



**O'AHU
RESOURCE
CONSERVATION &
DEVELOPMENT COUNCIL**

PO Box 209, KUNIA, HAWAII 96759

808-622-9026

WWW.OAHURCD.ORG

January 14, 2022

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Dave Elliott

Mr. Alec Y. Wong, Professional Engineer, Chief
Hawaii State Department of Health, Clean Water Branch
2827 Waimano Home Road, Rm 225
Pearl City, HI 96782

ASO Log No. 22-083

Dear Mr. Wong,

Enclosed please find the quarterly status report for O'ahu Resource Conservation & Development Council's project entitled "Agricultural Stewardship and Stream Restoration in Ki'iki'i and Paukauila Watersheds." This report covers activities completed between October 1, 2021 and December 31, 2021. Per contract agreement, we have submitted an invoice for this quarterly status report.

The O'ahu RC&D appreciates the opportunity to work with the Department of Health and our partners to improve water quality in the Ki'iki'i and Paukauila watersheds.

If you have any questions or concerns, please don't hesitate to call.

Sincerely,

Dave Elliott
Executive Director

cc: Scott Miyashiro and Joanna Yeh, via email

Department of Health Clean Water Branch Polluted Runoff Control Program

Quarterly Status Reporting Form
Clean Water Act 319(h) NPS Implementation Program

Quarterly Status Reports are required per contract terms. If no work was done during the reporting period, the CONTRACTOR must provide an explanation of the circumstances. This Quarterly Status Report is for the period indicated below (check only one and insert year):

| | | | |
|----------|-------------------------|-------------|---------------------------------|
| _____ | January 1 - March 31 | _____ | (Due April 15 th) |
| _____ | April 1 - June 30 | _____ | (Due July 15 th) |
| _____ | July 1 - September 30 | _____ | (Due October 15 th) |
| <u>x</u> | October 1 - December 31 | <u>2021</u> | (Due January 15 th) |

Project Title: Agricultural stewardship and stream restoration in Ki'iki'i and Pauikauila watersheds

Project Start/Completion Date: September 30, 2021 / September 30, 2023

Estimated % of Project Completed: 15%

Estimated % of Grant Funds Previously Requested: 0%

Quarterly Status Report Number: 1

Name, telephone number, and e-mail of person to be contacted for questions regarding this report: Dave Elliott, 808-622-9026, dave.elliott@oahurcd.org

Please provide the following information for this reporting period. Additional sheets may be attached:

1. Progress/tasks started and/or completed as defined in the Contract's Scope of Services during current reporting period.

A. Summary of work completed (list all tasks and deliverables):

| Task/Deliverable | Date Task Completed/ Deliverable Submitted |
|--|---|
| Submit names and credentials of personnel hired | Submitted with QSR1 |
| Submit draft Project Effectiveness Monitoring Plan | Submitted, QSR1 |
| Begin riparian landowner outreach | Initiated, QSR1 |
| Begin conducting site visits to target farms for conservation plans and/or Best Management Practice ("BMP") implementation | Initiated, QSR1 |
| Begin attending community meetings and engaging local stakeholders | Initiated, QSR1 |
| Establish BMP Investment Fund | Completed, QSR1 |
| Begin requesting applications for first round of BMP Investment Fund cost-share assistance | Completed, QSR1 |

B. GRTS Load Reductions

| Pollutant | Estimated Load Reduction |
|----------------------|--------------------------|
| Nitrogen (lbs/yr) | None at this time |
| Phosphorous (lbs/yr) | None at this time |
| Sediment (tons/yr) | None at this time |

C. Narrative Progress Report

Conservation Plan Development and Approval

Five potential cooperators have submitted applications for BMP cost-share assistance. Follow-up site visits are scheduled for the first two weeks of January 2022. Conservation planning services are estimated to begin in February.

Community Outreach

Staff has networked with the Ki'iki'i and Paukauila community to inform farmers and land managers regarding the project, including making site visits to farmer's property to discuss BMP implementation. In addition to emails to the Hawai'i North Shore Farmers Union and announcements at meetings of the West Soil and Water Conservation District, informational flyers were included in O'ahu RC&D's newsletter and website (Figure 1 and 2), and social media was used to inform the public about the project with partners such as GoFarm Hawaii. The first project press release is planned for distribution in February, after the application approval process is completed and contracts are finalized. The press release will highlight the newly awarded funds and collaborations with North Shore Farmers.

