriculum to engage young people in environmental dialogue. Presentation to the North American Association for Environmental Educators (NAAEE) conference. Lexington, KY.
- Waters, C. & Niemann, L.** (2019, October) Opportunities for critical pedagogy of place in secondary environmental science. Presentation to the North American Association for Environmental Educators (NAAEE) conference. Lexington, KY.
- Waters, C. & Cook, K.** (2019, August) Using photovoice to engage non-major undergraduate students in environmental science topics. Presentation to the Ecological Society of America (ESA) conference. Louisville, KY.
- Carlson Mazur, M. & **Waters, C.** (2019, August) Connecting ecology. Invited presentation for Earth Stewardship Initiative Fellows. Ecological Society of America (ESA) conference. Louisville, KY.
- Waters, C. & Cook, K.** (2019, April) Designing participatory research curriculum to engage non-major undergraduate students in environmental science topics. Poster presented at the Celebration of Student Research and Creativity. Bellarmine University. Louisville, KY.
- Waters, C.** (2019, February) Participatory research in environmental education. Invited presentation at the Sustainability Roundtable Speaker Series hosted by University of Louisville.
- Waters, C.** (2017, June) Environmental literacy. Sustainability Now. WFMP-LP Forward Radio.

## Academic and Civic Engagement

- 2021-Present Founding Member, Sustainability Committee | Bellarmine University
- Establish goals and strategy for institution-wide sustainability initiatives
- 2021- Present Team Member, Justice Equity Diversity and Inclusion Action Team | Kentucky Association for Environmental Education
- Develop strategies for JEDI work in Environmental Education in Kentucky
- 2018-Present Volunteer Monarch Tagger | Monarch Watch
- Catch and release monarch butterflies to monitor migration patterns
- 2014-Present Volunteer Water Quality Data Collector | Salt River Watershed Watch.
- Contribute water quality data to the state database several times each year to monitor issues related to human health and ecological health.
- 2000-Present President and Reunion Committee Member | Atherton High School Class of 2000
- Plan class reunions with a small committee.
- 2019 Award application reviewer
- UL Innovative Education Award
- 2014-2019 Citizen Forester | Louisville Grows
- Led teams of volunteers at tree planting events in neighborhoods with low canopy coverage.
- 2015-2017 Program Committee Chair | Louisville Audubon Society
- Invited guest speakers and coordinated events related to ornithology and habitat restoration.

## Certifications

- Justice, Equity, Diversity, and Inclusion in Environmental Education | Kentucky Association for Environmental Education | completed August 2021
- Wilderness First Responder and CPR | SOLO | Completed February 2020, Expires February 2023
- Nonprofit Leadership and Administration, Certificate of Residency | North Cascades Institute | March 2008

## Awards

- National Biodiversity Championship.* Winning Team Captain (August 2019) Natural History Section, Ecological Society of America.
- Program of Excellence Award.* Children At Play Network Team Member (June 2019) American Public Gardens Association.
- Green Award.* Winner (October 2012) North Cascades National Park.

**Professional Affiliations**

North American Association for Environmental Education (NAAEE)

Ecological Society of America (ESA)

Kentucky Association for Environmental Education (KAEE)

Kentucky Academy of Science (KAS)