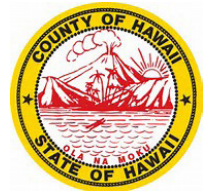


COUNTY OF HAWAI'I PROFESSIONAL SERVICES FY 2025-2026

Sustainability, Climate, Equity, and Resilience

SUBMITTED TO

Ms. Laura Acasio, Administrator,
Office of Sustainability, Climate Change,
Equity and Resilience, County of Hawai'i
25 Aupuni Street, Suite 1301
Hilo, Hawai'i 96720



REQUEST FOR QUALIFICATIONS (HRS 103D-304)
JUNE 30, 2025

SUBMITTED BY

SWCA Environmental Consultants
1200 Ala Moana Blvd. #380
Honolulu, HI 96814



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

1200 Ala Moana Boulevard, #380
Honolulu, Hawaii 96814
Tel 808.548.7922 Fax 808.548.7923
www.swca.com

LETTER OF INTEREST

June 30, 2025

Ms. Laura Acasio, Administrator,
Office of Sustainability, Climate Change, Equity and Resilience
County of Hawai'i
25 Aupuni Street, Suite 1301
Hilo, Hawai'i 96720
Submit via email: oscer@hawaiicounty.gov

Re: County of Hawai'i Notice to Providers for Professional Services for Fiscal Year 2025-2026

Dear Ms. Acasio,

SWCA Environmental Consultants (SWCA) requests to be considered for inclusion on the County of Hawai'i's list of qualified professional consultants to provide professional services for the fiscal year 2025– 2026. Attached, please find the information requested in the procurement notice. SWCA would like to be considered for the following category:

- OS.1) Ecology
- OS.2) Education Services
- OS.3) Forestry (Watershed Management)
- OS.4) General Anthropology (Cultural Practitioner)
- OS.5) General Natural Resources Management and Biological Sciences Series
- OS.9) Soil Conservation

Please direct all future notifications or requests for proposal to aehrenkrantz@swca.com. If you have questions regarding the content of the submittal, please feel free to contact me directly via email or by phone at (801) 598-1449.

Sincerely,

A handwritten signature in black ink that reads 'A Ehrenkrantz'.

Amanda Ehrenkrantz
Director Pacific Islands Offices

1. NAME OF FIRM OR PERSON, PRINCIPAL PLACE OF BUSINESS, AND LOCATION OF ALL OF ITS OFFICES.

Name of Firm: SWCA Environmental Consultants (SWCA)

Principal Place of Business: 1200 Ala Moana Blvd. #380, Honolulu, Hawai'i 96814

Office Locations: Founded in 1981, SWCA is an employee-owned firm dedicated to providing our clients with sound science and creative solutions. SWCA has 45 office locations nationwide in addition to our Hawai'i and Pacific Islands Office situated in Honolulu (Figure 1). SWCA Hawai'i opened its doors in June 2003 and over the past 22 years, our team of highly skilled natural and cultural resource specialists have supported our clients on a wide range of projects throughout the Pacific Islands Region. Our Hawai'i experts are distributed throughout the main Hawaiian Islands and are able to draw upon our local, regional, and national experience to develop the best strategies for our clients. SWCA combines the local knowledge and approach of a Hawai'i-based staff with the in-house expertise and resources of a nationwide company.

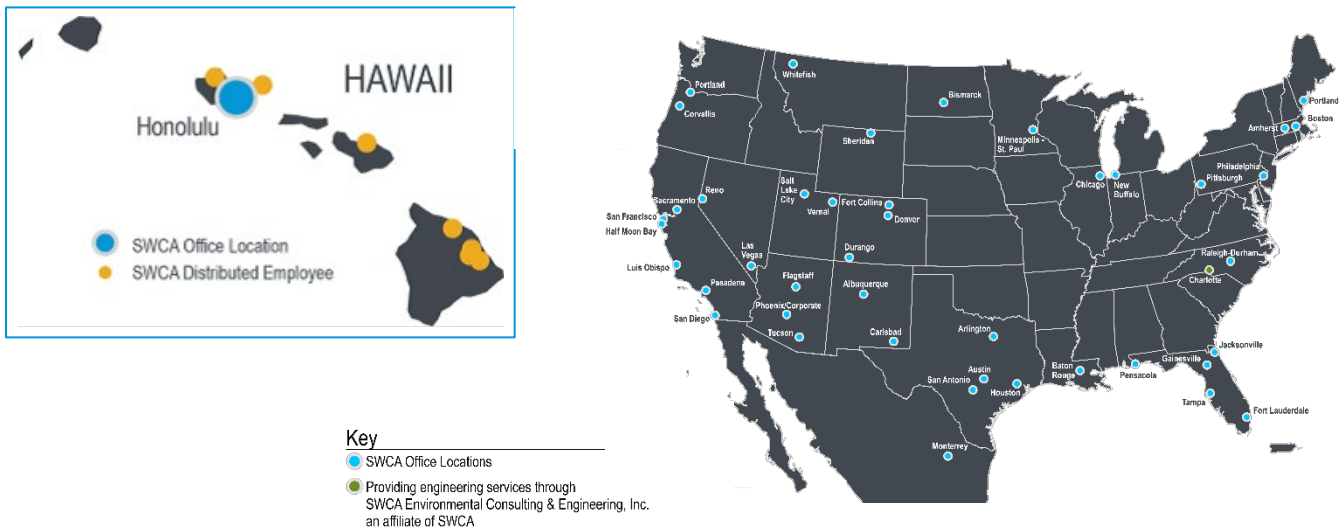


Figure 1. SWCA Local and Nationwide Office Locations

2. AGE OF FIRM AND ITS AVERAGE NUMBER OF EMPLOYEES OVER THE PAST 5 YEARS

Age of Firm: 44 Years

Average Number of Employees over Past 5 Years: 1,367 employees

3. EDUCATION, TRAINING AND QUALIFICATION OF KEY MEMBERS OF THE FIRM.

Resumes of key personnel are included as part of the Standard Federal Form in Appendix A.

4. NAMES AND PHONE NUMBERS OF UP TO 5 CLIENTS FOR WHOM SERVICES WERE RENDERED DURING THE PRECEDING YEAR AND MAY BE CONTACTED.

SWCA provides below the names and phone numbers of five clients for whom services were rendered during the preceding year and may be contacted.

REFERENCE #1

Client Name: Queen Emma Land Company
Contact Name: Kauilehuamelemele Kauhane
Contact Number: 808.691.5950
Contact Email: kkauhane@queens.org
Reference Project (Year): Post-Fire Support for Queen Emma Lands in Coastal Kawaihae (2023-2025)

REFERENCE #4

Client Name: Honua'ula Partners, LLC
Contact Name: Dean Frampton
Contact Number: 808.357.6240
Contact Email: dean@fwmaui.com
Reference Project (Year): Honua'ula Environmental Services (2008 - Current)

REFERENCE #2

Client Name: Tawhiri Power LLC
Contact Name: Steve Pace
Contact Number: 650.358.1550
Contact Email: space@tawhiri.us
Reference Project (Year): Pakini Nui Wind Farm Habitat Conservation Plan (2014-Current)

REFERENCE #5

Client Name: Hawaii Department of Transportation
Contact Name: Andrew Hirano
Contact Number: 808.692.7546
Contact Email: andrew.hirano@hawaii.gov
Reference Project (Year): Statewide Noxious Invasive Pest Program (2013-Current)

REFERENCE #3

Client Name: Hawai'i State Department of Natural Resources, Division of Forestry and Wildlife (DOFAW)
Contact Name: Jason Omick
Contact Number: 808.587.4159
Contact Email: jason.d.omick@hawaii.gov
Reference Project (Year): Hawai'i DLNR DOFAW Kanaio Game Management Area (2017-2024)

5. ANY PROMOTIONAL OR DESCRIPTIVE LITERATURE WHICH THE INDIVIDUAL OR FIRM DESIRES TO SUBMIT.

Our general Statement of Qualifications is included as part of the Standard Federal Form, Section H in Appendix A.

SWCA

APPENDIX A:
Standard Federal Form (SF 330)

PROFESSIONAL SERVICES QUALIFICATIONS

PART I - SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

County of Hawai'i Qualified List for Professional Services, Fiscal Year 2026

2. PUBLIC NOTICE DATE

6/01/2025

3. SOLICITATION OR PROJECT NUMBER

HRS 103D-304

B. POINT OF CONTACT

4. NAME AND TITLE

Amanda Ehrenkrantz, Director Pacific Islands Offices / Contract Manager

5. NAME OF FIRM

SWCA Environmental Consultants

6. TELEPHONE NUMBER

801.598.1449

7. FAX NUMBER

N/A

8. E-MAIL ADDRESS

aehrenkrantz@swca.com

C. PROPOSED TEAM

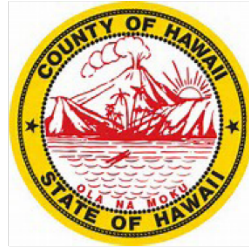
(Complete this section for the prime contractor and all key subcontractors.)

(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J.V. PARTNER	SUBCONTRACTOR			
a.	<input checked="" type="checkbox"/>			SWCA Environmental Consultants <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1200 Ala Moana Blvd., #380 Honolulu, Hawaii 96814	Environmental Consulting (natural, cultural, and planning services)
b.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)

D. ORGANIZATIONAL CHART OF PROPOSED TEAM



AMANDA EHRENKRANTZ
 Director of Pacific Islands
 Office

HEATHER GIBSON
 Vice President, Southern
 California

NATURAL RESOURCES

Richard Pender
 Senior Natural Resources
 Team Lead

Danielle Frohlich
 Lead Botanist

Francis Quitazol
 Project Manager

Lilly Stoilova
 Project Manager

Adam Radford
 Associate Project Manager

Alex Lau
 Assistant Project Biologist

Tessa Henderson
 Assitant Staff Environmental
 Scientist

Jimmy Parker
 Associate Project Biologist

Nalu Andrade
 Assistant Staff Biologist

CULTURAL RESOURCES

Rowland Reeves
 Principal Archaeologist

Susan Zamudio-Gurrola
 Lead Architectural Historian

Ryan Gross
 Archaeological Project Manager

Jules Kramer
 Associate Archaeological Project
 Manager

Wainani Traub
 Associate Project Anthropologist

Uluwehi Hopkins
 Assistant Project Historian

Tamara Luthy
 Assistant Project Anthropologist

Hattie Gerrish
 Staff Archaeologist

Genevieve Glennon
 Staff Archaeologist

Jacob Shearer
 Cultural Resources Technician

Kalani Stoleson
 Cultural Resources Technician

Lahela Kaulukukui
 Assistant Staff Anthropologist

ENVIRONMENTAL PLANNING

Jessica Cleavanger
 Lead Environmental Planner (CA)

Brittany Sahatjian
 Lead Environmental Planner (OR)

Brad Sohm
 Environmental Planner /
 Air Quality Specialist (AZ)

Kevin Rauhe
 Environmental Planner /
 Visual Resources Specialist (UT)

Amanda Childs
 NEPA Specialist (OR)

Miranda Foley
 Associate Project Environmental
 Scientist

SUPPORT STAFF

Julie Gaertner
 Environmental Scientist /
 GIS Specialist

Sarah Halpern
 GIS Specialist / Unmanned Aerial
 Vehicle (UAV) Pilot

Eric Vonderahe
 Assistant Project Environmental
 Scientist / Canine Handler

Deseray Seaver
 Assistant Staff Environmental
 Scientist / Canine Handler

Luis Aguilar
 Principal Wetland Scientist (CA)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Amanda Ehrenkrantz	13. ROLE IN THIS CONTRACT Office Director/Wildlife Ecologist	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 20