BMP Implementation Fund

BMP Investment Fund was established to provide cost-share funding for agricultural Best Management Practices. The BMP fund allocates \$91,475 to be invested in agricultural Best Management Practices. A request for applications was announced at the beginning of October 2021 and five proposals were received with a total request of \$62,056 in funding. A review committee was formed to evaluate the applications and determine the merit of each for funding. Two applicants received letters of preliminary approval. The other three applications were promising, and all applicants were notified and Oahu RC&D requested follow-up site visits for January 2022 to determine if the applications were in line with the project objectives and to determine the extent of funding to be awarded to approved applicants. The review panel will be reconvening and applicants will receive notice of approval by February.

2. Description of any major issues/problems encountered and/or resolved that may affect the CONTRACTOR's ability to complete the project as required (i.e., weather, personnel, equipment, etc.). If there is a change in the project timeline or budget, provide an explanation, revised timeline, budget, and completion schedule. (Please note that no-cost extensions must be applied for through the Department, and will only be granted when the CONTRACTOR has demonstrated unforeseeable setbacks.)

None at this time.

3. Description of any significant findings, results, or conclusions. If none, please indicate so.

None at this time.

4. Based on the Scope of Services, a description of tasks expected to be completed in the next reporting period.

- Draft and release first of 2 project press releases
- Submit Final Project Effectiveness Monitoring Plan
- Begin developing a minimum of five (5) conservation plans
- Begin submitting lists of farms with approved conservation plans
- Begin conducting photo point monitoring
- Begin conducting sediment monitoring
- Begin conducting nutrient monitoring
- Begin conducting conservation plan monitoring
- Begin submitting list of farms and BMPs selected for first round BMP Investment
- Fund cost-share assistance
- Continue submitting a summary of implemented BMPs
- Continue conducting additional education and outreach activities
- Continue attending community meetings and engaging local stakeholders



O'ahu Resource Conservation & Development Council

Overview of Project: O'ahu RC&D assists farmers located in the Ki'iki'i and Paukauila Watershed Areas to develop conservation plans and implement practices that improve water quality by reducing total nitrogen, phosphorus, and sediment. This will be achieved by developing conservation plans, working with farmers to install Best Management Practices (BMPs), and cost-share assistance.

Conservation Planning for Farmers in Ki'iki'i and Paukauila

A conservation plan is a tool that helps farmers protect and enhance the natural resources that support productive and profitable farming operations. Conservation plans are flexible, working blueprints; they can be adapted or revised to address the changing needs of a farm. These plans detail "best management practices" (BMPs) that farmers use to protect the natural resources on their land.



Farmers work with a conservation planner to create a conservation plan that addresses resource concerns and assists long-term productivity of their farm.

Cost-Share Program for Farmers



Farmers who join this project may be eligible to receive cost-share assistance to install conservation practices that assist in limiting soil erosion, reducing runoff and addresses other natural resource concerns on their land. Farmers may be eligible to receive up to $\frac{2}{3}$ of total funding for practices that address watershed health. Some eligible practices may include:

- Vegetative barriers
- Grassed waterways
 - Windbreaks
- Riparian forest buffers

Project Location Map Ki'iki'i & Paukauila Watersheds



Conservation planning and cost-share program available to farms in the project area (pictured left) that are near to the lower sections of the Ki'iki and Paukauila streams



O'ahu RC&D will provide cost-share directly to farmers to install conservation practices on their land. We have successfully developed and managed similar projects in Windward watersheds. Farms located in the project area will be invited to submit applications for BMP cost-share and sub-awards will be developed with select farms and conservation practices that best enhance watershed restoration and water quality input.

