

Logo and Preamble



UC Environmental Stewards Alumni Impact Survey

Investigator: Sarah-Mae Nelson

Introduction and Purpose

You are being invited to join a research study. If you agree to be in this research, you will be asked to **evaluate various aspects of UC Environmental Stewards**

courses - California Naturalist and UC Climate Stewards - including, but not limited to, participant demographics and motivation for taking the course, participant satisfaction in the course, participant activities after the course, any impacts that may have resulted from participation in the course. Your taking part in this research **should take about 10-15 minutes**.

A few of the questions were taken from the DEVISE (Developing, Validating, and Implementing Situated Evaluation Instruments) Project through Cornell University, which measure outcomes such as interest, motivation, self-efficacy, and skills in the topic of interest. These questions do not necessarily reflect the current state of climate science, natural resources or natural history, nor the opinions of the University of California.

Taking part in research is completely voluntary. You are free to decline to take part in the project or you can stop taking part in the project at any time. This survey is designed to be anonymous, meaning that there should be no way to connect your responses with you. By completing and submitting the survey, you affirm that you are at least 18 years old and that you give your consent for UC Environmental Stewards to use your answers in their curriculum development and comparative research.

Questions

If you have any questions about this research, please feel free to contact Sarah-Mae Nelson at ucenvironmentalstewards@ucanr.edu.

We will use your information to conduct this study. Leftover data collected for this research may also be used for future research studies. We will not share any

personally identifiable information. Our goal is to make more research possible. These studies may be done by researchers at this institution or other institutions. Data may be placed in one or more external scientific databases for access and use. We will not ask you for additional permission to share de-identified information.

To begin the survey, click the blue "NEXT" button below. Clicking the "NEXT" button indicates that I have read the description of the Alumni Impact Survey and I agree to participate in the study.

Part 1: Questions About You

Part 1. Questions About You

Which course did you take?

- ☐ Climate Stewards course
- ☐ California Naturalist course
- ☐ Both

Please enter the year (yyyy) you took the California Naturalist course.

Which organization did you take the California Naturalist course with?

Other Organization (please specify below)

Please enter the year (yyyy) you took the Climate Stewards course.

Which organization did you take the Climate Stewards course with?

Other Organization (please specify below)

What is your gender?

- ☐ Woman
- ☐ Man
- ☐ Non-binary
- ☐ Gender identity not listed above (please specify below)

- ☐ Prefer not to state

What is your race and/or ethnicity? (Select all that apply.)

- ☐ American Indian or Alaska Native or Indigenous or Native American: a person having origins in any of the original peoples of North and South America—including Central America—and who maintains tribal affiliation or community attachment

- ☐ Asian or Asian American: a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, The Philippine Islands, Thailand and Vietnam
- ☐ Black, African, Afro-Caribbean, or African American: a person having origins in any of the black racial groups of Africa
- ☐ Hispanic or Latino/a/e/x: a person of Cuban, Mexican, Chicano, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race
- ☐ Middle Eastern or North African: a person having origins in any of the original peoples of the Middle East or North Africa
- ☐ Native Hawaiian or other Pacific Islander: a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands
- ☐ White: a person having origins in any of the original peoples of Europe
- ☐ Race not listed above, Other, or Prefer to self-describe (please specify below)
- ☐ Prefer not to state

Part 2: About Your Experience

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Reflecting back on your experience with the course, what

were your reasons for taking the course?

Reflecting back on your experience with the course, how satisfied are you with the knowledge, skills, and experience you may have gained?

- ☐ Satisfied
- ☐ Somewhat satisfied
- ☐ Neither satisfied nor dissatisfied
- ☐ Somewhat dissatisfied
- ☐ Not satisfied

Reflecting back on your capstone/stewardship project—after the course was completed—did your project continue having an impact within any communities and/or ecosystems that are a direct result of the project?

(For example, the field guide you designed was printed and is/was being distributed at a partner organization; the native plant garden you helped to plant persisted for a time; the video you made is/was shared on social media;

or you presented your drought tolerant yard plan to your HOA.)

- ☐ Yes
- ☐ No
- ☐ I don't remember what my project was

Please briefly describe the continuing impact(s) of your capstone/stewardship project.

As a result of taking the course, did you engage in this field or any related fields through volunteer service, work-for-pay, or both?

- ☐ Volunteer Service
- ☐ Work for pay
- ☐ Both

Did participating in the course improve your capacity to do volunteer service? (select all that apply)

- ☐ It improved my capacity to do volunteer service
- ☐ It improved my capacity and I began volunteering more
- ☐ It did not improve my capacity to do volunteer service

Did participating in the course improve your capacity to do work-for-pay? (select all that apply)

- ☐ It improved my capacity to do work-for-pay
- ☐ It improved my capacity to do work-for-pay and helped me find new work in a related field
- ☐ It improved my capacity to do work-for-pay and helped me advance in my career (that is, I was promoted or moved to a higher level position in another job)
- ☐ It did not improve my capacity to do work-for-pay

Did having this certification play a part in you getting new work in a related field or advancing in your career?