15. FIRM NAME AND LOCATION (City and State) SWCA Environmental Consultants; Honolulu Office, Honolulu, HI
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16. EDUCATION (DEGREE AND SPECIALIZATION) B.A. cum laude: Environmental Science	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Amanda Ehrenkrantz is the Pacific Islands Office Director and a wildlife ecologist with experience conducting a wide range of field protocols, as well as writing National Environmental Policy Act (NEPA)- and Endangered Species Act (ESA)-compliant documents and technical reports. She has authored Biological Assessments (BAs) and Habitat Conservation Plans (HCPs) for a range of project types and covered activities. In the field, she is proficient at leading and conducting habitat assessments and surveys for bats, big game, small mammals, prairie dogs, and raptors, including threatened, endangered, and sensitive wildlife species. Ms. Ehrenkrantz has worked on a range of project types, including energy development (wind, solar, coal, oil, and gas), transmission, large- and small-scale housing development, airports, and roads.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
Lalamilo Wind Farm Habitat Conservation Plan (HCP); Hawai'i County, Hawai'i	2014-Ongoing	N/A
a. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA is providing consulting services to the proposed 3.3-Megawatt Lalamilo Wind Farm facility for an HCP to comply with Section 10 of the ESA and to avoid potential violations of ESA Section 9 take prohibition and Hawai'i Revised Statutes Section 195D. The incidental take of two listed species—the Hawaiian hoary bat and the Hawaiian petrel (<i>Pterodroma sandwichensis</i>)—could occur as a result of the continued operation of the wind farm. The HCP contains operational impact minimization measures as well as mitigation measures to compensate for the potential incidental take. All mitigation measure were developed with the intention of providing a net ecological benefit to the species in alignment with state and federal recovery goals. <i>Role: Project Manager. HCP lead author, including resource analysis, sensitive species subject matter expertise, and response to client and agency comments. Lead Compliance Manager, including field logistics and data QA. Lead Safety Liaison ensuring safety requirements are followed. Cost: \$303,032.</i>		
Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; Kahului, Maui County, Hawai'i	2019-2022	N/A
b. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA teamed with RS&H to complete an EA compliant with NEPA and the Hawai'i Environmental Policy Act (HEPA; also known as Hawai'i Revised Statutes [HRS] Chapter 343) for the Kahului Airport (OGG) Runway Improvement project. SWCA was assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA was also responsible for incorporating HEPA into the NEPA process. <i>Role: Project Manager. Managed internal and client communication. Coordinated filed activities and authored report deliverables. Cost: \$122,978.</i>		
FHWA Central Federal Lands Highway Division A&E CH2M Hill; Hawaii, Honolulu, and Kauai Counties, Hawaii	2014-2015	N/A
c. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA was contracted by CH2M HILL (on behalf of FHWA) to conduct natural resources surveys, prepare resource reports, and perform agency and partner coordination activities to evaluate the potential environmental impacts associated with nine bridge renovation and replacement projects throughout O'ahu, Kaua'i, and Hawai'i Islands. SWCA conducted terrestrial flora and fauna surveys at each bridge site and aquatic wildlife surveys, where appropriate. Wetlands and Waters of the U.S. features were identified and delineated within the project areas, and SWCA assisted with permitting for Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act. <i>Role: Project Manager. Assisted with preparation of Biological Assessment report and provided subject matter expertise. Cost: \$230,016.</i>		
Pakini Nui Habitat Conservation Plan; Hawaii Island County, Hawai'i	2014-Ongoing	N/A
d. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA prepared a state Habitat Conservation Plan (HCP) in support of an application to the Division of Forestry and Wildlife (DOFAW) for an incidental take license for three listed species for Tawhiri Power's 21 MW operational Pakini Nui Wind Farm at South Point on Hawaii Island. A federal HCP and associated NEPA documentation for an application to USFWS for an Endangered Species Act (ESA) Section 10(a) incidental take permit were also completed. In addition to the HCP development, SWCA has led carcass searches, as well as searcher efficiency and carcass retention trials. SWCA's team attends all agency meetings and addresses all HCP comments from USFWS and DOFAW. <i>Role: Project Manager. Client and agency coordination and reporting. Assisted with the development of HCP amendment, including resource analysis, sensitive species subject matter expertise, and response to comments from client. Cost: \$2,118,213.</i>		
Hawai'i Kanaio Game Management Area; Maui County, Hawai'i	2017-2014	N/A
e. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
The Hawai'i DOFAW asked SWCA to complete a strategic management plan, EA, and related regulatory compliance documents for the Kanaio Game Management Area (GMA). The GMA also required an inventory of cultural sites, as well as mitigation recommendations. <i>Role: Senior Section 7 Biologist. Leads report write up, coordination, and review of the Biological Assessment. Cost: \$774,704.</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Richard Pender	13. ROLE IN THIS CONTRACT Natural Resources Team Lead/Ecologist	14. YEARS EXPERIENCE	
		a. TOTAL 18	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION *(City and State)*

SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION *(Degree and Specialization)*

Ph.D., Botany
B.S. with honors, Biology

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Dr. Pender has over 17 years of experience working as an ecologist in Hawai'i and New Zealand. This experience has involved undertaking environmental impact assessments and the development of habitat and species management plans for federal, state, native Hawaiian and Māori land management agencies, and private landowners. These plans and permitting requirements have been undertaken for infrastructure projects such as highways and roads, pipeline developments, and pathways within protected areas. Dr. Pender has specialist experience in invasive species management and ecological restoration and has managed numerous land rehabilitation projects.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Statewide Noxious Invasive Pest Program; Multiple Counties, Hawai'i	2007- Ongoing	N/A
<p>a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>SWCA is providing consultation services to the Hawai'i Department of Transportation Highways Division for developing and implementing the SNIPP, which includes the prevention, early detection, and control and management of invasive species along state highways. Specific services and deliverables include the following: 1) prevention of the spread and establishment of invasive species along highway rights-of-way (ROWs) 2) early detection and rapid response to identify, report, and respond to newly detected species before they become a detriment to highway ROWs 3) control and management of already established species to reduce their harmful impacts along state highways 4) restoration using non-invasive or appropriate native plants on highway ROWs that reduce risk from harmful invasive plants; and 5) community outreach and organizational collaboration with other state agencies, non-profit organizations, and neighboring landowners to ensure long-term solutions for the invasive species problem in Hawai'i. <i>Role: Project Manager: Report preparation, strategic planning, technical input, and peer review.</i> Cost: \$9,586,608.</p>		
Waimea Canyon Drive/Koke'e Road Improvements Flora Survey; Grace Pacific LLC; Kauai, Kauai County, Hawaii	2023-2024	N/A
<p>b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>SWCA conducted a flora survey in advance of the Hawaii Department of Transportation's 2.5-mile Kōke'e Road improvements project located between Mile Markers 11.5 and 14.0, on the island of Kaua'i. SWCA surveyed 15 pull-off areas within the project corridor that may be impacted by vegetation clearance. The purpose of the survey was to identify any special-status species and native tree species within the site. This information would then be used to inform the implementation of appropriate mitigation measures or adjustments to the project design, with the goal of minimizing potential impacts on native flora and their habitats within the project footprint. <i>Role: Project Manager/Botanist. Conducted survey work and report preparation.</i> Cost: \$13,581.</p>		
Kauai Mosquito Suppression Environmental Assessment; Kauai County, Hawai'i	2021-2023	N/A
<p>c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>SWCA is assisting the Hawai'i Department of Land and Natural Resources (DLNR) and US Fish and Wildlife Service (USFWS) with the preparation of an Environmental Assessment and an accompanying Cultural Impact Analysis (CIA) for using the Wolbachia-based Incompatible Insect Technique for the suppression of southern house (<i>Culex quinquefasciatus</i>) mosquito populations on Kaua'i. This EA is needed to acquire the necessary state and federal permits for the application of Wolbachia IIT mosquitoes. <i>Role: Project Ecologist/Botanist. Primary author of natural resources component of the assessment.</i> Cost \$108,439.</p>		
Munitions Response Site Draft Ecological Resource Plan and Ecological Monitoring; Honolulu City and County, Hawai'i	2022-Ongoing	N/A
<p>d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>SWCA provided ecological survey and monitoring for an unexploded ordinance (UXO) survey project conducted by GSI on O'ahu. SWCA ecologists undertook initial surveys for federal- and state-listed threatened and endangered species, which was followed by weekly monitoring of ongoing UXO survey operations. <i>Role: Project Ecologist/Botanist. Project management, client liaison, report writing, peer review.</i> Cost \$34,097.</p>		
Bellows Field Wetland Restoration; Oahu County, Hawai'i	2022-Ongoing	N/A
<p>e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm</p> <p>SWCA is assisting with the 8-acre wetland restoration on the Former USAF base Bellows Field on the windward side of the Hawaiian island of O'ahu. The site was formerly used as a shooting range and will be restored for endangered waterbird habitat. <i>Role: Project Manager. Report preparation.</i> Cost \$63,293.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED WHO WILL PROVIDE SERVICES FOR THIS PROJECT CATEGORY

(Complete one Section E for each key person.)

11. NAME	12. TITLE SERVICE PROVIDED	13. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Danielle Frohlich	Lead Botanist/Invasive Species Program Specialist	24	10

14. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

15. EDUCATION (DEGREE AND SPECIALIZATION) M.S. Botany B.A. Evolutionary, Population, and Organismic Biology	16. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A
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16. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Ms. Frohlich is a botanist and invasive species program specialist in SWCA's Honolulu Office. She has over 23 years of experience in the fields of invasion biology, plant taxonomy, ecology, public outreach, and research, and has published over 10 peer-reviewed journal articles and technical reports.

18. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Statewide Noxious Invasive Pest Program (SNIPP); Multiple Counties, Hawai'i	2007-Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is providing consultation services to the Hawai'i Department of Transportation Highways Division for developing and implementing the SNIPP, which includes the prevention, early detection, and control and management of invasive species along state highways. Specific services and deliverables include the following: 1) prevention of the spread and establishment of invasive species along highway rights-of-way 2) early detection and rapid response to identify, report, and respond to newly detected species before they become a detriment to highway ROWs 3) control and management of already established species to reduce their harmful impacts along state highways 4) restoration using non-invasive or appropriate native plants on highway ROWs that reduce risk from harmful invasive plants; and 5) community outreach and organizational collaboration with other state agencies, non-profit organizations, and neighboring landowners to ensure long-term solutions for the invasive species problem in Hawai'i. <i>Role: Botanist/Environmental Specialist. Serves as the invasive species expert and oversees the invasive species management strategy for SNIPP; responsible for surveys of invasive plant and insect species and reporting. Cost: \$9,586,608.</i>		
b.	Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; Kahului, Maui County, Hawai'i	2019-2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA teamed with RS&H to complete an EA compliant with NEPA and the Hawai'i Environmental Policy Act (HEPA; [HRS] Chapter 343) for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. <i>Role: Botanist. Handled survey preparation and scheduling. Drafted report outline. Cost: \$122,978.</i>		
c.	Kilauea Bicycle and Pedestrian Access Alternatives Environmental Assessment; Kauai County, Hawai'i	2016-Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA was contracted by Atkins to assist FHWA Central Federal Lands Division with planning for construction of a pedestrian and bike path between Kilauea Town and the Kilauea Point Lighthouse on the Island of Kauai. SWCA is in the process of finalizing a cultural resource consultation, environmental compliance monitoring and wetland permitting, and preparation of a Biological Assessment. As part of the environmental compliance, SWCA conducted T&E species research, conducted flora and fauna surveys in the project area. SWCA has conducted consultations with SHPO, USFW DOFAW and USACE throughout the life of the projects. <i>Role: Botanist / Environmental Specialist. Flora survey and drafted report. Cost: \$81,104.</i>		
d.	<i>Miconia calvescens</i> Biocontrol Environmental Assessment; Honolulu County, Hawai'i	2019-2020	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA was contracted by the Department of Land and Natural Resources Division of Forestry and Wildlife to develop an environmental assessment (EA) for the release of the biocontrol species <i>Euselasia chrysippe</i> into Hawai'i's natural environment to reduce infestations of <i>Miconia calvescens</i> . The introduction and establishment of <i>E. chrysippe</i> is expected to reduce fitness of miconia populations where they are found throughout the state. The EA was developed according to state and federal specifications and in close cooperation with researchers and staff from the University of Hawai'i and the Hawai'i Department of Agriculture. <i>Role: Botanist / Environmental Specialist. Researched and wrote the Environmental Assessment. Cost: \$11,929.</i>		
e.	Coral Sea Road Flora and Fauna Survey; Honolulu, Honolulu City and County, Hawai'i	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm HMS Construction INC invited SWCA to conduct a pre-construction flora and fauna survey for the USCG Air Station Barber's Point 12-kilovolt (kV) line extension project in the Ewa District on O'ahu. SWCA reviewed available scientific and technical literature regarding natural resources in and near the survey area. A pedestrian flora (botanical) and fauna survey was conducted to document all species present in the area. A report was prepared summarizing all survey findings along with avoidance and minimization measures. <i>Role: Botanist / Environmental Specialist. Conducted flora surveys identifying any state or federally listed candidate, threatened, or endangered species, species of concern, and/or rare species. Cost: \$9,397.</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Francis Quitazol	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. General Agriculture, e: Sustainability	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Francis Quitazol is a Project Manager in SWCA's Honolulu office with over 22 years of experience with Hawai'i's natural systems and conservation issues. He has multiple publications and awards from his time with the Nature Conservancy, including the Ethical Hero Award, which recognizes employees who demonstrate a core value of integrity beyond reproach.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (<i>City and State</i>) Statewide Noxious Invasive Pest Program; Multiple Counties, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2007-Ongoing	CONSTRUCTION (<i>If applicable</i>) N/A
a. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE The objective of the project is to mitigate the effects of invasive species along state roads through instillation of preventative measures, early detection, control and management and restoration activities. <i>Role: Environmental Specialist. Conducted pedestrian roadside surveys in 2020 and 2022 for invasive species (i.e., little fire ant, or LFA [Wasmannia auropunctata], tree daisy [Montanoa hibiscifolia], and assa-peixe [Vernonia polyanthes]) in East Maui, in the vicinity of Hāna Highway. The surveys were conducted in collaboration with the Maui Invasive Species Committee. Produced summary report of field activities and findings. Cost: \$9,586,608.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; Kahului, Maui County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019-2022	CONSTRUCTION (<i>If applicable</i>) N/A
b. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE SWCA teamed with RS&H to complete an EA compliant with NEPA and the Hawai'i Environmental Policy Act (HEPA; also known as Hawai'i Revised Statutes [HRS] Chapter 343) for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. <i>Role: Project Manager. Provided natural resources support during public engagement meetings for the EA process. Cost: \$122,978.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) Ahukini Landfill Restoration Permitting Support; Lihue, Kauai County, Hawaii	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2018-2024	CONSTRUCTION (<i>If applicable</i>) N/A
c. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE Belt Collins Hawai'i LLC invited SWCA to support their work on the stabilization of the retired Ahukini Landfill near Lihue Airport, Kauai. The biological survey consisted of an in-depth literature review, flora and fauna survey, and documenting and mapping all wedge-tailed shearwater (<i>Puffinus pacificus</i>) burrows in the project area, as well as preparing a report describing all survey findings with potential impacts of the project to the flora and fauna in the project area. SWCA will provide assistance with USFWS and DOFAW consultation, as necessary and will produce a Wildlife Management Plan in support of the issuance of a permit to allow destruction of the wedge-tailed shearwater nests. In addition, SWCA conducted an archaeological literature review and a field inspection. SWCA was also tasked with preparing a Cultural Impact Assessment for the area. <i>Role: Project Manager. Background research, surveys, drafting memo. Cost: \$82,147.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) Kilauea Bicycle and Pedestrian Access Alternatives Environmental Assessment; Kauai County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2016-Ongoing	CONSTRUCTION (<i>If applicable</i>) N/A
d. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE SWCA was contracted by Atkins to assist FHWA Central Federal Lands Division with planning for construction of a pedestrian and bike path between Kilauea Town and the Kilauea Point Lighthouse on the Island of Kaua'i. SWCA is in the process of finalizing a cultural resource consultation, environmental compliance monitoring and wetland permitting, and preparation of a Biological Assessment. As part of the environmental compliance, SWCA conducted T&E species research, conducted flora and fauna surveys in the project area. SWCA has conducted consultations with SHPO, USFWS, DOFAW and USACE throughout the life of the projects. <i>Role: Biologist. Agency coordination, addressed CFL comments on flora and fauna report, and QA/QC of report. Cost: \$81,104.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (<i>City and State</i>) Coral Sea Road Flora and Fauna Survey; Honolulu, Honolulu City and County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021	CONSTRUCTION (<i>If applicable</i>) N/A
e. (3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE HMS Construction INC invited SWCA to conduct a pre-construction flora and fauna survey for the USCG Air Station Barber's Point 12-kilovolt (kV) line extension project in the Ewa District on O'ahu. SWCA reviewed available scientific and technical literature regarding natural resources in and near the survey area. A pedestrian flora (botanical) and fauna survey was conducted to document all species present in the area. A report was prepared summarizing all survey findings along with avoidance and minimization measures. <i>Role: Project Manager. Project management, team coordination and report QA/QC. Cost: \$9,397.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED WHO WILL PROVIDE SERVICES FOR THIS PROJECT CATEGORY

(Complete one Section E for each key person.)

12. NAME Lilly Stoilova	13. TITLE SERVICE PROVIDED Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Hawai'i Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Environmental Studies	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Lilly Stoilova has over 13 years of experience working on natural resources projects. Ms. Stoilova is responsible for managing several Federal natural resources projects, performing various project-related and administrative functions associated with client and subcontractor management, accounting and finances, staff resource allocations, preparation and execution of project deliverables, business development, and proposals. Ms. Stoilova is accustomed to and proficient in managing multiple tasks and deadlines, ensuring quality assurance and quality control are never compromised. In addition, she supports projects by coordinating fieldwork and logistics, data management and analysis, and regularly assists with reporting and QA/QC reviews.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Statewide Noxious Invasive Plant Program (SNIPP); Statewide, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is providing consultation services to the Hawai'i Department of Transportation Highways Division for developing and implementing the SNIPP, which includes the prevention, early detection, and control and management of invasive species along state highways. Specific services and deliverables include the following: 1) prevention of the spread and establishment of invasive species along highway rights-of-way (ROWs) 2) early detection and rapid response to identify, report, and respond to newly detected species before they become a detriment to highway ROWs 3) control and management of already established species to reduce their harmful impacts along state highways 4) restoration using non-invasive or appropriate native plants on highway ROWs that reduce risk from harmful invasive plants; and 5) community outreach and organizational collaboration with other state agencies, non-profit organizations, and neighboring landowners to ensure long-term solutions for the invasive species problem in Hawai'i. <i>Role: Project Manager. Project management, logistics and coordination, budget and invoice tracking, staff coordination, subcontractor and vendor coordination, and project timeline management. Cost: \$9,586,608.</i>		
b.	(1) TITLE AND LOCATION (City and State) P-735 (formerly J-200 NR Utilities IV), Salvage and Transplantation of Federally Listed Plant Species at Andersen Air Force Base, Guam	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014-2023	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA performed salvage and transplantation of federally listed plant species, <i>Dendrobium guamense</i> and <i>Tuberolabium guamense</i> , identified within the clearing and grubbing footprint for the J-200 NR Utilities IV project at Northwest Field, Andersen Air Force Base. SWCA also provided 6 months of maintenance and 12 months of monitoring for all orchid individuals. As part of this scope, SWCA also collected seeds from <i>Heritiera longipetiolata</i> and <i>Tabernaemontana rotensis</i> . In addition, SWCA implemented an additional comprehensive presence/absence survey of ESA-listed threatened orchids and endangered Mariana eight-spot butterfly (<i>Hypolimnas octocula marianensis</i>) and its host plants. A final report is being produced summarizing all project activities. <i>Role: Project Manager. Manage all client and subcontractor communication, while ensuring the project is within budget and within schedule. Cost: \$282,310.</i>		
c.	(1) TITLE AND LOCATION (City and State) Ahukini Landfill Restoration Permitting Support; Lihue, Kauai County, Hawaii	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018-2024	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Belt Collins Hawai'i LLC invited SWCA to support their work on the stabilization of the retired Ahukini Landfill near Lihue Airport, Kauai. The biological survey consisted of an in-depth literature review, flora and fauna survey, and documenting and mapping all wedge-tailed shearwater (<i>Puffinus pacificus</i>) burrows in the project area, as well as preparing a report describing all survey findings with potential impacts of the project to the flora and fauna in the project area. SWCA will provide assistance with USFWS and DOWAW consultation, as necessary and will produce a Wildlife Management Plan in support of the issuance of a permit to allow destruction of the wedge-tailed shearwater nests. In addition, SWCA conducted an archaeological literature review and a field inspection. SWCA was also tasked with preparing a Cultural Impact Assessment for the area. <i>Role: Project Manager. Project management and coordination, USFWS/DLNR letters preparation. Cost: \$82,147.</i>		
d.	(1) TITLE AND LOCATION (City and State) Transplantation of Federally Listed Species at the Forest Enhancement Area at Marine Corps Base, Camp Blaz, Finegayan, Guam	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is providing the following services to Naval Facilities Engineering Systems Command Pacific: Transplantation of 250 <i>Cycas micronesica</i> , 1,000 <i>Tabernaemontana rotensis</i> , 50 <i>Heritiera longipetiolata</i> , and 275 <i>Bulbophyllum guamense</i> . SWCA is also providing 12 months of maintenance and 18 months of monitoring after transplantation. An additional 500 <i>C. micronesica</i> plants will be salvaged and propagated and 700 <i>C. micronesica</i> plants will be transplanted with 12 months of maintenance, and 18 months of monitoring provided after transplantation. The purpose of this project is to ensure the successful survival and establishment of the salvaged <i>C. micronesica</i> , <i>T. rotensis</i> , <i>H. longipetiolata</i> , and <i>B. guamense</i> in the wild so that these federally protected species can continue to thrive in their natural habitat. <i>Role: Project Manager. Manage all client and subcontractor communication, while ensuring the project is within budget and within schedule. Cost: \$1,201,236.</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED WHO WILL PROVIDE SERVICES FOR THIS PROJECT CATEGORY

(Complete one Section E for each key person.)

12. NAME Adam Radford	13. TITLE SERVICE PROVIDED Associate Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State) SWCA Environmental Consultants; Honolulu Office, Honolulu, HI			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.A., Natural Resources Management B.A., Commercial Recreation		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Adam Radford is an Associate Project Manager in the Honolulu Office. With over two decades of environmental protection and fundraising experience, Adam has developed an appreciation for complex social and environmental challenges. Specific fields of expertise are the human dimensions of natural resources management, applied ecology with an emphasis on invasive species management, geographic information systems, data analyses, collaboration, and philanthropy.			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Statewide Noxious Invasive Pest Program (SNIPP); Multiple Counties, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is providing consultation services to the Hawai'i Department of Transportation Highways Division for developing and implementing the SNIPP, which includes the prevention, early detection, and control and management of invasive species along state highways. Specific services and deliverables include the following: 1) prevention of the spread and establishment of invasive species along highway rights-of-way (ROWs) 2) early detection and rapid response to identify, report, and respond to newly detected species before they become a detriment to highway ROWs 3) control and management of already established species to reduce their harmful impacts along state highways 4) restoration using non-invasive or appropriate native plants on highway ROWs that reduce risk from harmful invasive plants; and 5) community outreach and organizational collaboration with other state agencies, non-profit organizations, and neighboring landowners to ensure long-term solutions for the invasive species problem in Hawai'i. <i>Role: Environmental Specialist. Cost: \$9,586,608.</i>		
b.	(1) TITLE AND LOCATION (City and State) Hawai'i Invasive Species Council Ports of Entry Pest Monitoring Program; Honolulu City and County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2024-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA assisted the Hawai'i Invasive Species Council (HISC), the State of Hawai'i Department of Land and Natural Resources, and the University of Hawai'i in developing a five-year strategic plan for the Ports of Entry Monitoring (PoEM) Program. This program played a critical role in Hawai'i's biosecurity system by minimizing opportunities for invasive pest incursions at key entry points and safeguarding the islands from the devastating impacts of invasive species. By building on the goals and actions of the previous strategic plan, SWCA strengthened statewide biosecurity efforts, improved pest monitoring systems, and ensured a coordinated response to emerging threats. <i>Role: Project Manager. Coordinates stakeholder surveys, interviews, and meetings; primary author of a Systems Review Report and Strategic Planning Summary Report; co-author of the 2026-2031 Program Strategic Plan. Cost: \$108,538.</i>		
c.	(1) TITLE AND LOCATION (City and State) Kauai County Multi-Hazard Mitigation and Resilience Plan Update; County of Kauai; Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2024-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is providing support to Kauai County to update the Multi-Hazard Mitigation and Resilience Plan (MHMRP), ensuring compliance with 44 CFR 201.6. SWCA is working alongside the County, while collaborating with the Core Planning Team, and the Steering Committee to review and revise the HMP, while also incorporating feedback from the local community and other stakeholders. The project involves a comprehensive planning process to update the hazard profiles, vulnerability assessment, mitigation strategy, and plan maintenance. The goal is to ensure the MHMRP meets current standards, integrates the latest data, and effectively addresses the County's hazard mitigation goals. The planning process is designed with an emphasis on climate resilience and outreach to socially vulnerable populations. Final approval is anticipated for spring 2026. <i>Role: Associate Project Manager. Steering Committee lead, public engagement lead. Cost: \$123,190.</i>		
d.	(1) TITLE AND LOCATION (City and State) Pakini Nui Habitat Conservation Plan; Hawaii Island County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2014-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA prepared a state Habitat Conservation Plan (HCP) in support of an application to the Division of Forestry and Wildlife (DOFAW) for an incidental take license for three listed species for Tawhiri Power's 21 MW operational Pakini Nui Wind Farm at South Point on Hawaii Island. A federal HCP and associated NEPA documentation for an application to USFWS for an Endangered Species Act (ESA) Section 10(a) incidental take permit were also completed. In addition to the HCP development, SWCA has led carcass searches, as well as searcher efficiency and carcass retention trials. SWCA's team attends all agency meetings and addresses all HCP comments from USFWS and DOFAW. <i>Role: Project Manager. Cost: \$2,118,213.</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED WHO WILL PROVIDE SERVICES FOR THIS PROJECT CATEGORY

(Complete one Section E for each key person.)