For more information about this project, please visit <https://oahurcd.org/kiikii-and-paukauila-watershed/>

| Completed | Task / Deliverable | Timeline | Due Date | Status / Date Task Completed / Deliverable Submitted |
|---|---|----------|------------|--|
| Note: Items in bold are newly completed. | | | | |
| x | Submit names and credentials of personnel hired | QSR1 | JAN 2022 | Submitted, QSR 1 |
| x | Submit draft Project Effectiveness Monitoring Plan | NTP+ 1 | OCT 2021 | Submitted, QSR 1 |
| | Submit final Project Effectiveness monitoring plan | NTP + 3 | DEC 2021 | |
| | Draft and release first of 2 project press releases | NTP + 3 | DEC 2021 | |
| x | Begin riparian landowner outreach | NTP + 3 | DEC 2021 | In-person site visits, newsletter publication and snowball sampling¹ through existing informal networks. |
| x | Begin conducting site visits to target farms for conservation plans and/or BMP implementation | NTP + 3 | DEC 2021 | Initial site visits conducted with one property, with others planned for January 2022. |
| x | Begin attending community meetings & engaging local stakeholders | NTP + 3 | DEC 2021 | Engagement with local stakeholders and attendance of community meetings begun. |
| x | Begin conducting education and outreach activities | NTP + 3 | DEC 2021 | |
| x | Establish BMP Investment Fund | NTP + 3 | DEC 2021 | BMP Investment Fund established. |
| x | Begin requesting applications for first round of BMP Investment Fund cost-share assistance | NTP + 3 | DEC 2021 | Applications requested; five applications received for a total reimbursement request of \$62, 056 to address sediment & nutrient run off on agricultural lands. |
| | Begin developing a min. of 5 conservation plans | NTP + 6 | MARCH 2022 | |
| | Begin submitting a list of farms with new conservation plans | NTP + 6 | MARCH 2022 | |
| | Begin submitting a list of farms with approved conservation plans | NTP + 6 | MARCH 2022 | |
| | Begin conducting photo point monitoring | NTP + 6 | MARCH 2022 | |
| | Begin conducting sediment & nutrient monitoring | NTP + 6 | MARCH 2022 | |

| | | | | |
|--|---|-----------------|------------|--|
| | Begin conducting conservation plan monitoring | NTP + 6 | MARCH 2022 | |
| | Begin submitting list of farms and BMPs selected for first round of BMP investment Fund cost-share assistance | NTP + 6 | MARCH 2022 | |
| | | | | |
| | Begin implementing BMPs on participating farms | NTP + 9 | JUNE 2022 | |
| | Begin submitting a summary of implemented BMPs | NTP + 9 | JUNE 2022 | |
| | Begin executing Operations and Maintenance (“O&M”) agreements with participating farms | NTP + 9 | JUNE 2022 | |
| | Begin riparian restoration | NTP + 12 | SEPT 2022 | |
| | Conduct first project field day | NTP + 12 | SEPT 2022 | |
| | | | | |
| | Submit summary of findings from riparian landowner outreach | NTP + 12 | SEPT 2022 | |
| | Conclude submitting list of farms with new conservation plans | NTP+ 18 | MARCH 2023 | |
| | Conclude submitting lists of farms with approved conservation plans | NTP+ 18 | MARCH 2023 | |
| | Complete developing a min. of 5 conservation plans | NTP+ 18 | MARCH 2023 | |
| | | | | |
| | Complete conservation plan monitoring | NTP+ 18 | MARCH 2023 | |
| | Complete photo point monitoring | NTP + 21 | JUNE 2023 | |
| | Complete sediment & nutrient monitoring | NTP + 21 | JUNE 2023 | |
| | Conclude executing O&M agreements with participating farms | NTP + 21 months | JUNE 2023 | |
| | Complete implementing BMPs on participating farms | NTP + 21 months | JUNE 2023 | |

| | | | | |
|--|--|-----------------|-----------|--|
| | Conclude submitting a summary of implemented BMPS | NTP + 21 months | JUNE 2023 | |
| | | | | |
| | Conduct second field day | NTP + 21 months | JUNE 2023 | |
| | Conduct community forum/workday | NTP + 21 | JUNE 2023 | |
| | Conclude conducting additional education and outreach activities | NTP + 21 | JUNE 2023 | |
| | | | | |
| | Draft and release the second project press release | NTP + 22 | JULY 2023 | |
| | Submit the draft Final Report | NTP + 22 | JULY 2023 | |
| | Submit final report | NTP + 24 | SEPT 2023 | |
| <p>¹ Snowball sampling is is where research participants recruit other participants for a test or study. It is used where potential participants are hard to find. It's called snowball sampling because (in theory) once you have the ball rolling, it picks up more "snow" along the way and becomes larger and larger. (Source: https://www.statisticshowto.datasciencecentral.com/snowball-sampling/)</p> | | | | |

QUARTERLY GRANT FUND EXPENSE REPORT

(Must be attached to an invoice and correlate with the Project Budget. No invoice will be processed for payment without this report to document the invoice.)

