Growing the leaders of tomorrow with the environmental challenges of today



Galbreath Wildlands Preserve – 3,670 acres
Fairfield Osborn Preserve – 450 acres
Los Guillicos Preserve – 40 acres

Center for Environmental Inquiry Sonoma State University 1801 East Cotati Avenue Rohnert Park, CA 94928

www.sonoma.edu/cei



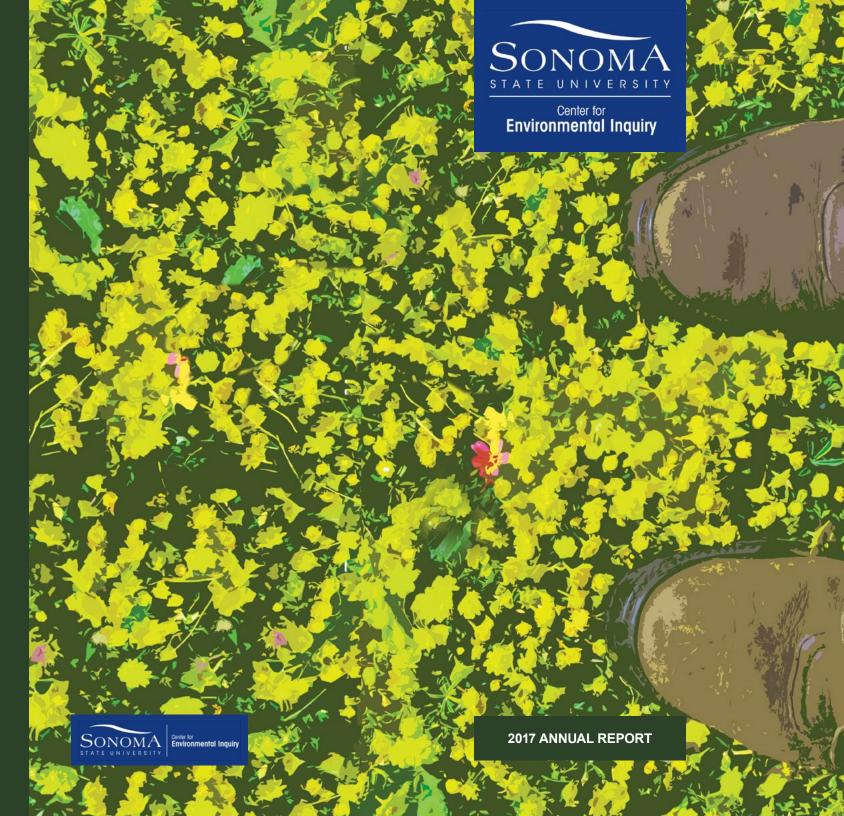
facebook.com/SSUCEI



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Photography: Jim Coleman, Peter Gordon, Center staff

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"We believe the Center serves as a model for a 21st century education. We want to give our students more than just a degree. We want to give them hands-on experiences working with our community to solve its toughest challenges."

Dr. Judy Sakaki President, SSU



"The Center provides unparalleled opportunities for our students to develop skills and knowledge about sustainability and the environment."

Dr. Lisa Vollendorf Provost, SSU



"Supporting the Center means our students will grow. The Center brings the resources, information, and logistic support our faculty needs to get students working on pressing environmental issues."

Dr. Lynn StaufferDean of Science and Technology, SSU



CREATING AN ENVIRONMENTALLY READY GENERATION



Dr. Claudia LukeCenter Director

Today, we face the biggest environmental challenges in history. Sonoma State is tackling that challenge head on by training a new generation of leaders — leaders who learn their craft by working in their communities on environmental solutions.

This year at the Center, over 900 students investigated real-world environmental challenges – a 22% increase over last year. These experiences were made possible by partnerships between 47 faculty and 52 community partners. And we laid the foundation for future growth with new overnight facilities and community educational programs.

Join us in taking a bold new approach to creating a positive future. With the enthusiastic support of our new president, Judy Sakaki, we are working hard to reach all students on campus.

We couldn't achieve these results without the support of our corporate partners, donors and community. Please consider a donation this year to make a real difference in growing a sustainable future.





105 Projects The Center collaborates with and supports faculty from schools across campus to get students working on environmental projects.