12. NAME Alex Lau	13. TITLE SERVICE PROVIDED Botanist	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 9

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. Natural Resources and Environmental Management B.A./B.S. Biology and Ecology	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Alex Lau has extensive identification skills of both non-native and native flora of Hawai'i. He regularly networks with various stakeholders and interest groups, including natural resource management agencies, invasive species scientists, government agencies, plant importers, and botanical gardens to address invasive plants and broader biosecurity issues in Hawai'i.

18. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Statewide Noxious Invasive Pest Program; Multiple Counties, Hawai'i	2007-Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The project involved the authorship of Hawai'i Department of Transportation's (HDOT's) 10-year SNIPP Strategic Plan, including organization of multiagency workshops to develop goals for managing invasive species, development of best management practices, and coordination of restoration effort. This program is designed to mitigate the introduction, spread, and impact of invasive species in Hawai'i. <i>Role: Botanist. Provides invasive species expertise and conducts invasive plant species surveys statewide; produces project deliverable reports and assists with liaison between various management agencies. Cost: \$9,586,608.</i>		
b.	Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; Kahului, Maui County, Hawai'i	2019-2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA teamed with RS&H to complete an EA compliant with NEPA and the Hawai'i Environmental Policy Act for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. <i>Role: Environmental Specialist. Conducted botanical survey and assisted with report writing. Cost: \$122,978.</i>		
c.	Kuaokala Ridge Energy Project Biological Surveys and Wetland Delineation Survey, Oahu, Hawai'i	2018-2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA conducted survey for KFS, in support of the U.S. Department of Defense Missile Defense Agency (MDA) project at Kuaokala Ridge and at the Kahuku Training Area (KTA) on the Island of O'ahu. SWCA conducted terrestrial flora and fauna surveys for the potential for the presence of state or federally listed threatened, endangered, proposed, or candidate species and rare species. As part of this project, SWCA also conducted extensive surveys for the Hawaiian short-eared owl (a.k.a. pueo [<i>Asio flammeus sandwichensis</i>]) covering approximately 183-acres of the project footprint. <i>Role: Botanist. Conducted field surveys and report writing for biological resources. Cost: \$258,396.</i>		
d.	Coral Sea Road Flora and Fauna Survey; Honolulu, Honolulu City and County, Hawai'i	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm HMS Construction INC invited SWCA to conduct a pre-construction flora and fauna survey for the USCG Air Station Barber's Point 12-kilovolt (kV) line extension project in the Ewa District on O'ahu. SWCA reviewed available scientific and technical literature regarding natural resources in and near the survey area. A pedestrian flora (botanical) and fauna survey was conducted to document all species present in the area. A report was prepared summarizing all survey findings along with avoidance and minimization measures. <i>Role: Botanist. Conducted flora surveys identifying any state or federally listed candidate, threatened, or endangered species, species of concern, and/or rare species. Cost: \$9,397.</i>		
e.	Kalihi Stream Bridge Repair Cultural and Natural Resources Support, Honolulu County, Hawai'i	2023-Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA was contracted by Bowers + Kubota Consulting to assist with the environmental aspects of the repair of the highway bridge over Kalihi Stream located on Honolulu, O'ahu. SWCA undertook background research concerning the natural resources and species that potentially occur in or near the proposed project area. SWCA will correspond with USFWS to determine if any special-status species have the potential to occur within the project area. SWCA will also liaise with NOAA regarding essential fish habitat that may occur at the site. A subsequent field survey will be conducted to document the habitats and species that are present within the proposed project area. <i>Role: Botanist. Background research, flora survey and and drafted report. Cost: \$34,681.</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED WHO WILL PROVIDE SERVICES FOR THIS PROJECT CATEGORY

(Complete one Section E for each key person.)

12. NAME Miranda Foley	13. TITLE SERVICE PROVIDED Outreach Coordinator	14. YEARS EXPERIENCE	
		a. TOTAL 20	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION)
M.E.M. Environmental Economics and Policy
B.A. Biology - Marine Science

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
N/A

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Miranda Foley has over 20 years of experience designing and executing large-scale natural resource projects and policy initiatives in the Pacific. She has worked within and alongside governments, non-profits, landowners, and communities in Hawai'i since 2004. This niche expertise of the Pacific region enables her to navigate efficiently and effectively between partner agencies and organizations to leverage the appropriate resources needed to accomplish a specific project outcome. Miranda conducts her work with a high level of sensitivity and respect for local, traditional, and indigenous cultures.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Hawai'i DLNR DOFAW Kanaio Game Management Area; Maui County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017-2024	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The Hawai'i DOFAW asked SWCA to complete a strategic management plan, EA, and related regulatory compliance documents for the Kanaio Game Management Area (GMA). The GMA also required an inventory of cultural sites, as well as mitigation recommendations. <i>Role: Outreach Coordinator. Designed the process and elements of the Stakeholder Engagement Plan to guide the involvement of the community and landowners. Cost: \$774,704.</i>		<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Statewide Noxious Invasive Pest Program (SNIPP); Multiple Counties, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2007-Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The objective of the project is to mitigate the effects of invasive species along state highways through preventative measures, early detection, control and management, and restoration activities. <i>Role: Outreach Coordinator. Facilitate instructor-led trainings on Oahu and neighbor islands; Ensure day-of coordination and logistics with subject-matter-experts, HDOT, and trainees; Moderate trainee questions and input; and develop trainer/ trainee feedback loop to modify instruction content for improved learning. Cost: \$9,986,608.</i>		<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Coastal and Marine Spatial Planning; Guam, American Samoa, CNMI	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015-Ongoing	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The purpose of the project is to develop a regional plan for the balanced, sustainable management of the coastal and marine areas of the Pacific Islands region using guidance from the National Ocean Council, the National Ocean Policy, Implementation Plan, and Marine Planning Handbook. <i>Role: Consultant. Designs the planning process and facilitates the execution of that process within the larger and jurisdictional partnership teams.</i>		<input type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; RS&H, Inc.; Kahului, Maui County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019-2022	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE SWCA teamed with RS&H to complete an EA compliant with NEPA and the HEPA (HRS Chapter 343) for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. <i>Role: Outreach Coordinator. Cost: \$122,978.</i>		<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Hawai'i Sub-Regional Ocean Partnership; Honolulu, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012-2014	CONSTRUCTION (If applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The State of Hawai'i and county agencies have been collaborating since 1985 to coordinate the management of Hawai'i's ocean and coastal resources. Directors of state and county agencies work through the Council on Ocean Resources to coordinate and implement the State's shared ocean and coastal resource management priorities, while also cooperating with community and federal partners. <i>Role: Hawai'i Ocean Council Coordinator. Designed the governance framework to reconfigure and streamline the Council on Ocean Resources.</i>		<input type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED WHO WILL PROVIDE SERVICES FOR THIS PROJECT CATEGORY

(Complete one Section E for each key person.)

12. NAME Julie Gaertner	13. TITLE SERVICE PROVIDED Environmental Scientist / GIS Analyst	14. YEARS EXPERIENCE	
		a. TOTAL 21	b. WITH CURRENT FIRM 11

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION)
M.S. Tropical Conservation Biology & Environmental Science
B.S. Environmental Science and Resource Management
m: Streamside Studies
A.S. Environmental Science and Water Studies

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
N/A

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Julie Gaertner has over 20 years of experience in resource management, cartography (GIS) and geospatial analysis. Publications include SNIPP statewide roadside survey maps (2017), statewide albizia distribution and road hazard mitigation maps (2014-2017), statewide agriculture and land use baseline maps (2016), Kona coffee distribution and coffee berry borer on Hawai'i Island (2016), geospatial database USDA HERMES GIS Viewer (2015), among others.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Statewide Noxious Invasive Plant Program (SNIPP); Statewide, Hawai'i	2007-Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is providing consultation services to the Hawai'i Department of Transportation Highways Division for developing and implementing the SNIPP, which includes the prevention, early detection, and control and management of invasive species along state highways. Specific services and deliverables include the following: 1) prevention of the spread and establishment of invasive species along highway rights-of-way (ROWs) 2) early detection and rapid response to identify, report, and respond to newly detected species before they become a detriment to highway ROWs 3) control and management of already established species to reduce their harmful impacts along state highways 4) restoration using non-invasive or appropriate native plants on highway ROWs that reduce risk from harmful invasive plants; and 5) community outreach and organizational collaboration with other state agencies, non-profit organizations, and neighboring landowners to ensure long-term solutions for the invasive species problem in Hawai'i. <i>Role: Environmental Specialist. Coordinator of the HMSLM and MPTD trainings, GIS database management, invasive species website management, and all project maps preparation.</i> Cost: \$9,586,608.		
b.	Kahului Airport (OGG) Runway Reconstruction Environmental Assessment	2019-2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA teamed with RS&H to complete an EA compliant with NEPA and the HEPA (HRS Chapter 343) for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. <i>Role: Environmental Specialist. GIS geodatabase analysis and management, field survey coordinator and data collection, web maps, and cartography.</i> Cost: \$122,978.		
c.	Hawai'i Kanaio Game Management Area; Maui County, Hawai'i	2017-2024	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The Hawai'i DOFAW asked SWCA to complete a strategic management plan, EA, and related regulatory compliance documents for the Kanaio Game Management Area (GMA). The GMA also required an inventory of cultural sites, as well as mitigation recommendations. <i>Role: Environmental Specialist/GIS Analyst. Provided GIS support and handled map revision.</i> Cost: \$774,704.		
d.	Honua'ula Environmental Services; Honua'ula Partners, LLC; Maui County, Hawai'i	2008-Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA developed a Habitat Conservation Plan and Environmental Assessment to fulfill the National Environmental Policy Act requirement for federal permit issuance. SWCA also developed a Conservation and Stewardship Plan and an Animal Management Plan. SWCA provided crucial support for an Environmental Impact Statement, which was accepted, and conducted large-scale, comprehensive botanical and wildlife surveys. <i>Role: Environmental Specialist. GIS geodatabase analysis and management, field survey coordinator and data collection, web maps, and cartography.</i> Cost: \$1,005,544.		
e.	Coral Sea Road Flora and Fauna Survey; Honolulu, Honolulu City and County, Hawai'i	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm HMS Construction INC invited SWCA to conduct a pre-construction flora and fauna survey for the USCG Air Station Barber's Point 12-kilovolt (kV) line extension project in the Ewa District on O'ahu. SWCA reviewed available scientific and technical literature regarding natural resources in and near the survey area. A pedestrian flora (botanical) and fauna survey was conducted to document all species present in the area. A report was prepared summarizing all survey findings along with avoidance and minimization measures. <i>Role: Botanist / Environmental Specialist. GIS geodatabase analysis and management, field survey coordinator and data collection, web maps, and cartography.</i> Cost: \$9,397.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Sarah Halpern	13. ROLE IN THIS CONTRACT GIS Specialist	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION (City and State)

SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (Degree and Specialization)

M.S. Geographic Information Science and Technology
B.A. Environmental Studies; c. Ecology & Conservation