CONTRACTOR: O'ahu Resource Conservation and Development Council
Project Name: Agricultural Stewardship and Stream Restoration in Ki'iki'i and Paukaula Watersheds (ASO Log No. 22-083)
Report/Invoice No: QSR 1 / 1094-01
Date: 09/30/21-11/30/21

| Summary- Grant Funds | | | | | |
|----------------------|------------------------------|---------------------------|--|----------------------------------|---------------------------|
| No. | Description | Original Contract Amounts | Contract Amount from Previous Quarterly Invoices | Amount Requested in this Invoice | Remaining Contract Amount |
| A. | Personnel Services | \$112,580.00 | \$0.00 | \$8,712.50 | \$103,867.50 |
| B. | Travel | \$3,109.60 | \$0.00 | \$0.00 | \$3,109.60 |
| C. | Operating Expenses | \$9,856.32 | \$0.00 | \$240.14 | \$9,616.18 |
| D. | Equipment | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| E. | Professional Services | \$900.00 | \$0.00 | \$0.00 | \$900.00 |
| F. | Materials & Supplies | \$91,475.83 | \$0.00 | \$0.00 | \$91,475.83 |
| G. | Other Miscellaneous Expenses | \$12,112.00 | \$0.00 | \$0.00 | \$12,112.00 |
| Total: | | \$230,033.75 | \$0.00 | \$8,952.64 | \$221,081.11 |

| Summary- Matching Funds | | | | | |
|-------------------------|------------------------------|-------------------------------|--|---|-------------------------------|
| No. | Description | Original Contribution Amounts | Contribution Amount from Previous Quarterly Invoices | Contributions Submitted in this Invoice | Remaining Contribution Amount |
| A. | Personnel Services | \$23,412.00 | | \$4,498.50 | \$18,913.50 |
| B. | Travel | \$0.00 | | | \$0.00 |
| C. | Operating Expenses | \$0.00 | | | \$0.00 |
| D. | Equipment | \$0.00 | | | \$0.00 |
| E. | Professional Services | \$3,000.00 | | \$0.00 | \$3,000.00 |
| F. | Materials & Supplies | \$45,737.91 | | \$627.88 | \$45,110.03 |
| G. | Other Miscellaneous Expenses | \$5,069.60 | | \$0.00 | \$5,069.60 |
| Total: | | \$77,219.51 | \$0.00 | \$5,126.38 | \$72,093.13 |

Executive with domain expertise in cacao and agricultural/rural development in the tropics.

PROFESSIONAL EXPERIENCE

Oahu Resource Conservation and Development Council 10/2019 – current

Executive Director

Oahu Resource Conservation and Development Council 10/2016 – 10/2019

On-farm Research Coordinator & North Ko'olaupoko Project Lead

Duties: Manage cost-share programs for watershed restoration, develop and write grant proposals with partners, design and conduct on-farm research trials, lead field days and educational activities.

Madre Chocolate LLC, co-owner & chief chocolate-maker 06/2010 – 12/2016

Launched an award-winning bean-to-bar chocolate manufacturing and services company with a social mission to contribute to the livelihoods of cocoa farmers and their communities. Developed a quality-improvement program with Hawaii cacao growers. Hired, trained and managed 15 person staff. Financial management, budgeting and forecasting.

University of Florida, Research Assistant 2007-2009

Planned and led individual and team-based field research on community-based natural resource management in tropical forest ecosystems in Ecuador, Bolivia, and Mexico.

Duties: Grant-writing, facilitating collaboration between stakeholders (researchers, community leaders, NGO staff), literature review, research design & methods,, household survey and sampling design.

The Pachamama Foundation, Program Director 2001 – 2007

Designed and led a multi-year program providing technical and financial assistance for participatory mapping and natural resource management to grassroots indigenous communities in Ecuador's Amazon region.

Duties: Grant writing and management. Participatory project design, monitoring and evaluation, fundraising, contracting and supervision of consultants.

