

Linden M. Schneider, MS

Junior Researcher

Natural Resources and Environmental Management, University of Hawai'i at Mānoa

Hawai'i Partnership for Climate-Smart Commodities

lindenc@hawaii.edu|707-495-6730

Education

<u>Degree</u>	<u>University</u>	<u>Major</u>
MS	University of California, Berkeley	Environmental Science, Policy, and Management: Biogeochemistry
BA	Sonoma State University	Botany, Minor Chemistry (<i>summa cum laude</i> with distinction)

Professional Appointments

<u>Title</u>	<u>Employer</u>	<u>Dates Employed</u>
Junior Researcher	University of Hawai'i at Mānoa	Sept 2023 to Present
Assistant Director	Maine Agricultural and Forest Experiment Station	May 2022 to July 2023
Research Development Specialist	University of Maine	July 2021 to May 2022
Consultant	Quivira Coalition	Sept 2020 to June 2021
Director	Carbon Ranch Initiative, Quivira Coalition	July 2019 to Feb 2020
Online Education Coordinator	Santa Fe Institute	Mar 2018 to Sept 2019
Administrative Director	Juniper Hill Center	July 2017 to July 2020
Graduate Student Researcher	University of California, Berkeley	Aug 2014 to May 2017
Senior Nursery Technician/ Staff Research Associate II	University of California, Berkeley	May 2013 to July 2014
Senior Nursery Technician	University of California, Berkeley	Oct 2011 to May 2013
Marine Ecology Research Assistant	Sonoma State University	June 2011 to Oct 2011
California Environmental Quality Act Research Assistant	Sonoma State Field Stations and Nature Preserves	June 2010- Apr 2011
Herbarium Curatorial Assistant	North Coast Herbarium of California	Sept 2009 - May 2011
Floristic Surveyor	California Native Plant Society	Feb 2010- Dec 2010
Water Quality Research Assistant	Sonoma State University	June 2008 - Dec 2010

Courses Taught

Course ID and name (credits)

ESPM 117 Urban Garden Ecosystems

Publications (reverse chronological order)

Striker, E., and Schneider, L. (2021). Soil Health Workbook: Fundamentals, Principles, and Management, For Producers and Technical Service Providers In The Dryland Intermountain West. *Quivira Coalition*, Santa Fe, New Mexico.

Ciano, J., Ortiz, T., Striker, E., and Schneider, L. (2021). "Rural Dryland Composting: Aerated Static Pile and Worm Composting." *Quivira Coalition*, Santa Fe, New Mexico.

Pallud, C., Rhoades, C. C., Schneider, L., Dwivedi, P., & Borch, T. (2020). Temperature-induced iron (III) reduction results in decreased dissolved organic carbon export in subalpine wetland soils, Colorado, USA. *Geochimica et Cosmochimica Acta*.

Borch, T., Rhoades, C., Barreyre, J., Schneider, L., Pallud, C (in prep.) "Reframing the redox ladder: Implications for the coupling of the sulfur, iron, and carbon cycles in subalpine wetlands."

Cohen, M. F., Hare, C., Kozlowski, J., McCormick, R. S., Chen, L., Schneider, L., ... & Grewell, B. J. (2013). Wastewater polishing by a channelized macrophyte-dominated wetland and anaerobic digestion of the harvested phytomass. *Journal of Environmental Science and Health, Part A*, 48(3), 319-330.

Schneider, L. (2011). Effect of Harvesting on the Phosphate Removal Efficiency of Channelized Aquatic Scrubbers in a Temperate Climate. *Sonoma State University NoGAP/ McNairs Scholars Research Journal*.

Grant Support

Title of Grant: USDA Foundational and Applied Conference Grant: PFAS (per-polyfluoroalkyl substances) and Agriculture regional conference and partnership with Michigan State University and USDA ARS for national symposium

Source of Grant: USDA

Total Dollar Value (Your share of the grant value): \$75,000 (\$25,000)

Dates of Grant: 2023

Title of Grant: USDA NRCS Conservation Collaboration Grant: Soil Health Plans and Regenerative Agriculture Curriculum

Source of Grant: USDA

Total Dollar Value (Your share of the grant value): \$350,000

Dates of Grant: 2020

Title of Grant: Western SARE: Compost application on rangeland in the semi-arid southwest for increased soil C storage and forage production

Source of Grant: Western SARE

Total Dollar Value (Your share of the grant value): \$19,981

Dates of Grant: 2020

Title of Grant: Western SARE: Compost application on rangeland in the semi-arid southwest for increased soil C storage and forage production
Source of Grant: Western SARE
Total Dollar Value (Your share of the grant value): \$19,981
Dates of Grant: 2020

Presentations at Conferences

Title: Co-occurrence of Sulfate and Iron Reduction in Sub-alpine Wetland Soils
Authors (put an asterisk on the presenter): Schneider, L., Barreyre, J., Borch, T., Rhoades, C., Pallud, C
Name of Conference: Soil Science Society of America
Location: Phoenix, AZ
Date of Presentation: November 2016

Title: Impact of Temperature and Hydrological Residence Time on the Fate and Transport of Iron and Organic Carbon in Subalpine Wetlands
Authors (put an asterisk on the presenter): Schneider, L., Borch, T., Rhoades, C., Pallud, C
Name of Conference: American Geophysical Union
Location: San Francisco, California
Date of Presentation: December 2015

Title: Impact of Temperature and Hydrological Residence Time on the Fate and Transport of Iron and Organic Carbon in Subalpine Wetlands
Authors (put an asterisk on the presenter): Schneider, L., Borch, T., Rhoades, C., Pallud, C
Name of Conference: Soil Science Society of America
Location: Minneapolis, Minnesota
Date of Presentation: November 2015

Title: Temperature and redox effects on iron reduction kinetics and organic carbon transport in wetland soils
Authors (put an asterisk on the presenter): Pallud, C., Schilling, K., Schneider, L., Borch, T., Rhoades, C
Name of Conference: Goldschmidt Conference
Location: Prague. Czech Republic
Date of Presentation: August 2015

Title: Biogeochemical iron cycling in subalpine wetlands: Kinetics and impact on organic carbon transport
Authors (put an asterisk on the presenter): Pallud, C., Schilling, K., Schneider, L., Borch, T., Rhoades, C
Name of Conference: American Geophysical Union Joint Assembly
Location: Montreal, Canada
Date of Presentation: May 2015

Title: Spatial and Temporal Variation in Calcium Carbonate Content and Growth of Articulated Coralline Algae in Northern California

Authors (put an asterisk on the presenter): Wood, M.E., Schneider, L., Nielsen, K.J.

Name of Conference: Western Society of Naturalists Meeting

Location: Monterey, California

Date of Presentation: November 8, 2012

Title: Coralline algal turf communities in Northern California: Community structure and potential as a bioindicator of local seawater carbonate saturation state

Authors (put an asterisk on the presenter): Schneider, L.M, M.Wood, T. Nguyen, K. Nielsen

Name of Conference: Beyond the Golden Gate Research Symposium

Location: San Francisco, California

Date of Presentation: November 1, 2011