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

Certified Remote Pilot No. 4211071; Federal Aviation Administration; 201

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Sarah Halpern is currently serving as a GIS Specialist supporting the West Region. With a Master's degree in GIS, she is working on GIS for an assortment of projects for Honolulu and Pasadena. She is a registered UAV pilot with experience flying over natural habitats around Hawai'i. Along with this, Sarah assists with various field surveys for the Honolulu office. Sarah has skills in community outreach as she served as an event coordinator for 2 years prior to SWCA. At the same time, she was working in the local cacao industry of Hawai'i. She also serves as the Administrative Assistant at the Honolulu office of SWCA. This includes general office organizational duties as well as assisting in current opportunities and projects.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Statewide Noxious Invasive Pest Program; Multiple Counties, Hawai'i The project involved the authorship of Hawai'i Department of Transportation's (HDOT's) 10-year SNIPP Strategic Plan, including organization of multiagency workshops to develop goals for managing invasive species, development of best management practices, and coordination of restoration effort. This program is designed to mitigate the introduction, spread, and impact of invasive species in Hawai'i. Role: GIS/Administrative Support. Travel coordination, project coordination, GIS support, drafting newsletter, attending conferences, and running HMSLM trainings. Cost: \$9,586,608.	2007-Ongoing	N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; Kahului, Maui County, Hawai'i teamed with RS&H to complete an EA compliant with NEPA and the Hawai'i Environmental Policy Act for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. Role: GIS Specialist. Project coordination. Cost: \$122,978.	2019-Ongoing	N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Kilauea Bicycle and Pedestrian Access Alternatives Environmental Assessment; Kauai County, Hawai'i SWCA was contracted by Atkins to assist FHWA Central Federal Lands Division with planning for construction of a pedestrian and bike path between Kilauea Town and the Kilauea Point Lighthouse on Kauai. SWCA is in the process of finalizing a cultural resource consultation, environmental compliance monitoring and wetland permitting, and preparation of a Biological Assessment. As part of the environmental compliance, SWCA conducted T&E species research, conducted flora and fauna surveys in the project area. SWCA has conducted consultations with SHPO, USFWS, DOFAW and USACE throughout the life of the projects. Role: GIS Specialist. Geodatabase organization and report map creation. Cost: \$81,104.	2016-Ongoing	N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Army Acceptance of Land Donation of Island Palm Communities Parcels 7 and 9 EIS; Confidential Location At the request of GSI, SWCA is providing cultural resources support for the proposed US Army acceptance of land donation of Island Palm Communities Parcels 7 and 9. and the future development of these parcels. The 2,400-acre project area is located in the district of 'Ewa on O'ahu's central plain. To support the project, SWCA is conducting a Traditional Cultural Places Study and an Archaeological Survey to identify and document all cultural and historical resources present within the project area. These studies are intended to assist the U.S. Army Garrison-Hawai'i in complying with its responsibilities under Section 106 of the National Historic Preservation Act. Role: GIS Specialist. Geodatabase organization and report map creation. Cost: \$40,362.	2022-2023	N/A
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ahukini Landfill Restoration Permitting Support; Lihue, Kauai County, Hawaii Belt Collins Hawai'i LLC invited SWCA to support their work on the stabilization of the retired Ahukini Landfill near Lihue Airport, Kauai. The biological survey consisted of an in-depth literature review, flora and fauna survey, and documenting and mapping all wedge-tailed shearwater (Puffinus pacificus) burrows in the project area, as well as preparing a report describing all survey findings with potential impacts of the project to the flora and fauna in the project area. SWCA will provide assistance with USFWS and DOFAW consultation, as necessary and will produce a Wildlife Management Plan in support of the issuance of a permit to allow destruction of the wedge-tailed shearwater nests. In addition, SWCA conducted an archaeological literature review and a field inspection. SWCA was also tasked with preparing a Cultural Impact Assessment for the area. Role: GIS Specialist. Geodatabase organization and report map creation. Cost: \$82,147.	2018-2024	N/A

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Brittany Sahatjian	13. ROLE IN THIS CONTRACT Lead Environmental Planner	14. YEARS EXPERIENCE	
		a. TOTAL 14	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION *(City and State)*

SWCA Environmental Consultants; Portland, Oregon

16. EDUCATION *(Degree and Specialization)*

M.E.M., Environmental Management
B.S., Environmental Science and Resource Management;

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

NA

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Brittany Sahatjian has 13 years of experience as an environmental planner and National Environmental Policy Act (NEPA) specialist. She has worked on several large-scale NEPA environmental assessments (EAs) and environmental impact statements (EISs) and typically serves as Assistant Project Manager (APM), playing a lead role in the environmental analysis for several different resources. She has been the primary author for many different types of technical analyses related to special-status species and their associated habitats and is well versed in evaluating habitat for Endangered Species Act (ESA)-listed threatened and endangered species. She has led field efforts for large-scale wetland delineations, habitat assessments, and species-specific protocol surveys and regularly facilitates consultation and coordination with state wildlife agencies.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Kauai Mosquito Suppression EA; Kaua'i County, Hawaii.	2021-2023	N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is assisting DLNR and USFWS with the preparation of an EA and an accompanying cultural impact analysis for using the Wolbachia-based Incompatible Insect Technique (IIT) for the suppression of southern house (Culex quinquefasciatus) mosquito populations on Kaua'i. This EA is needed to acquire the necessary state and federal permits for the application of Wolbachia IIT mosquitoes. Role: Environmental Scientist. Served as one of the primary authors for the EA Affected Environment and Environmental Effects chapter. Cost: \$108,439.		
Kawailoa Wind Farm HCP Amendment EA: Honolulu City and County, Hawaii.	2016-2017	N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA prepared the federal environmental assessment (EA) and state environmental impact statement (EIS) associated with the Kawailoa Wind Power HCP amendment. The federal EA and state EIS analyzed the direct, indirect, and cumulative effects of the proposed increase in incidental take for the Hawaiian hoary bat, and the mitigation and minimization measures proposed from implementation of the HCP amendment. Role: Assistant Project Manager. Brittany served as APM for a portion of the Project. Cost: \$86,590.		
Lalamilo Wind Farm Habitat Conservation Plan (HCP); Hawaii County, Hawaii.	2014-Ongoing	N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA is providing consulting services to the proposed 3.3-Megawatt Lalamilo Wind Farm facility for an HCP to comply with Section 10 of the Endangered Species Act (ESA) and to avoid potential violations of ESA Section 9 take prohibition and Hawaii Revised Statutes Section 195D. The incidental take of two listed species—the Hawaiian hoary bat and the Hawaiian petrel (Pterodroma sandwichensis)—could occur as a result of the continued operation of the wind farm. The HCP contains operational impact minimization measures as well as mitigation measures to compensate for the potential incidental take. All mitigation measures were developed with the intention of providing a net ecological benefit to the species in alignment with state and federal recovery goals. Role: Assistant Project Manager. Brittany served as a contributing author of EA. Cost: \$552,157.		
Devils Tower Environmental Assessment; Crook County, Wyoming.	2017-2018	N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm NPS is proposing several improvements to existing visitor facilities at Devils Tower National Monument to ensure that people of all abilities can access and enjoy the Monument's Tower Trail and visitor center area. SWCA was contracted to prepare an environmental assessment (EA) and assist with other environmental compliance tasks under NEPA, National Historic Preservation Act Section 106 and ESA Section 7. Role: Environmental Scientist. Served as a primary author of EA and primary author for the biological assessment for northern long-eared bat. Worked closely with NPS staff through multiple iterations of the internal draft EA to resolve their comments and concerns and achieve completion of the public draft EA. Cost: \$58,475.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Luis Aguilar	13. ROLE IN THIS CONTRACT Principal Wetland Scientist	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION *(City and State)*

SWCA Environmental Consultants; Pasadena Office, Pasadena, CA

16. EDUCATION *(Degree and Specialization)*

M.A., Geography/GIS
B.A., Geography

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Luis Aguilar is an experienced aquatic resources regulatory specialist and International Society of Arboriculture (ISA)–certified arborist. As a principal wetland scientist at SWCA, Luis is responsible for managing wetland delineation efforts, preparing and reviewing aquatic resources delineation reports and permit applications, and conducting agency and client coordination. He has extensive experience as a wetland scientist conducting delineations following the guidelines set forth by all applicable overseeing agencies, including but not limited to the U.S. Army Corps of Engineers, the California State Water Resources Control Board and its Regional Water Quality Control Boards, and the California Department of Fish and Wildlife.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Kauai, Waimea 400 Wetland Delineation; Kauai County, Hawaii.	2024-2025	N/A
a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE SWCA conducted a biological survey for aquatic resources field delineation and reported across about 382 acres of large former agricultural field and wetlands. <i>Role: Wetland Scientist.</i> Cost: \$40,418.	<input checked="" type="checkbox"/> Check if project performed with current firm	
La Brea Tar Pits Master Plan EIR; Los Angeles County, California.	2020-Ongoing	N/A
b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE SWCA is preparing an Environmental Impact Report (EIR) addressing the environmental impacts of significant improvements to this iconic site in central Los Angeles. Significant development has occurred in the project vicinity in recent years (e.g., at the adjacent Los Angeles County Museum of Art and with the Los Angeles Metro), and the EIR and approach to construction phasing will be highly scrutinized. In addition to leading the EIR process, SWCA is assisting with the public engagement process. The conceptual master plan was recently developed by the Natural History Museum for the future development and enhancement of the La Brea Tar Pits site. The master plan includes the existing museum and Hancock Park and seeks to unify the critical research sites, buildings, exhibition space, and the park with an inspiring new identity. <i>Role: Wetland Specialist. Conducted surveys to document existing conditions for protected trees and aquatic resources in support of the La Brea Tar Pits Master Plan. Prepared the corresponding existing conditions section of the biological technical report including the recommended mitigation measures.</i> Cost: \$999,702.	<input checked="" type="checkbox"/> Check if project performed with current firm	
County of San Mateo EIR for Canyon Lane Roadway Improvements; Redwood City, San Mateo County, California.	2019	N/A
c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE SWCA prepared an EIR and technical background studies for the development of a single-family residence on one parcel on Canyon Lane and the construction of new utilities, including a water line that would loop in with an existing water line within Redwood City, an underground electrical distribution line, and stormwater infrastructure. As a result of the road improvements and utility extensions, the project has the potential to lead to future development of residences on 11 parcels, which was analyzed as a foreseeable future impact in the EIR. <i>Role: Wetland Specialist. Provided technical expertise for waters-related sections.</i> Cost: \$213,655.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Otay River Restoration, Mitigation Bank and Public Trails; San Diego County, California.	2021-Ongoing	N/A
d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE SWCA is providing restoration design and permitting services for approximately 1.5 miles of Otay River mainstem through an area historically disturbed by sand mining and now invaded with tamarisk. The project also includes 4+ miles of recreational trails, including equestrian and mountain bike use, along with border patrol and utility access needs. Leading the design of the project to recreate a functional river, including transitional and upland native habitats totaling approximately 148 acres. <i>Role: Wetland Specialist. Acted as the lead wetland scientist/waters regulatory specialist and botanical resources subject matter expert.</i> Cost: \$8,997,385.	<input checked="" type="checkbox"/> Check if project performed with current firm	
Santa Clarita Valley Water Agency Pump Station; Santa Clarita, Los Angeles County, California.	2020	N/A
e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE SWCA was retained by Woodard & Curran, Inc. to provide natural and cultural resource services for a pump station improvement project in Los Angeles County. SWCA conducted cultural, biological, and aquatic resource studies in support of the project. SWCA is currently working with Woodard & Curran and the Santa Clarita Valley Water Agency to provide guidance for compliance with federal and state regulations. <i>Role: Wetland Specialist. Advised client on permitting requirements and strategy. Led aquatic resources delineation and prepared an aquatic resources delineation report.</i> Cost: \$19,211.	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Rowland Reeve	13. ROLE IN THIS CONTRACT Cultural Resources Principal Investigator	14. YEARS EXPERIENCE	
		a. TOTAL 47	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION) M.A., Archaeology B.A., Anthropology	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Prof. Archaeologist DLNR Hawai'i Principal Investigator Permit (20-33); HI
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Reeve is principal archaeologist at SWCA's Hawai'i and Pacific Islands Office. Born and raised in Hawai'i, he has worked in the field of archaeology for over 45 years. He has been involved in archaeological investigations in the Hawaiian Islands, the South Pacific, Australia, Southeast Asia, Central and South America, and Europe. His experience in Hawaiian archaeology includes all aspects of field investigation. He has directed and participated in reconnaissance surveys, inventory survey and testing, and data recovery excavations, and has prepared numerous archaeological survey, monitoring, preservation, and burial treatment plans and reports. Rowland is also proficient in conducting archival research and oral history interviews. He has extensive experience with federal and state historic preservation statutes and regulations and has worked closely with the Hawai'i State Historic Preservation Division and Native Hawaiian groups and individuals to resolve historic preservation concerns.