CONSULTANCIES & OTHER POSITIONS

Aliados www.losaliados.org / Planjunto (Ecuador) 2014-current

Strategic advisor to consulting firm specializing in sustainable community enterprises and multi-stakeholder processes.

Farmer 2017-current

Hobby-scale producer of organic, specialty vegetable seed and produce.

Lonohana Estate Chocolate (Hawaii) 2017

Technical consultant for expansion of single-estate bean-to-bar chocolate brand.

FARMCOOP (Philippines) 2017

Trainer for cooperative's technical team on fine cacao post-harvest processing and value-added activities Built production model to forecast harvest and plan

- ADRA-Australia (Solomon Islands and Vanuatu)** **2015-2016**
Cacao specialist for livelihoods development program; designed and provided training program for specialty cocoa processing and value-added enterprises to smallholder farmers.
- Hawaii Chocolate and Cacao Association, Vice President** **2013-2014**
Member of the board (2012) and vice-president (2013-2014) of new industry association through successful start-up period.
- Indigenous Territories Initiative** **2007-2008**
Designed, fundraised and served as steering council member for Pan-Amazon learning network of professionals and grassroots advocates supporting the legal recognition and conservation of indigenous lands in the Amazon Basin.
- Norwegian People's Aid** **2007**
Editor and translator (Spanish to English) of annual country program grant proposals for Chile, Ecuador, Bolivia, and Colombia offices.
- World Neighbors (Andean Region)** **2004**
Lead grant writer for successful rural development proposals funding farmer field schools and local farmer innovation groups to work with cover crops, green manures and other agro-ecology technologies.

EDUCATION

- Graduate coursework, University of Florida** **2007-8**
Concentration in Tropical Conservation & Development.
Coursework: Research Design and Methods, Community Conservation and Development, Forest Ecology, Conflict Management, Tropical Ecosystems, Adaptive Watershed Management, Protected Area Management, Land Tenure.
- B.A. International Studies, Johns Hopkins University** **5/2001**
Concentration in Latin American Studies with focus on international development.

ORAL PRESENTATIONS & CONFERENCE PARTICIPATION

- "Cover Crop Cocktails for Hawaii" Hawai Farm Union United State Convention, Presentation and Field Demo (UH – West Oahu, 2017)
- "Cover Crop Cocktails: Assessing Costs and Benefits for Hawai'i" Hawaii AgConference, poster (Honolulu, 2017)
- "Cacao and Conservation" IUCN Congress, Knowledge Cafe (Honolulu, 2016)
- "The *terroir* of Hawaiian Cacao" & "Traditional Mexican Drinking Chocolates" *The Northwest Chocolate Festival*, Presentation (Seattle, 2012 - 2015)
- "Building business partnerships that empower: a joint venture for community-based ecotourism" *1st Conference on Ecotourism in the Amazon*, Original research presentation (Brazil, 12/2008)

LIST OF MEDIA APPEARANCES AVAILABLE UPON REQUEST

INDIA CLARK RESUME

Supporting agriculture and stewardship projects in Hawai'i through relationship and capacity building.

EDUCATION

- University of Hawaii, Manoa — Masters in Urban and Regional Planning (2007).
- University of California, Berkeley — Coursework in community and regional planning (2004)
- University of Central Florida — Bachelor of Arts in Behavioral Science (2000).

EXPERIENCE

Waihuena Farm, Haleiwa — Farm Coordinator (2015 - Present)

- Coordinated with local agriculture agencies and organizations to assist the farm receive food safety certification, host farm-to-school programs, a community compost pilot program and community development retreats and workshops.
- Coordinated a weekly farm intern & community volunteer garden program to supply a CSA program.

Hawaiinuiakea School of Hawaiian Knowledge, Lamakū Na'aua, Honolulu — Program Specialist (2014 - 2015)

- Developed reports, educational materials and social media campaigns on climate change, food sovereignty, and traditional knowledge.
- Organized workshops with the director and project team to bring together Native Hawaiian community leaders, experts, and practitioners.

Olohana Foundation, Hilo — Project Manager (2013 - 2014)

- Developed and maintained the project workplan and budget to assure project team and partners meet milestones while actively cultivating collaborative relationships, writing and administering grants.

