

"At this moment in time, we are called to lead and act with courage. We are called to embrace change. Change in our societies. Change in the management of our economies. Change in our relationship with our one and only planet."

Unitied Nations 2014, p. 3





SUSTAINABLE GENALS DEVELOPMENT GENALS





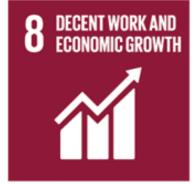


















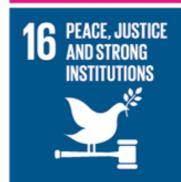


















Role of Higher Ed

- Graduates
- New Knowledge
- Communication
- Operations





Transformational Goal

An Environmentally Ready Society

...one where everyone has the skills to find solutions to challenges facing the North Bay.





Role of Higher Ed

Graduates in all disciplines:

Understand human-environment interactions

Are excellent communicators, problem-solvers, and collaborators





Environmentally Ready Graduates?

Understanding?



63 hrs/wk

digital media use by 12-18 year olds

Communicators?



58%

executives who can't find communicators

All Sectors?



few

degrees requiring an environmental component

Knowledge?



86%

US population environmentally illiterate



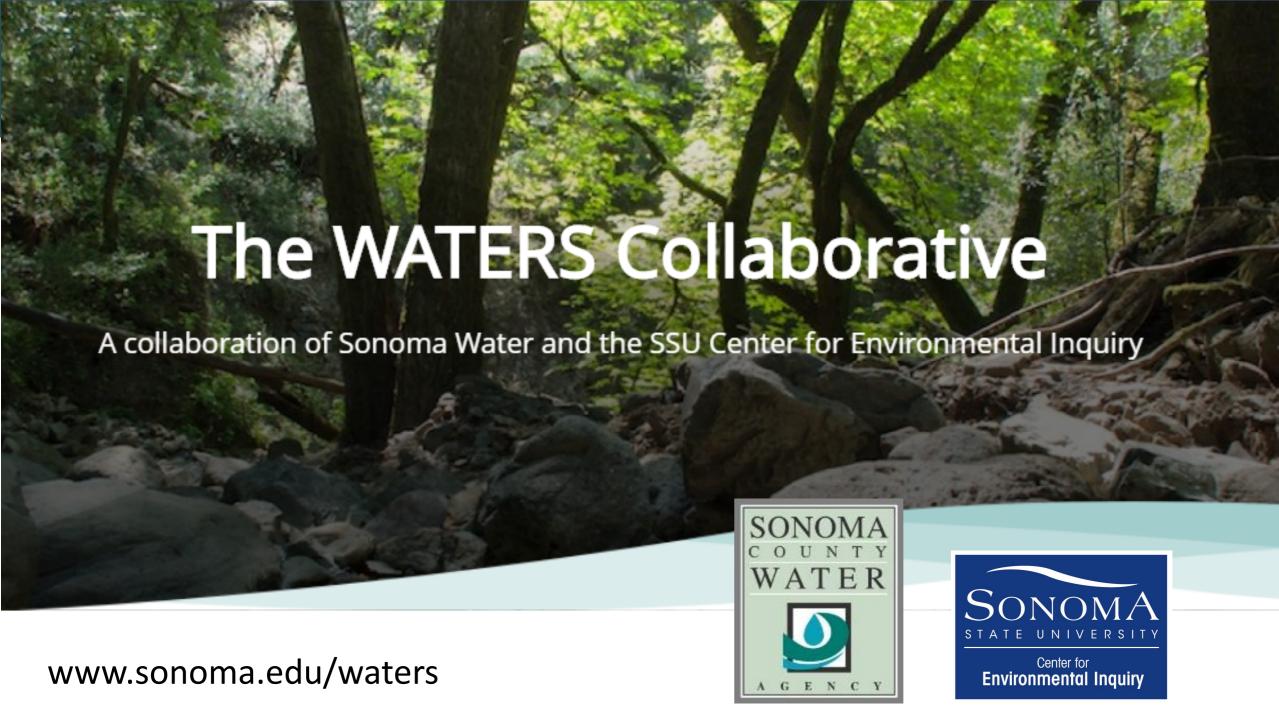
Center for Environmental Inquiry

Education for a changing planet:

- First-hand understanding of our connection with the environment
- Skill-building experiences
- Innovative solutions