- ☐ Yes (please briefly describe)
- ☐ I'm not sure
- ☐ No

Did the course change your academic or career goals in any way?

- ☐ Yes
- ☐ No

Please describe how your academic or career goals have changed as a result of taking the course. (Select all that apply.)

- ☐ I went to school to pursue another degree.
- ☐ I went back to school to complete a degree.
- ☐ I changed my degree field of study.
- ☐ I left my old career to pursue a new career related to climate and/or the environment.
- ☐ I shifted my focus within my existing career to center more on climate and/or the environment.
- ☐ Other (please describe below)

Is there anything else you'd like to share about how your academic or career goals changed as a result of taking the course.

Since becoming a California Naturalist or Climate Steward, has your visitation to California's protected open-space lands (including, but not limited to, state parks, natural reserves, wildlife areas, county parks) increased?

- ☐ My visitation increased
- ☐ My visitation stayed about the same
- ☐ My visitation decreased

Thanks for sharing about your experiences! Next, we'll ask some questions about what you have been doing since the course.

Part 3a: What You're Doing or Experiencing Now

Part 3. For this next set of questions, we would like you to respond based on how you feel/believe/think about each

statement. That is, please indicate how true each of the following statements **is** for you **now**.

These statements are about how you feel **CURRENTLY** about **your capacity to address environmental issues**.

Please indicate how much you **DISAGREE** or **AGREE** with each of the following statements about your influence on the environment by selecting the appropriate column.

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree
I believe that I personally, working with others, can help solve environmental issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compared to other people, I think I can make a positive impact on the environment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have greater understanding of how I can help lessen environmental impacts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe I take environmental stewardship more seriously and have a greater positive impact on environmental issues than most people.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel confident in my ability to help protect the planet.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Please indicate how much you **DISAGREE or AGREE** with each of the following statements about how you feel about **your communications-related skills** by selecting the appropriate column.

Begin each statement with "**I currently have the skills necessary to...**"

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
Communicate using trauma-aware practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Share mitigation and adaptation strategies to advance community and ecosystem resilience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Talk to my family, friends, and colleagues about climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicate about local climate impacts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Part 3b: How the Course Influenced You

These questions are about how the **California Naturalist** or **Climate Stewards** course **influenced the actions you take**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with "**As a result of becoming a Certified Climate Steward or California Naturalist, I ...**"

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... have taken action that has contributed to environmental equity/justice.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... provide service in support of my community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... have made choices/taken action that has contributed to my health and wellness.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... contribute to policy change within my organization, community, or state.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... made changes to my lifestyle that reduce/mitigate CO2 emissions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide a brief example of how you work to reduce/mitigate CO2 emissions.

Please provide a brief example of how you provide service in support of your community

Please provide a brief example of how you contribute to policy change within your organization, community, or state.

Please provide a brief example of how you have made choices/taken action that has contributed to your health and wellness.

Please provide a brief example of how you have taken action that has contributed to environmental equity/justice

These questions are about how you have integrated concepts from the **California Naturalist or Climate Stewards** course into **your everyday practice and behaviors**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with "**As a result of becoming a Certified California Naturalist or Climate Steward, I ...**"

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... found or reaffirmed my connection to place.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... try to emphasize locally- and culturally-relevant topics/examples/priorities when engaging with others to address climate and other environmental issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... connect with other California Naturalists and/or Climate Stewards on an informal basis to increase our collective impact.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... try to draw from multiple ways of knowing and being (such as, Indigenous and local knowledge) when working to address climate change and other environmental issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... connect with other California Naturalists and/or Climate Stewards on an informal basis to continue learning and/or refine my practice.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... have a better understanding of how climate and other environmental issues affect places where I live/work/play.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please briefly describe how you have connected with others to increase your collective impact.

These questions are about how the **Climate Stewards** course **influenced the actions you take**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with "**As a result of becoming a Certified Climate Steward, I ...**"

	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree
... increased my civic engagement in issues related to climate change.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... take action to adapt to climate impacts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Strongly disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Strongly agree

Strongly disagree Somewhat disagree Neither agree nor disagree Somewhat agree Strongly agree

... became involved in community-level, collective action to address climate change issues and impacts.

☐☐☐☐☐

Please provide a brief example of your civic engagement activities.

Please provide a brief example of what you have done to adapt to climate impacts.

Please provide a brief example of community-level, collective actions you are involved in.