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Kilauea Bicycle and Pedestrian Access Alternatives Environmental Assessment; Atkins; Kauai County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2016-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE SWCA was contracted by Atkins to assist the Federal Highway Administration Central Federal Lands Division with planning for construction of a pedestrian and bike path between Kilauea Town and the Kilauea Point Lighthouse on the Island of Kauai. SWCA conducted an archaeological survey of the direct APE for the project, and documented and evaluated historic properties within the indirect APE for Hawai'i Register of Historic Places and National Register of Historic Places eligibility. SWCA also conducted consultation with the SHPD for the project. <i>Role: Principal Investigator. Prepared final report. Cost: \$81,104.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
b.	(1) TITLE AND LOCATION (City and State) Lahaina Aquifer Management Area Ka Pa'akai Analysis; Maui County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2023-2024	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE SWCA assisted the County of Maui, Department of Water Supply by preparing Ka Pa'akai Analyses in support of their Water Use Permit application with the State of Hawai'i for several existing and proposed wells and surface water sources within the Lahaina Aquifer District. These analyses follow the guidelines established by the 2000 Hawaii Supreme Court decision and involve the identification of cultural, historical, and natural resources of value to Native Hawaiians located within the Water Use Permit area, and the extent to which traditional and customary Native Hawaiian rights are exercised in the area. <i>Role: Principal Investigator. Provided oversight for the project, including quality review of all deliverables. Cost: \$230,976.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
c.	(1) TITLE AND LOCATION (City and State) Hawai'i Kanaio Game Management Area; Maui County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2017-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE The Hawai'i DOWFAW asked SWCA to complete a strategic management plan, EA, and related regulatory compliance documents for the Kanaio Game Management Area (GMA). The GMA also required an inventory of cultural sites, as well as mitigation recommendations. <i>Role: Principal Investigator. Provided oversight of archaeological research for the project including report preparations, consultation with SHPD: and quality review of all deliverables. Cost: \$774,704.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
d.	(1) TITLE AND LOCATION (City and State) County of Maui Ho'okipa Beach Park Cultural Assessment; Maui County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2022-Ongoing	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE To assist in future planning for the expansion and redesign of Ho'okipa Beach Park, the County of Maui, Department of Parks and Recreation, Planning and Development Division contracted SWCA to conduct a formal Cultural Assessment of the park area and its adjacent parcels. This assessment is intended to provide a greater understanding of the cultural significance of the area, its landscape history, and the traditional and contemporary customs and practices associated with it. <i>Role: Project Manager. Project management and oversight of research, including quality review of all deliverables. Cost: \$199,437.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	
e.	(1) TITLE AND LOCATION (City and State) Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; Kahului, Maui County, Hawai'i	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019-2022	CONSTRUCTION (If applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE SWCA teamed with RS&H to complete an EA compliant with NEPA and the Hawai'i Environmental Policy Act (HEPA; also known as Hawai'i Revised Statutes [HRS] Chapter 343) for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. <i>Role: Project Manager. Conduct background research, lead all fieldwork activities, lead client and agency consultations, prepare reports. Cost: \$122,978.</i>	<input checked="" type="checkbox"/> Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ryan Gross	13. ROLE IN THIS CONTRACT Archaeologist/Project Manger	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION) M.A., Museum Studies B.A., Anthropology	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Registered Prof. Archaeologist DLNR Hawai'i Principal Investigator Permit; HI
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Ryan Gross is project level archaeologist at SWCA's Hawai'i and Pacific Islands Office. He has over 17 years of experience in the field of archaeology, having worked on projects for federal agencies, state and private universities, and cultural resource management firms throughout the Western United States and the Pacific (Hawai'i and Guam). He has participated in more than 100 archaeological projects, including reconnaissance and inventory level surveys, data recovery excavations, archaeological monitoring, and desktop reviews. Mr. Gross is experienced at managing cultural resources projects. He meets the Secretary of the Interior's standards in archaeology and possesses an in-depth knowledge of federal and state historic preservation statutes and regulations including National Historic Preservation Act, Section 106 and Hawai'i Revised Statutes 6E.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Kahuku, Waiale'e, and Waialua Archaeological Monitoring Plan; Honolulu City and County, Hawai'i	2023-Ongoing	N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
AECOM has requested that SWCA supply a scope of work and cost estimate to provide additional cultural resources support for the City and County of Honolulu Board of Water Supply's proposed installation of twenty-two water sampling stations in the areas of Kahuku, Waiale'e, and Waialua on the island of O'ahu. As part of this project, SWCA will prepare an archaeological Monitoring Plan. <i>Role: Cultural Resources Project Manager. Lead Report Author and Project Management.</i> Cost: \$17,981.		
Kalihi Stream Bridge Repair Cultural and Natural Resources Support; Honolulu City and County, Hawai'i	2023-Ongoing	N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
The HDOT has contracted with Bowers + Kubota Consulting to manage the engineering and environmental aspects of the repair of the highway bridge over Kalihi Stream located within the ahupua'a of Honolulu in the Kona District on the island of O'ahu. The structural repairs to the Kalihi Stream Bridge will include repair of spall and delamination, as well as crack repair, on the pier caps and pile elements. <i>Role: Project Manager. Supervised archaeological literature review and field inspection and prepared report.</i> Cost: \$34,681.		
Royal Kunia II Development Cultural Resource Survey; Honolulu City and County, Hawai'i	2021-Ongoing	N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
Haseko Development, Inc. has requested that SWCA provide a proposal and cost estimate to conduct a Reconnaissance Level Survey for the proposed Royal Kunia II residential development. The approximately 211-acre project area is located within the ahupua'a of Ho'ae'ae, in the district of 'Ewa, on the island of O'ahu, City and County of Honolulu. <i>Role: Project Manager. Conducted background research into the cultural history of the project area.</i> Cost: \$224,439.		
Kamehameha Hwy Rehabilitation Kahekili Hwy to Hee'ia Harbor Cultural Resources Support; AECOM, Inc.; Honolulu City and County, Hawai'i	2023-Ongoing	N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA is preparing a Cultural Impact Assessment and Archeological Literature Review and Field Inspection in support of an Environmental Assessment for Kamehameha Highway Roadway Rehabilitation and Erosion Mitigation in He'e'ia. The project includes improvements in several locations where the highway is being undermined by erosion. Such as the realignment of an approximately 3,000 linear foot section, culvert repair, guardrail repair, slope stabilization west of the He'e'ia boat ramp, roadway reconstruction, and complete street improvements for bicycles and pedestrians. <i>Role: Project Manager. Supervised archaeological literature review and field inspection and report preparation.</i> Cost: \$59,888.		
Archaeological Monitoring Support for the DHS Temporary Housing Project; HomeAid Hawaii; Maui County, Hawai'i	2024-Ongoing	N/A
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA is providing archaeological monitoring support for ground disturbing activities associated with the construction of temporary housing for victims of the Lahaina Wildfires. The DHS Temporary Housing Project - Kala'iola will involve the erection of 450 prefabricated housing units. The project area consists of approximately 60-70 acres of former sugar cane land located inland of Department of Hawaiian Home Lands' Villages of Leiali'i residential neighborhood north of Lahaina. <i>Role: Project Manager. Supervises archaeological field survey and report preparation.</i> Cost: \$207,255.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Wainani Traub	13. ROLE IN THIS CONTRACT Anthropologist / Ethnographer	14. YEARS EXPERIENCE	
		a. TOTAL 7	b. WITH CURRENT FIRM 4
15. FIRM NAME AND LOCATION (City and State) SWCA Environmental Consultants; Honolulu Office, Honolulu, HI			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S., Historic Preservation B.A., History: Pacific History		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Wainani Traub is associate project anthropologist at SWCA's Hawai'i and Pacific Islands Office, who lives on Hawai'i Island. She has four years of professional and academic experience in historic preservation and cultural resource management with a focus in Hawaiian and Pacific history. A native Hawaiian speaker, Ms. Traub possesses a deep understanding of Hawaiian culture and cultural values. She is equally experienced in undertaking archival research and in conducting archaeological fieldwork. She has completed historic building and site recording and prepared National Register of Historic Places documentation. She meets the Secretary of the Interior's professional qualifications standards in history.			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (<i>City and State</i>) Royal Kunia II Archaeological Inventory; Ewa, O'ahu, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021-Ongoing	CONSTRUCTION (<i>If applicable</i>) N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm a. SWCA is providing Haseko Development, Inc. with archaeological services in support of their Royal Kunia II development in the ahupua'a of Hō'ae'ae, in the district of 'Ewa, on the island of O'ahu. As part of this support, SWCA archaeologists undertook archival research regarding the cultural history and previous land use of the 211-acre Royal Kunia II residential development property. SWCA also conducted an archaeological field inspection of the property. This archival research and field inspection were undertaken to address the potential impacts of the proposed development of the Royal Kunia II property on both documented and previously unidentified historic properties. <i>Role: Archaeological Researcher. Conducted background research. Cost: \$224,439.</i>		
(1) TITLE AND LOCATION (<i>City and State</i>) Lāhainā Aquifer Management Area Ka Pa'akai Analysis; Maui County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023-2024	CONSTRUCTION (<i>If applicable</i>) N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm b. SWCA assisted the County of Maui, Department of Water Supply by preparing Ka Pa'akai Analyses in support of their Water Use Permit application with the State of Hawai'i for several existing and proposed wells and surface water sources within the Lahaina Aquifer District. These analyses follow the guidelines established by the 2000 Hawaii Supreme Court decision and involve the identification of cultural, historical, and natural resources of value to Native Hawaiians located within the Water Use Permit area, and the extent to which traditional and customary Native Hawaiian rights are exercised in the area. <i>Role: Anthropologist. Conducted archival ethnohistoric research and oral history interviews with community members and contributed to the final report. Cost: \$230,976.</i>		
(1) TITLE AND LOCATION (<i>City and State</i>) Kahala Wastewater Pump Station Rehabilitation Cultural Resources Support; Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021-2023	CONSTRUCTION (<i>If applicable</i>) N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm c. SWCA provided AECOM with cultural resources support for the Kahala Wastewater Pump Station Rehabilitation project located adjacent to Waialae Beach Park in Kahala, Honolulu. Cultural resources support involved the preparation of a Cultural Impact Assessment for incorporation into the Draft and Final Environmental Assessment for the project, as well as the submittal of an HRS 6E form and initiation of consultation with the State Historic Preservation Divisions. <i>Role: Archaeologist. Conducted background research into the cultural history of the project area. Cost: \$13,838.</i>		
(1) TITLE AND LOCATION (<i>City and State</i>) Kahuku, Waiale'e, and Waialua Board of Water Supply Water Sampling Stations Cultural Resources Support, City and County of Honolulu, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2021-Ongoing	CONSTRUCTION (<i>If applicable</i>) N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm d. SWCA provided AECOM with cultural resources support for the City and County of Honolulu Board of Water Supply's proposed installation of twenty-two water sampling stations in the areas of Kahuku, Waiale'e, and Waialua on the island of O'ahu. These services involved the undertaking of an archeological literature review and field inspection of the proposed water sampling station sites and the preparation of a report documenting the results of these investigations. SWCA also prepared and submitted an HRS 6E form for the project and initiate historic preservation review consultation with the Hawai'i State Historic Preservation Division. <i>Role: Archaeologist. Conducted background research into the cultural history of the project area. Performed the archaeological field inspection and report preparation. Cost: \$29,884.</i>		
(1) TITLE AND LOCATION (<i>City and State</i>) Ho'okipa Beach Park Cultural Assessment; Maui County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022-Ongoing	CONSTRUCTION (<i>If applicable</i>) N/A
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm e. To assist in future planning for the expansion and redesign of Ho'okipa Beach Park, the County of Maui, Department of Parks and Recreation, Planning and Development Division contracted SWCA to conduct a formal Cultural Assessment of the park area and its adjacent parcels. This assessment is intended to provide a greater understanding of the cultural significance of the area, its landscape history, and the traditional and contemporary customs and practices associated with it. <i>Role: Archaeologist. Ethnohistorical archival researcher and community cultural consultation lead. Cost: \$199,437.</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Tamara Luthy	13. ROLE IN THIS CONTRACT Anthropologist	14. YEARS EXPERIENCE	
		a. TOTAL 3	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION *(City and State)*

SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION *(Degree and Specialization)*

Ph.D. Environmental Anthropology
M.S. Botany (Ethnobotany track)
M.A. Anthropology (Medical track)

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

American Anthropological Association

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Dr. Tamara Luthy is a staff anthropologist at SWCA's Hawai'i and Pacific Islands Office. She has worked in the field of cultural resources management for over 3 years and has been involved for an additional 2 years in natural resource management and botanical research within the state of Hawai'i. Dr. Luthy is proficient in undertaking archival ethnohistoric research, conducting oral history interviews, and coordinating focus groups and community consultation. She is experienced with federal and state historic preservation statutes and regulations including the National Historic Preservation Act, Section 106 and Hawaii Revised Statutes §6E.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i> Lāhainā Aquifer Management Area Ka Pa'akai Analysis; Maui County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023-2024	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE a. SWCA assisted the County of Maui, Department of Water Supply by preparing Ka Pa'akai Analyses in support of their Water Use Permit application with the State of Hawai'i for several existing and proposed wells and surface water sources within the Lahaina Aquifer District. These analyses follow the guidelines established by the 2000 Hawaii Supreme Court decision and involve the identification of cultural, historical, and natural resources of value to Native Hawaiians located within the Water Use Permit area, and the extent to which traditional and customary Native Hawaiian rights are exercised in the area. <i>Role: Anthropologist. Conducted archival ethnohistoric research and oral history interviews with community members and contributed to the final report. Cost: \$230,976.</i>		<input checked="" type="checkbox"/> Check if project performed with current firm
(1) TITLE AND LOCATION <i>(City and State)</i> County of Maui Ho'okipa Beach Park Cultural Assessment; Confidential Location	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2022-Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE b. To assist in future planning for the expansion and redesign of Ho'okipa Beach Park, the County of Maui, Department of Parks and Recreation, Planning and Development Division contracted SWCA to conduct a formal Cultural Assessment of the park area and its adjacent parcels. This assessment is intended to provide a greater understanding of the cultural significance of the area, its landscape history, and the traditional and contemporary customs and practices associated with it. <i>Role: Anthropologist. Conducted archival ethnohistoric research and oral history interviews with community members and contributed to the final report. Cost: \$199,437.</i>		<input checked="" type="checkbox"/> Check if project performed with current firm
(1) TITLE AND LOCATION <i>(City and State)</i> Queen Emma Kawaihae Lands Archaeological Literature Review; Confidential Location	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023-Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE c. At the request of the Queen Emma Land Company (QEL), SWCA is undertaking archival research into the archaeology and ethnohistory of the Queen Emma owned lands located within the ahupua'a of Kawaihae 2 and Ouli on the island of Hawai'i. This effort will involve conducting research on the ethnohistory of the two ahupua'a and a literature review of the archaeological studies that have been conducted to date within them. The report produced to document this research will provide baseline data to assist QEL in managing its Kawaihae lands and will help identify information gaps that may eventually need to be filled to fully understand the cultural landscape of the area. <i>Role: Anthropologist. Conducted archival ethnohistoric research and contributed to the final report. Cost: Confidential.</i>		<input checked="" type="checkbox"/> Check if project performed with current firm
(1) TITLE AND LOCATION <i>(City and State)</i> Kamehameha Hwy Rehabilitation Kahekili Hwy to He'eia Harbor Cultural Resources Support; AECOM, Inc.; Honolulu City and County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023-Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE d. SWCA is preparing a Cultural Impact Assessment and Archeological Literature Review and Field Inspection in support of an Environmental Assessment for Kamehameha Highway Roadway Rehabilitation and Erosion Mitigation in He'eia. The project includes improvements in several locations where the highway is being undermined by erosion. Such as the realignment of an approximately 3,000 linear foot section, culvert repair, guardrail repair, slope stabilization west of the He'eia boat ramp, roadway reconstruction, and complete street improvements for bicycles and pedestrians. <i>Role: Cultural Anthropologist. Conducted archival ethnohistoric research and contributed to the final reports. Cost: \$59,888.</i>		<input checked="" type="checkbox"/> Check if project performed with current firm
(1) TITLE AND LOCATION <i>(City and State)</i> National Heritage Area nomination for Ka'ena Point; Honolulu County, Hawai'i	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019-2022	CONSTRUCTION <i>(If applicable)</i> N/A
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE e. The Hawai'i State Historic Preservation Division's (SHPD's) History and Culture Branch occasionally responds to requests from legislators and/or other state entities to engage in ethnohistoric research projects. One such project was conducting ethnohistoric research to support the recommendation of Ka'ena Point as Hawai'i's first National Heritage Area. <i>Role: Ethnographer. Researched, interviewed, compiled data, and developed recommendations for the creation of National Heritage Area nomination for Ka'ena Point. Cost: N/A</i>		<input type="checkbox"/> Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Hattie Gerrish	13. ROLE IN THIS CONTRACT Archaeologist	14. YEARS EXPERIENCE	
		a. TOTAL 9	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION *(City and State)*

SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION *(Degree and Specialization)*

B.A. Anthropology

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

N/A

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

With over 9 years in the field of cultural resource management, Hattie Gerrish possesses experience in various aspects of archaeological fieldwork, including surveying, site mapping and documentation, GPS recording, excavation, and archaeological monitoring. She has participated in cultural resources management projects in the Hilo, Puna, Ka'u, Kona, and Hamakua Districts of Hawai'i Island, as well as on Maui Island and Guam. She also lives on Hawai'i Island.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
Kahului Airport (OGG) Runway Reconstruction Environmental Assessment; Kahului, Maui County, Hawai'i	2019-2022	N/A
<p>a. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA teamed with RS&H to complete an EA compliant with NEPA and the Hawai'i Environmental Policy Act (HEPA; also known as Hawai'i Revised Statutes [HRS] Chapter 343) for the Kahului Airport (OGG) Runway Improvement project. SWCA has been assigned the following resource sections: biological resources; coastal resources; historic, architectural, archaeological, and cultural resources; and water resources. SWCA is also responsible for incorporating HEPA into the NEPA process. <i>Role: Archaeological Technician. Handled consultation outreach and correspondence for Cultural Impact Assessment. Cost: \$122,978.</i></p>		
Kukuioapa'e Fence Line Archaeological Consulting; Hawai'i County, Hawai'i	2019-2021	N/A
<p>b. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA provided the DLNR DOFAW with cultural resources consulting services related to the planned construction of an approximately 7.3-mile-long fence in the Kukuioapa'e section of the South Kona Forest Reserve on the slopes of the shield dome volcano of Mauna Loa. The fence was erected to limit ungulate activity within this portion of the reserve, which ranges from roughly 3,400 to 6,724 feet in elevation. <i>Role: Archaeological Technician. Participated in the field survey and assisted in the preparation of the archaeological inventory survey report. Cost: \$24,017.</i></p>		
Hawai'i DLNR DOFAW Kanaio Management Area; Maui County, Hawai'i	2017-Ongoing	N/A
<p>c. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm S The Hawai'i Division of Forestry and Wildlife has retained SWCA to complete a strategic management plan, environmental assessment, and related regulatory compliance documents for the Kanaio Game Management Area (GMA). The proposed GMA will also require biological assessments and an inventory of cultural sites, as well as mitigation recommendations. <i>Role: Archaeological Technician. Participated in the field survey and assisted in the preparation of the archaeological inventory survey report. Cost: \$774,704.</i></p>		
Ho'okipa Beach Park Cultural Assessment; Maui County, Hawai'i	2022-Ongoing	N/A
<p>d. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm To assist in future planning for the expansion and redesign of Ho'okipa Beach Park, the County of Maui, Department of Parks and Recreation, Planning and Development Division contracted SWCA to conduct a formal Cultural Assessment of the park area and its adjacent parcels. This assessment is intended to provide a greater understanding of the cultural significance of the area, its landscape history, and the traditional and contemporary customs and practices associated with it. <i>Role: Archaeological Technician. Supervised the archaeological field inspection of the Ho'okipa parcels and contributed to report preparation. Cost: \$199,437.</i></p>		
Army Acceptance of Land Donation of Island Palm Communities Parcels 7 and 9 EIS; Confidential Location	2022-2023	N/A
<p>e. (3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Belt At the request of GSI, SWCA is providing cultural resources support for the proposed US Army acceptance of 2,400-acre land donation of Island Palm Communities Parcels 7 and 9. and the future development of these parcels. To support the project, SWCA is conducting a Traditional Cultural Places Study and an Archaeological Survey to identify and document all cultural and historical resources present within the project area. These studies are intended to assist the U.S. Army Garrison-Hawai'i in complying with its responsibilities under Section 106 of the National Historic Preservation Act. <i>Role: Archaeologist. Assisted in archival research and report preparation. Cost: \$40,361.</i></p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Genevieve L. Glennon	13. ROLE IN THIS CONTRACT Staff Historian	14. YEARS EXPERIENCE	
		a. TOTAL 15	b. WITH CURRENT FIRM 0.3

15. FIRM NAME AND LOCATION *(City and State)*

SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION *(Degree and Specialization)*