WATERS Accomplishments

- ▶ 229 projects
- 2,691 students (118 courses)
- 20+ partners/yr
- ▶ 30 faculty/yr; 15+ departs/yr
- Internships & jobs





Topics

- Sediment and Erosion
- Restoration
- Water Quality
- Availability and Use
- Communication
- Land Use Planning





Disciplines

- Science & Technology
- Land Use Planning
- Communication
- Business
- Philosophy
- Political Science
- History





Flood

Challenge

Flooding Lichau Road access

Project

Flood modeling of Copeland Creek

Results

Sonoma Water flood control design





Invasive Aquatics

Challenge

Ludwigia invasion in the Laguna

Project

Plant response to channel design

Results

Channel design for invasive species control





Land Use Planning

Challenge

Water integration in land use planning

Project

General Plan assessments

Results

Issues, goals, policies, actions, success indicators





Transformative Impact



I am walking away with valuable skills: teamwork, leadership, communication, and creativity.



Nicole Manzares



Sustainable SSU

- Presidents' Climate Leadership
 Commitment April 5, 2019
- President's Sustainability
 Advisory Council Oct 25, 2019
- Climate Action Plan April 5, 2020

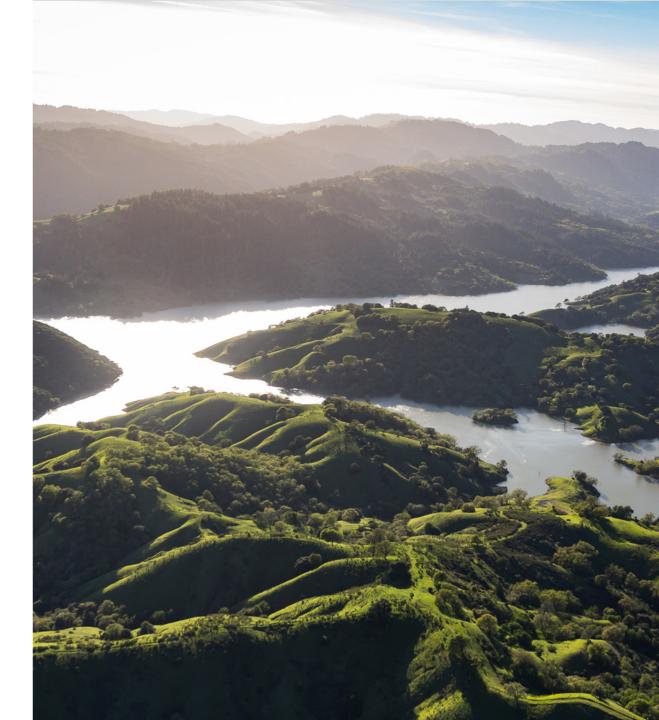




Renewed Commitment

- Build on success of WATERS and other programs
- Focus on viable solutions and real impact
- Engage faculty and students across all disciplines
- ▶ Enhance public awareness of the complexity of issues.

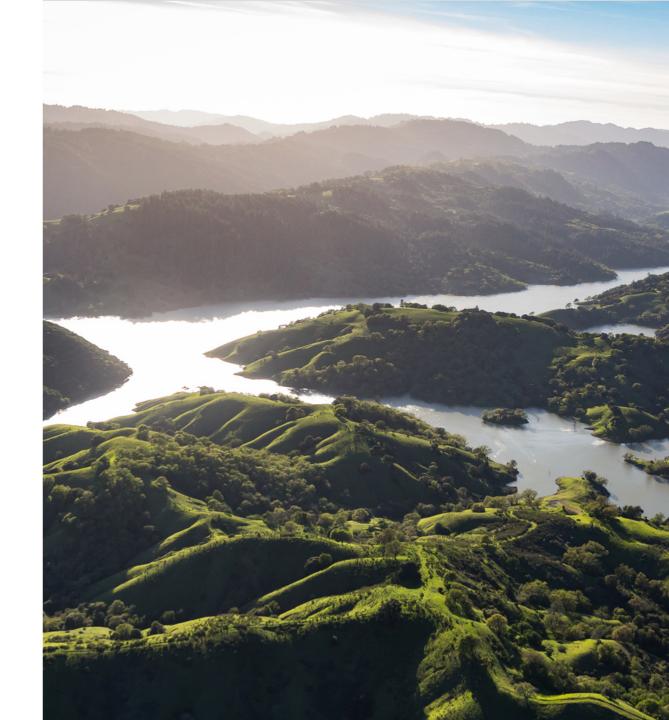




Rising Waters Initiative

- Complex high-priority issues surrounding water
- Neutral meeting ground for diverse partners
- Cross-disciplinary engagement to address cultural, economic and environmental issues
- Facilitated process targeting innovative and practical solutions