Water

- Flood warning systems
- · Climate characterization
- · Water- and land-use planning tools
- · Water quality monitoring
- · Community perspectives on water
- · Antibiotics in waste water
- · Erosion and flooding
- · Rainwater collection systems

Environmental Technology

- Electricity production from wastewater
- Above- and below-ground environmental sensor networks
- · Wildlife image processing
- Drones for measuring landscape changes
- · Mobile data harvester
- · Environmental data sharing

Environmental Education

- · Social robots that teach children
- Elementary school tours and curriculum development

Arts

- · Environmental sculpture
- · Natural materials art
- Photography

Habitat Restoration

- · West county habitat restoration
- · Sudden Oak Death transmission
- Invasive animals and plants
- Threats to oak woodlands
- Utility line effects on native plants
- Effects of grazing on native plants and animals
- · Habitat quality of protected species

FROM OUR STUDENTS



Rafael Diaz Engineering Science Visicon Tech

"The image-processing work helped me land the job. Thank you for teaching and guiding me through the internship."



Ana Torres
Environmental Studies
California Fish and Wildlife

"The program gave me a new perspective on science and helped steer me toward my future career."



Garrett ShipwayNaturalist & Student Land
Steward

"I gained valuable problem solving, management and resource prioritization skills that give me a competitive edge in my career as a marine biologist."



Makayla Freed Naturalist & Student Land Steward

"The Center's internship programs have opened more doors for me on a professional and personal level than I had ever thought possible."







2017 Partnerships

- 49 Faculty
- 52 Organizations
- 26 Disciplines



Dr. Farid FarahmandProfessor Engineering
Science

"With the Center, we are providing students the opportunity to work on cutting edge technologies."



Dr. Nathan Rank Professor Biology

"Working with the Center as an educator, I am able to help students learn the things they can't learn in the classroom."

Participating Faculty The Center supports faculty to give their students valuable skills and experience working with partners.

Anthropology: Thomas Whitley Art:
Nathan Haenlein, Mads Lynnerup,
Greg Stimac Biology: Lisa Bentley,
Mike Cohen, Hall Cushman,
Nick Geist, Derek Girman, Fran
Keller, Melina Kozanitas, Nathan
Rank, Tamas Torok Chemistry:
Mark Perri Communications:
Emily Acosta Lewis Engineering

Science: Farid Farahmand, Gurman Gill Environmental Studies and Planning: Jeff Baldwin, Caroline Christian, Jacquelyn Guilford, Heidi Herrmann, Mike Moore, Wendy St. John, Karna Wong Extended Education: Alejandra Warden Geography: Matt Clark, Michelle Goman Geology: Owen Anfinson,

Nicole Myers History: Kathleen
Noonan Hutchins Liberal Arts: Russ
Scarola International Education:
Roberta Hodges Math & Statistics:
Grace Brown, Martha Shott
Philosophy: Gillian Parker, John
Sullins Political Science: Emily Ray
Physics and Astronomy: Jeremy
Qualls, Scott Severson Psychology:

Scott Eberle Sociology: Wendy Brown Theatre Arts & Dance: Scott Horstein University Studies: Bruce Peterson Women & Gender Studies: Laurel Holmstrom-Keyes Other Universities: Ross Meentemeyer, Charles Mitchell, David Rizzo





Keenan Foster
Principal Environmental
Specialist
Sonoma County Water
Agency

"Students are coming out of Sonoma State with a skill set that is above and beyond the skill sets we are seeing coming out of other schools."



Dr. Victoria Wojcik Research Director Pollinator Partnership

"We have been able to teach SSU students specialized skills needed to understand the complexities of vegetation management and pollinator response."



Eric Brown
Electric Transmission &
Distribution Manager
Sacramento Municipal
Utility District

"We are thrilled to partner with the Center to train the environmental industry leaders of tomorrow."



Partnering Organizations The Center helps to maintain long-term partnerships with community partners

AeroTestra, Americorps NCCC, Annadel State Park, Analytical Sciences, Anderson Valley Unified School District, Anderson Valley Land Trust, Animal Control Mendocino County, Bellevue Elementary, Boonville Garden and Elder Home, Brook Haven Elementary, California Department of Fish & Wildlife, California Department of Water Resources, California Lichen Society, City of Rohnert Park, Cloverdale High School, Conservation Corps North Bay, Crescent Montessori Elementary, D'Argenzio Winery, Daily Acts, Drought Net, Gold Ridge Resource Conservation District, Grant Elementary, Hidden Valley Elementary, Hopland Research Extension Center, Jack London Elementary, James Monroe Elementary, La Tercera Elementary, Madrone Audubon Society, Mark West Elementary, Mendocino County Resource Conservation District, Mill Valley Elementary, Miwok Valley Elementary, National Resource Conservation Service, Oak Grove Elementary, Occidental Arts & Ecology Center, Outward Bound California, Pacific Gas & Electric Company, Pacific Watershed Associates, Pepperwood Preserve, Pollinator Partnership, Proctor Terrace Elementary, Real Good Designs, Richmond College Prep, Sacramento Municipal Utility District, Social Advocates for Youth, Sonoma County Agricultural Preservation & Open Space District, Sonoma County Water Agency, Sonoma County Trails Council, Sonoma County Youth Ecology Corps, Sonoma Land Trust, Sonoma Mountain Ranch Preserve, Sonoma Resource Conservation District, Sonoma State Facilities, SSU Garden Classroom, SSU Join Us Making Progress, TREE Fund, UC Davis Bodega Marine Reserve, UC Cooperative Extension, US Fish & Wildlife, US Forest Service, United Arborists Association



THANK YOU VOLUNTEERS

Volunteers make an impact



Sean Headrick
Principal
AeroTestra

"Volunteering AeroTestra's expertise and technological capability allows us to engage the curiosity and passion of students as we all work together to shape our future."