Center for Island Climate Adaptation and Policy (ICAP), Honolulu - Project and Research Specialist (2012-2013)

- Developed and convened climate change adaptation workshops in partnership with the State of Hawaii Office of Planning and the Ocean Resources Management Plan Working Group and with other cross-sector agencies to identify opportunities to integrate climate assessment and adaptation measures into the existing land-use planning and decision-making framework.
- Compiled timely reports and briefing sheets to articulate research findings and recommendations.
- Hired personnel, compiled budget projections, project reports, communication with funders and meetings with our project team.

National Oceanic and Atmospheric Association (NOAA) Pacific Services Center, Honolulu — Community Resilience Coordinator (2010 - 2012)

- Strategically worked with state and county agencies and organizations on each island to develop, integrate, and manage projects and tools to enhance natural resource, food security and climate resilience goals.
- Worked with project partners and other NOAA initiatives to set and track milestones, develop project work plans and agreements to assure we met deadlines, managed budgets, travel and reported on deliverables and measured capacity improvements.

Pacific Risk Management Ohana (PRIMO), Honolulu — Research Specialist (2008 - 2010)

- Worked directly with the Waipio Valley Taro Farmers Association and their community organization to conduct surveys, interviews, oral history and asset-based GIS maps, USGS watershed flooding scenarios, and other research to facilitate community-decision making amongst their traditional agriculture and resource management system and permitting agencies.
- Collaborated with Natural Resources Conservation Service, Soil and Water Conservation Districts, and NOAA to integrate the Indian Ocean Tsunami Coastal Community Resilience model and best practices into the Waipio Valley Stream Management Plan and Hawaii County Hazard Mitigation Plan.

Bay Area Conservation and Development Commission (BCDC) Department of Planning, San Francisco- Research Assistant (2004)

- Organized interviews and in-depth surveys with state and county recreational and land use planners.
- Compiled survey results and research to assess recreation and land use trends; which supported a BCDC Commission report recommending land use policy updates for *The San Francisco Bay Plan*.

Department of Natural Resources (DNR), Brevard County, FL. (2001)

- Worked closely with the Brevard County Natural Habitat and Land Use survey manager to develop project scoping and work plans.
- Trained a field mapping team and developed a training guide on techniques for utilizing aerial imagery, flora and fauna indicators, and USGS soil maps to delineate critical habitat and recharge areas for approximately 1,557 square miles and 72 miles of coastline of Brevard counties private and public lands.

PROJECTS

- “Youth –Citizen Core for Community Capacity”, Community Resilience Network (CRest) Grant. Olohana Foundation Project Manager, Honolulu, HI. (2013-2014).

- “Building the Foundation for a Hawaii State Adaptation Plan,” Community Resilience Network (CRest) Grant. ICAP. Research and Project Specialist, Honolulu, HI (2012-2013)
- “San Francisco Bay Plan Recreation Policy Update.” Research Assistant, Bay Area Conservation and Development Commission (BCDC) Department of Planning, San Francisco, CA. (2004)
- “Brevard County Natural Habitat and Land Use Survey.” Project Coordinator, Brevard County Critical Habitat and Endangered Species Survey, Department of Natural Resources (DNR), Brevard County, FL. (2001)
- “Environmentally Endangered Lands Program (EEL) Sanctuaries Resource Management Plan.” Research and Outreach Specialist, Department of Natural Resources, Brevard County, Florida. (2000)

WORKSHOPS & PRESENTATIONS

- “Shifting Shorelines: Strategizing a Future for Hawaii’s Coasts.” Conference Organizer and Media Relations Coordinator, Hawaii State Capitol, Honolulu, HI. (2007)
- “Conserving Hawaii’s Beaches for the 21st Century: A Seminar and community discussion.” Workshop Planner and Presenter, Centers for Coastal Ocean Science (NCCOS) and the Hawaii Department of Land and Natural Resources, Inter-island, HI. (2009)
- Community Conservation Network (CCN) Coastal Resource Planning Workshops. Moderator, He’eia Fishpond, Oahu, HI. (2006 through 2008).
- “National Issues Forum.” Facilitator, University of Hawaii, Oahu. (2006 and 2007).
- “The Role of Culture in Building Community Resilience to Natural Disasters.” Panelist and Conference Planning Committee Member,
- Solutions to Coastal Disaster, American Society of Civil Engineers, Turtle Bay Resort, HI. (2008).
- “Culture as a Community Resilience Asset.” Panelist, Hawaii Congress of Planning Officials, Grand Wailea Resort, HI. (2008).