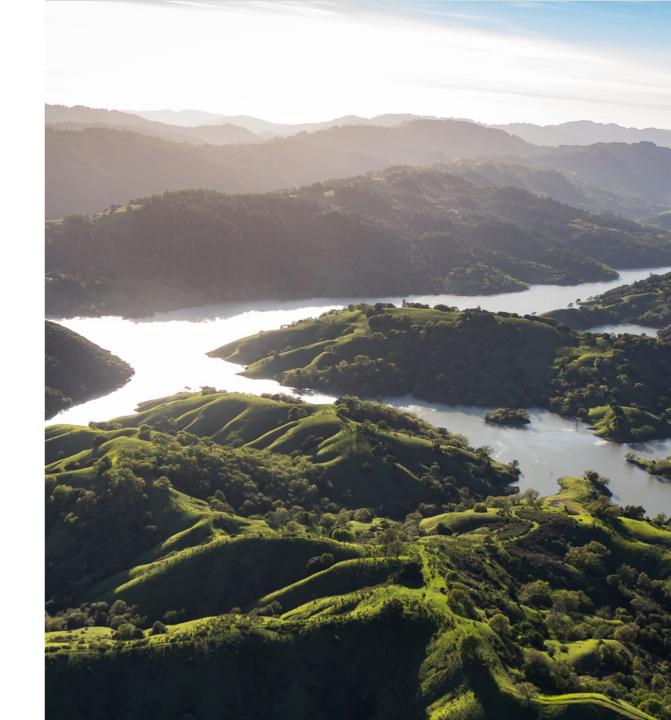




Rising Waters Process

- Rising Waters Working Group identifies issue(s)
- Multi-disciplinary faculty-student teams collect and summarize data
- Collaborative brainstorm for solutions and cost-benefit analysis by teams
- Presentations and reports





Yr 1: Homelessness in Watersheds

- flood protection
- water quality
- sanitation/health
- habitat conservation





Yr 1: Homelessness in Watersheds

- recreation
- human right to water
- economic impacts

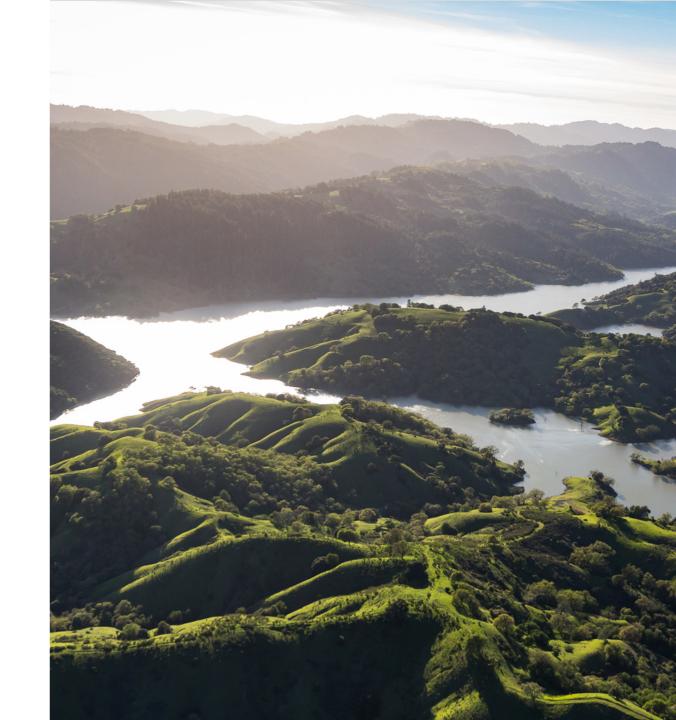




Benefits to Partners

- Viable solutions on emerging complex issues
- New partnerships and facilitated cross-disciplinary discussions
- Enhanced public awareness on complex issues
- Trained workforce





Regional Board Opportunity

What shall we accomplish together?

