

Frederick A. W. L. Reppun

CURRENT POSITION

He'eia National Estuarine Research Reserve, University of Hawai'i
Education Coordinator

Kāne'ohe, HI
Jul. 2018 - Present

- Coordinating professional development and long-term coaching in pedagogy and place-based learning for a cohort of public elementary school and non-profit educators
- Supervising research-focused student internships and leading partnerships at the community-college level to provide local students with pathways into college and careers in natural and cultural resource stewardship
- Conducting outreach to improve public knowledge of estuaries and Reserve restoration activities

EDUCATION

The Ohio State University
Master of Science in Environmental Science, Specialization in Agroecosystem Science

Columbus, OH

Harvard University
Bachelor of Arts in Environmental Science and Public Policy, Cum Laude in Field

Cambridge, MA

RESEARCH AND PUBLICATIONS

Reppun, F., Deenik, J., Martin, J., and Hoy, C. "Effects of Fresh and Anaerobically Digested Algae (*G. salicornia*) as Soil Amendments on Pak Choy Yield and Nutrient Dynamics." *Agroecology and Sustainable Food Systems*. (In review).

Reppun, F., Syvertsen, J., Martin, J., Deenik, J., and Hoy, C. "Soil Management Practices of Farmers in the Kāne'ohe Bay Watershed and Potential for Implementing Algae-Based Soil Amendments." *Agroecology and Sustainable Food Systems*. (In review).

Frederick Reppun, Joshua H.S. Silva, Kylie Wong, and Jonathan L. Deenik. "A Soil Phosphorus Primer for Hawaiian Soils." *Soil and Crop Management* 33. College of Tropical Agriculture and Human Resources, University of Hawai'i at Mānoa, 2017.

"Invasive Algae as a Local Organic Soil Amendment: Agronomic and Ethnographic Assessment of Opportunities and Challenges." Master's thesis, The Ohio State University, 2016.

"Stages of Citizenship: Environmental Education in China's Primary and Secondary Schools." Undergraduate thesis, Harvard University, 2007.

PREVIOUS EXPERIENCE

PLACES Program, University of Hawai'i
Junior Specialist

Honolulu, HI
Jul. 2017 – Jun. 2018

Department of Tropical Plant and Soil Sciences, University of Hawai'i
Junior Extension Agent

Honolulu, HI
May 2016 - Jun 2017

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| Initiative for Food and AgriCultural Transformation, The Ohio State University <i>Graduate Administrative Assistant, PT</i> | Columbus, OH <i>Aug. 2014 - Aug. 2015</i> |
| Center for Industrial Ecology, Yale University <i>Research Assistant, Casual Hire, PT</i> | New Haven, CT <i>Dec. 2013 - May 2014</i> |
| Hui Ulu Mea 'Ai—for the Cultivation of Community Self-Reliance <i>Project Coordinator, Contract Hire, PT</i> | Kāne'ohe, HI <i>Oct. 2012 - Oct. 2013</i> |
| GoFarm Hawai'i, University of Hawai'i Windward Community College <i>Lecturer, Casual Hire, PT</i> | Kāne'ohe, HI <i>Oct. 2012 - Aug. 2013</i> |
| Wai'anae High School, State Department of Education <i>Part-Time Teacher</i> | Wai'anae, HI <i>Oct. 2012 - Apr. 2013</i> |
| MA'O Organic Farms, Wai'anae Community Redevelopment Corporation <i>High School Program Coordinator</i> | Wai'anae, HI <i>Jan. 2010 - Sept. 2012</i> |
| Powisset Farm, The Trustees of the Reservations <i>Assistant Farm Educator</i> | Dover, MA <i>Jun. 2009 - Aug. 2009</i> |
| Urban Ecology Institute, Boston College <i>Education Program Assistant, AmeriCorps VISTA</i> | Boston, MA <i>Jan. 2008 - Jan. 2009</i> |

GRANTS AND AWARDS

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| NOAA Bay-Watershed Education and Training Program <i>Building a Learning Community in He'eia teacher professional development program, \$117k</i> | <i>Oct. 2019</i> |
| College of Food, Agricultural, and Environmental Science, The Ohio State University <i>Environmental Graduate Research Fellowship</i> | <i>Aug. 2015</i> |
| The Ceres Trust <i>Graduate Research Grant</i> | <i>Jun. 2015</i> |
| Dean's Summer Research Fund and Harvard University Center for the Environment <i>Undergraduate Summer Research Grant</i> | <i>Jun. 2006</i> |

SELECTED PRESENTATIONS/LECTURES

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| National Estuarine Research Reserve System Annual Meeting Reppun, F., Rii, S. et al. (2019). "Student Researchers as a Source of Knowledge in the He'eia NERR." | Charleston, SC |
| Hawai'i Conservation Conference Reppun, F. and Hintzen, K. (2019). Blending Research, Education, and Training the He'eia NERR. | Honolulu, HI |
| Pacific Water Conference Reppun, F. and Falinski, K. (2019). Engaging Community to Restore Wetland Kalo and Study Water Recharge. | Honolulu, HI |
| National Estuarine Research Reserve System Annual Meeting Reppun, F., Hintzen, K., Rii, S., and Winter, K. (2018). Restoring to the future: reviving <i>ahupua'a</i> in the 21 st Century. | Duluth, MN |