SKILLS

- Project management & coordination
- Strategic Planning
- Asset-based planning
- Hazard & Climate Mitigation
- Community Development & Resilience Planning
- Natural resource management
- Proficient in Adobe Suite, ArcGIS, Final Cut Pro

AFFILIATIONS

- Hawaii Union United North Shore Chapter, VP
- Olohana Foundation

Megan Gonsalves

59-550 Hoalike Rd., Haleiwa HI 96712

Cell: (805) 602-8457 – meganngonsalves3@gmail.com

EDUCATION

Bachelor of Science: Natural Resources and Environmental Management Fall 2019

University of Hawai'i at Mānoa, Honolulu

Major GPA: 3.55; Cumulative GPA: 3.30

- Related Coursework: GIS for Resource Managers Environmental Problem Solving
- Ethnoecology and Conservation Natural History of the Hawaiian Islands
- Fundamentals of Soil Science Tropical Forestry & Agroforestry

RELEVANT EXPERIENCE

Project Assistant August 2021-Current
O'ahu RC&D Kunia, HI

- Support a variety of O'ahu RC&D projects as needed, related to: soil health, watershed restoration, and conservation planning.
- Implement workshops and field days serving local farmers and landowners; host events; coordinate with participants.
- Maintain effective communication and healthy working relationships with other agencies, organizations, and clients.

KUPU AmeriCorps Member September 2020-July 2021
Dept. of Land and Natural Resources, Div. of Forestry and Wildlife Honolulu, HI

- Data Collection and management (ArcGIS Pro and AGOL)
- Support the Natural Working Lands Group in website development, outreach, and progress tracking
- Collaborate with multiple departments, researchers, and organizations to produce "Nature-Based Resilience and Adaptation to Climate Change in Hawai'i"
- Cultivate understanding of the relationships between hunters, ranchers, land managers and government entities
- Trail restoration, invasive species removal, native species outplanting
- Grant writing support

Farm hand June 2020-September 2020
Hana Tropicals Flower Farm and Plant Nursery Hana, HI

- Gained knowledge of local agriculture practices through hands-on experience
- Built and maintained relationships with neighboring farmers

Undergraduate Researcher May 2019- December 2019
Jonathon Deenik, Ph. D Honolulu, HI

- Collaborated with land managers and farmers throughout the state to assist in determining soil health
- Collected soil samples from a variety of sites and performed lab analysis of 9 soil health indicators: biological, physical, and chemical
- Independently analyzed quantitative data to create soil health functions
- Created comprehensive soil health indices calibrated to Hawai'i's diversity of soils that support shifts towards sustainable land management
- Generated extensive biweekly reports ahead of deadlines and meetings

Environmental Problem-Solving Capstone Project August 2019-December 2019
U.S. Dept. of Fish and Wildlife Service Honolulu, HI

- Utilized PROACT cycle and structured decision-making techniques to identify objectives of decision maker, create alternative strategies, and collaborate with multiple stakeholders
- Identified potential seabird habitat on O'ahu using ArcGIS and calculated cost associated with restoration of these habitats
- Guided decision makers towards strategies that best fulfill their objectives using modeling and optimization methods

ADDITIONAL EXPERIENCE

Server January 2018-March 2020
Blue Note Hawai'i Honolulu, HI

- Worked in a team-setting in a unique and fast-paced restaurant environment
- Responded to diverse needs of guests enthusiastically and built great customer service skills

VOLUNTEER SERVICE

Habitat Restoration with O'ahu Natural Area Reserves, Honolulu, HI 2019
Lyon Arboretum's Rare Plant Program & Seed Lab, Honolulu, HI 2018
Coastal Trail Rehabilitation with EcoSLO, San Luis Obispo, CA 2016

SKILLS

- Proficient in Microsoft Office, WordPress, ESRI Products
- Novice in Spanish

SCHOLARSHIPS & RECOGNITIONS

- Dean's List Honoree Consecutively; Fall 2018-Fall 2019
- UHM College of Tropical Agriculture and Human Resources Summer Success Scholarship Summer 2019