These questions are about how the **Climate Stewards** course influenced **how you think about yourself**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with **"As a result of becoming a Certified Climate Steward, ..."**

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
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... my identity as a Climate Steward has become an important part of who I am.

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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... I consider myself an environmental steward (that is, someone who has a respectful, reciprocal relationship with the community of life and shares common goals of sustainability, resilience, and equity).

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree

... I developed a sense of agency (that is, I feel like the actions I take can make a difference) around climate issues and impacts.

☐ ☐ ☐ ☐ ☐

... I feel more resilient (that is, able to cope with adversity and adapt to challenges or change) when I think about how climate change will impact me personally.

☐ ☐ ☐ ☐ ☐

These questions are about how you have integrated concepts from the **Climate Stewards** course into **your everyday practice and behaviors**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with **"As a result of becoming a Certified Climate Steward, I ..."**

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... am more aware of how systemic racism and structural oppression are connected to the climate change and other environmental issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... began applying an interdisciplinary/transdisciplinary lens to climate change and other environmental issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... began approaching issues from the perspective of how humans are interwoven into the wider community of life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... began approaching issues from the perspective of the “whole person” (that is, mind, body, spirit, and emotions).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... see Climate Stewards as my community of practice. That is, I connect with other Stewards on an informal basis to continue learning, refine my practice, and/or to increase my impact as a steward.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

These questions are about how the **California Naturalist** course **influenced the actions you take**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with, **"As a result of becoming a Certified California Naturalist, I ..."**

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... take action to conserve biodiversity and natural resources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... increased my civic engagement in issues related to environmental issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... take action to contribute to pollution prevention.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide a brief example of how you contribute to pollution prevention.

Please provide a brief example of your civic engagement activities.

Please provide a brief example of your conservation actions.

These questions are about how the **California Naturalist** course influenced **how you think about yourself**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with "**As a result of becoming a Certified California Naturalist, I ...**"

	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... my identity as a California Naturalist has become an important part of who I am.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
... I developed a sense of agency (that is, I feel like the actions I take can make a difference) around environmental issues and impacts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Strongly disagree	Somewhat disagree	Neither disagree nor agree	Somewhat agree	Strongly agree
... I consider myself an environmental steward (that is, someone who has a respectful, reciprocal relationship with the community of life and shares common goals of sustainability, resilience, and equity).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

These questions are about how you have integrated concepts from the **California Naturalist** course into **your everyday practice and behaviors**.

Please rate your level of agreement with the following statements by selecting the appropriate column. Begin each statement with **"As a result of becoming a Certified California Naturalist, I ..."**

Strongly disagree Somewhat disagree Neither disagree nor agree Somewhat agree Strongly agree

... see California Naturalist as my community of practice. That is, I connect with other Naturalists on an informal basis to continue learning, refine my practice, and/or to increase my impact as a steward.

☐ ☐ ☐ ☐ ☐

Strongly disagree Somewhat disagree Neither disagree nor agree Somewhat agree Strongly agree

... began approaching issues from the perspective of how humans are interwoven into the wider community of life.

☐ ☐ ☐ ☐ ☐

Please provide examples of broader public benefits that you have contributed to in the areas of social,

environmental, and economic conditions as a result of certification as a California Naturalist / Climate Steward.

Thanks for sharing about what you have been doing since the course! Next, we'll ask some questions about volunteer work and work-for-pay.

Part 4: Volunteer Hours and Work-for-Pay

Please indicate which of the following statements most accurately applies to you:

- ☐ I have **not engaged** in any volunteer service as a result of becoming a California Naturalist/Climate Steward.
- ☐ I have engaged in volunteer service as a result of becoming a California Naturalist/Climate Stewards and **do not record it** in the Volunteer Portal.
- ☐ I have engaged in volunteer service as a result of becoming a California Naturalist/Climate Steward and **record a fraction** of it in the Volunteer Portal.
- ☐ I have engaged in volunteer service as a result of becoming a California Naturalist/Climate Steward and **record it all** in the Volunteer Portal.

- ☐ I have not engaged in volunteer service, instead I apply what I learned as a California Naturalist/Climate Steward **through my work**.
- ☐ I have engaged in **both volunteer service** as well as apply what I learned as a California Naturalist/Climate Steward through **my work**.

What fraction of your volunteer service do you estimate recording in the Volunteer Portal?

- ☐ 0 - 25%
- ☐ 26 - 50%
- ☐ 51 - 75%
- ☐ 76 - 100%
- ☐ I do not record it in the Volunteer Portal.

Thank you for answering our questions! We appreciate your time and attention. Is there anything else you would like to share with us about your experience?

Your answers are valuable to us and will be used to demonstrate the impact of our courses and our

program. Please press the blue "Submit" button to record your responses.

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