Peter Gordon Mendocino County Community Member

"We created a valuable citizen-science project that tracks mammal movements with wildlife cameras at the Galbreath Preserve."



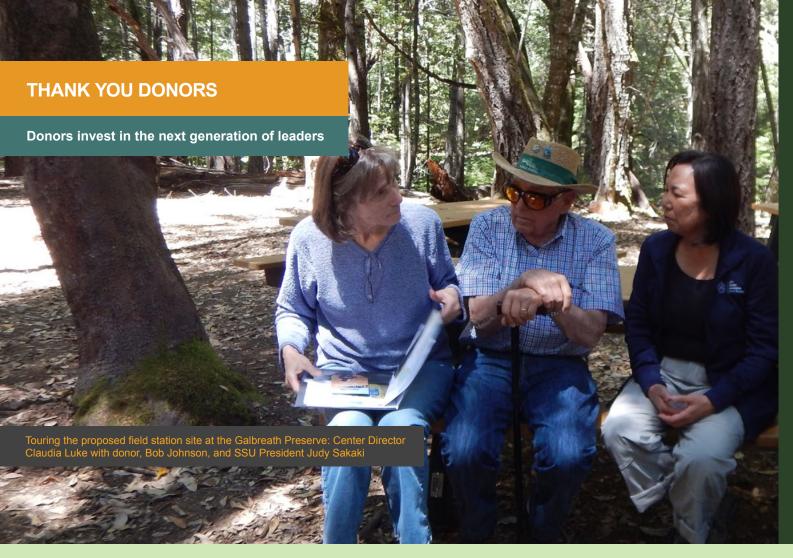


2017 Volunteers Thank you to our volunteers who made Center programs a success.

Galbreath Preserve: Andy Balestracci, Lisa Bauer, Alice Bonner, Ric Bonner, Pam Callaghan, Johanna Cummings, Lori Dudzik, Nancy Armstrong-Frost, Curtis Frost, Peter Gordon, Jill Hannum, Bob Keiffer, Doug Labat, George Lee, Kit Lee, Debby Mefferd, Linda Nayes, Xavier Neher, Mark Rawlins, Lisa Walsh, Tina Walter

Osborn Preserve: John Branscome, Diane Fritz, Kara Haley, Janet Henker, Michael Knappman, Bruce Linscott, Luke Linton, Elias Lopez, John Lynch, Laurie Marshall, Jessica McCready, Nicole McGloin, Becky Olsen, Jesica Rodriguez, Garrett Shipway, David Stark, Virginia Hotz-Steenhoven, Jon D. Steenhoven, Claire Sugihara, Kate Symonds, Ana Torres, Stream Tuss, Valerie Vallentyne, Danielle Wagoner, Mike Weihman, Ryan Williamson, Megan Wilson

Campus: Juli Brode, Annemarie Brown, Vic Liptak, Tania Montes





Dr. Bob JohnsonDonor

"I support the Center to raise student awareness of their connections with the land, sea, and air, and give them the skills to care for such irreparable resources."



Marthe Norwick
Donor
Founding member
of the Steve Norwick
Memorial Fund

"Steve Norwick was dedicated to environmental education and preparing students for careers in water resources management. The Norwick family is proud to provide research scholarships to Sonoma State students in his memory."



2017 Donors Thank you to our donors for funding Center programs!

*Legacy or planned gift or endowment

Visionaries \$500,000 & above

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Benefactors \$20,000 - \$499,999

Pacific Gas & Electric Company, Ana Roth, Jessica Roth, Maggie Roth, Georgette Skellenger*, Daphne Smith*, Terri & David Yost

Pioneers \$5,000 - \$19,999

Jim & Linda Kuhns, Dan & Robbie Rhodes, Jean Schulz

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Dr. Chris Halle Nature!Tech Lead



Suzanne DeCoursey Education Manager



Anne ReevesDirector of
Communications



Margot Rawlins
Galbreath Preserve
Program Coordinator



Kerry WiningerOsborn Preserve
Program Coordinator

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