B.A. Anthropology

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Genevieve L. Glennon is a Staff Archaeologist at SWCA's Hawai'i and Pacific Islands Office. With over 15 years of experience in the field of cultural resource management across the Hawaiian archipelago, Genevieve has led and participated in archaeological field inspections and inventory surveys, conducted archaeological construction monitoring, and prepared numerous technical reports. Genevieve's technical proficiency extends to archival research and artifact analysis, underscoring her commitment to preserving cultural heritage. She coordinates with stakeholders on federal, state, and private projects, guiding them through the historic preservation review process and ensuring compliance with federal and state regulations.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Maui Multiple Traffic Signals Replacement Cultural Resources Support, AECOM Technical Services Inc.; Maui City and County, Hawaii.	2025-Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA supported the State of Hawai'i Department of Transportation, Highways Division by preparing an archaeological literature review for traffic signal modernization to ensure the protection of cultural resources during the project's implementation. No field inspection was necessary for this project. Role: Archaeologist. Contributed to the research and report preparation for the archaeological literature review, ensuring compliance with cultural preservation standards. Cost: \$29,769.		
b.	Keolu Hills Archaeological Monitoring Plan Bowers and Kubota; Bowers + Kubota Consulting; Honolulu City and County, Hawaii.	2016-Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm This project involved developing an archaeological monitoring plan for the Board of Water Supply's Keolu Hills Water System Improvements, Part II. SWCA was tasked with preparing the plan and conducting monitoring to ensure the protection of cultural resources during the project's implementation. Role: Archaeologist. Contributed to the creation and execution of the monitoring plan, ensuring compliance with cultural preservation standards. Cost: \$273,799.		
c.	Kukulu Maui Archaeological Support, Confidential Client, Maui City and County, Hawaii.	2025	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA was tasked with preparing the archaeological literature review and field inspection, HRS 6E form preparation and submittal, and consultation with the State Historic Preservation Division (SHPD) to ensure the protection of cultural resources during the project's implementation. Role: Archaeologist. Contributed to the fieldwork, research, and report preparation for the archaeological literature review, ensuring compliance with cultural preservation standards. Cost: \$38,518.		
d.	2025 Pakini Nui Bias Trials; Tawhiri Power LLC; Hawaii County, Hawaii.	2025-Ongoing	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA aimed to enhance the accuracy of fatality detection methods at the Pakini Nui Wind Farm through bias trials conducted from February 1 to December 31, 2024. The trials involved systematic testing and data analysis to identify and correct potential biases, ultimately improving the reliability of environmental impact assessments. Role: Archaeologist. Ensured compliance with cultural resource management protocols, supporting the project's environmental and archaeological assessments. Cost: \$61,523.		
e.	2024 Kahilipali Nui Archaeological Monitoring, Ka'u District, Hawai'i County, Hawai'i.	2024	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Conducted archaeological monitoring for land clearing and geotechnical boring for the proposed Na'alehu Wastewater Management Project. This included the reidentification and verification of previously identified features to ensure their preservation, as well as monitoring construction activities to prevent inadvertent impacts to cultural resources. Role: Archaeologist. Ensured compliance with cultural resource management protocols, supporting the project's environmental and archaeological assessments. Cost: NA		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Susan Zamudio-Gurrola	13. ROLE IN THIS CONTRACT Lead Architectural Historian	14. YEARS EXPERIENCE	
		a. TOTAL 12	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION (City and State) SWCA Environmental Consultants; Pasadena, California			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.H.P., Historic Preservation B.A., History of Art and Architecture		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Susan Zamudio-Gurrola is an architectural historian with 12 years of experience in historic preservation and cultural resource management. Her experience includes conducting surveys and evaluations for the National Register of Historic Places (NRHP), California Register of Historical Resources, and local designation; preparing cultural resources studies in compliance with the National Environmental Policy Act (NEPA), Section 106 and Section 110 of the National Historic Preservation Act (NHPA), and local ordinances; effects/impacts assessments; reviewing projects for conformance with the Secretary of the Interior's Standards; and preparing historic context statements and Historic American Buildings Survey (HABS)/Historic American Engineering Record (HAER) documentation. Ms. Zamudio-Gurrola meets the qualifications of an architectural historian under Hawai'i Administrative Rules Chapter 13-281-5.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Interpretive and Archive Plan for the Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility; United States Navy; City and County of Honolulu, Hawai'i	2024 – Ongoing	N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA has partnered with Kleinfelder, Inc. to develop an Interpretive Plan and an Archive Plan for the U. S. Navy's Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility. The twin plans are being developed as mitigation actions to support the resolution of cumulative effects related to recent shipyard modernization. Work on this project involves background and archival research, inventory of existing interpretive materials, and the preparation of a written plan for the development of interpretive material related to the history of the land the shipyard and maintenance facility are located upon, as well as the creation and management of archives associated with the area. <i>Role: Architectural Historian and Interpretive Planner. Conducting background and archival research, co-author for interpretive and archive plan. Cost: \$288,708.</i>		
Royal Kunia II Reconnaissance Level Survey, HAER-like documentation and Interpretive Signage; Honolulu City and County, Hawai'i.	2023 - Ongoing	N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm SWCA was contracted to conduct a Reconnaissance Level Survey for the proposed 211-acre Royal Kunia II residential development located within the ahupua'a of Ho'ae'ae in the 'Ewa district of O'ahu. The survey covered three parcels identified by City and County of Honolulu Tax Map Keys (TMK) and aimed to assess historical and cultural resources within the project area. The scope included documenting existing conditions, identifying potential significant historic properties, an effects assessment, coordination with the Hawai'i State Historic Preservation Division (SHPD), development of mitigation commitments, preparation of a HAER-like documentation report, and development of interpretive signage to be installed at the property. <i>Role: Architectural Historian. Conducted research, contributed to the RLS report and interpretive signage, and authored the HAER report. Cost: \$71,881.</i>		
Survey and Evaluation of Cultural Resources for the LOSSAN Control Point San Onofre to Control Point Pulgas Double Track Project Stage 2--Addendum 2: Historic Property Evaluation of the San Diego Northern Railway and Finding of Effect; San Diego County, California.	2022	N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm The proposed undertaking entails upgrading approximately 1.8 miles of rail line by installing a second track parallel to the existing single track, constructing two new double-track bridges, and updating the signal system. Subsequent to the original cultural resources study prepared for the undertaking, SWCA prepared an addendum to evaluate a segment of the San Diego Northern Railway within the Area of Potential Effects which traverses Marine Corps Base Camp Pendleton. The railroad segment was found eligible for the NRHP as a contributing element to a larger resource, the Atchison, Topeka and Santa Fe Railway, which had previously been determined eligible for the NRHP as a linear resource. An effects analysis found the undertaking would not result in an adverse effect to the historic property. The report was subject to review by Marine Corps Base Camp Pendleton. <i>Role: Architectural Historian. Conducted research and authored the report detailing the evaluation and finding of effect. Cost: \$12,000.</i>		
Mountain Home Air Force Base Historic Property Evaluation, Historic Preservation and Maintenance Manual, and Archaeological Context; Mountain Home, Idaho.	2022	N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm The project included the evaluation of the Mountain Home Air Force Base runway system for the NRHP, preparation of a historic preservation and maintenance manual for a NRHP-eligible building on the base, and development of an archaeological context within which to evaluate historic period archaeological resources identified on the base and associated ranges. A particular focus of the research and context was the Basque immigrant community, which had not been adequately studied and documented previously. Work included a site visit to the air force base and archival research including literature, map and aerial photograph review conducted at the base historian and real property offices, the Idaho State Archives, Boise State University Special Collections, the Basque Museum and Cultural Center, and other repositories. The project was undertaken to support compliance with Section 110 of the NHPA. <i>Role: Architectural Historian. Conducted site visit, research, and co-authored the NRHP evaluation of the runway system.</i>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Julie Kramer	13. ROLE IN THIS CONTRACT Associate Project Archaeologist	14. YEARS EXPERIENCE	
		a. TOTAL 18	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)
SWCA Environmental Consultants; Honolulu Office, Honolulu, HI

16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. coursework, Environmental Management M.S. coursework only, Archaeology B.S., Anthropology with an Archaeology focus	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) N/A
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Julie Kramer is an Associate Project Archaeologist for SWCA's Honolulu office, where she writes and assists with reports and archaeology lab duties. She also has experience managing multiple crews conducting all aspects of fieldwork, managing databases, and managing collections and archaeological labs. She brings over 17 years of experience and training in data recovery, artifact analysis, faunal analysis, curation, and collections management. She has performed analysis of pre-contact/prehistoric and post-contact/historic fauna, ceramics, lithics, and other items, has conducted archival research and database compilation, and prepared items for archival storage. She has authored and co-authored several technical reports through collaboration with principal investigators for small to large private clients and government clients. She has conducted projects across the western U.S. and the islands of Hawai'i, Maui, and Oahu.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a. Department of Human Services Temporary Housing Project – Ka La'i Ola; Maui County, Hawai'i	2024-Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA assisted a local non-profit client, HomeAid Hawaii, with the State of Hawaii Department of Human Services Temporary Housing Project – "Ka La'i Ola". This project involves the construction of 450 temporary housing units for victims of the 2023 wildfires in Lahaina, Maui. The project area comprises approximately 80 acres of former commercial sugar cane fields. To satisfy historic preservation review for the project, SWCA conducted archaeological surveys of the areas to be impacted, monitored construction activities, and consulted regularly with the Hawai'i State Historic Preservation Division. <i>Role: Archaeology crew. Providing support for project deliverables and assisting with archaeological reporting and reconnaissance-level architectural report writing. Cost: \$212,228.</i>		
b. Crozier Drive CR Support for SMA Major Application; Honolulu City and County, Hawaii	2024-Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA is preparing materials to initiate the historic preservation review process for a project under Hawaii Revised Statutes 6E-42. This effort includes drafting a request for consultation letter to the SHPD, describing the project, and seeking guidance on the Archaeological Inventory Survey (AIS) requirements. SWCA will develop an AIS strategy based on SHPD's guidance. The first phase involves preparing the HRS 6E Submittal Form with required documentation, initiating consultation with the SHPD Archaeology Branch, and preparing a document detailing the proposed AIS testing strategy. Following SHPD approval, SWCA will prepare a separate cost proposal for conducting the AIS fieldwork and reporting. <i>Role: Archaeologist. Co-authored HRS 6E Submittal Form and associated documents and will conduct archaeological fieldwork and co-author the resulting technical report. Cost: \$6,469.</i>		
c. Hawaiian Electric Army Privatization Project – Archaeological On-call Service; City and County of Honolulu, Hawaii.	2024-Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA is currently providing on-call archaeological services to Hawaiian Electric in support of its electrical infrastructure maintenance and repair work on U.S. Army installations throughout the Island of O'ahu. In addition to assisting Hawaiian Electric in navigating the complex federal permitting and compliance process, SWCA is providing boots-on-the-ground support for needed archaeological monitoring of infrastructure repair and upgrade work. SWCA will also be providing cultural and archaeological sensitivity training to Hawaiian Electric staff as needed. <i>Role: Archaeologist. Providing archaeological field support for HECO projects. Cost: \$ 471,204.</i>		
d. Archaeological Resources Survey for the Vickory Solar Project; Stockton, Tooele County, Utah.	2023	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	<input checked="" type="checkbox"/> Check if project performed with current firm	
SWCA conducted a literature review of the 3,959-acre area, identifying previous surveys and cultural resources. An intensive-level (Class III) survey was performed according to School and Institutional Trust Lands Administration (SITLA) and State Historic Preservation Office standards to identify archaeological resources. SWCA documented the findings in a report summarizing resource types, artifacts, features, NRHP eligibility, and project-related effects. The report was reviewed by Invenergy and submitted to SITLA, with spatial data withheld until approved for sharing. <i>Role: Field Director, Data Manager. Led Intensive pedestrian survey, conducted field analysis and documentation, and managed database. Cost: \$100,000.</i>		

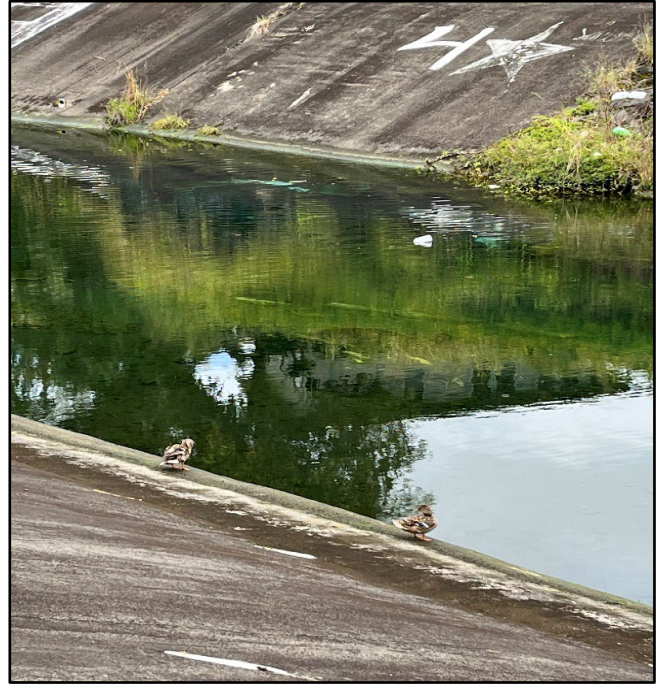
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">1</p>
21. TITLE AND LOCATION <i>(City and State)</i> Wailoa Flood Control Flora and Fauna Survey; Hawai'i Island, Hawai'i		22. YEAR COMPLETED PROFESSIONAL SERVICES 2024 CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
WSP USA, Inc. for County of Hawai'i	Allen Kam	808.566.2204

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

WSP USA Inc. requested that SWCA Environmental Consultants (SWCA) conduct a terrestrial flora and fauna biological resources survey for the Wailoa flood control project. The survey area is within the *ahupua'a* (land division) of Waiākea in the *moku* (district) of South Hilo on the *mokupuni* (island) of Hawai'i. The survey area stretches approximately 1,700 feet and encompasses approximately 6.46 acres (2.26 hectares). SWCA performed a literature review during preparation of the field survey. The purpose of the literature review was to conduct a preliminary desktop habitat assessment to evaluate whether special-status species (or their habitats) and sensitive natural communities are known to occur in the survey area. An SWCA biologist completed a survey of the portion of the Waiākea stream included in the Wailoa Flood Control Channel project area. The survey was conducted on foot and documented all vascular plant species (and their relative abundance), vertebrate (birds, mammals, and amphibians), and macroinvertebrate (gastropods and arthropods) species and vegetation types, within the survey area. SWCA produced a flora and fauna survey summary report, which included relevant avoidance and mitigation measures to reduce or eliminate project-related impacts and to avoid adverse effects on special-status species.



Cost: \$8,796

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. SWCA Environmental Consultants	Honolulu, Hawai'i	Environmental Services Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">2</p>
21. TITLE AND LOCATION <i>(City and State)</i> Hapaiali'i Heiau Repairs Archaeological and Cultural Monitoring; Hawai'i County, Hawai'i	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2020-Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Trustees of the Estate of Bernice Pauahi Bishop dba Kamehameha Schools	Jon Tulchin	808.534.8324

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

At the request of Kamehameha Schools, SWCA provided archaeological and cultural monitoring support for repairs to Hāpaiali'i Heiau (State Inventory of Historic Places number 50-10-37-3817), located in the ahupua'a of Kahalu'u within the district of North Kona on the island of Hawai'i. The traditional religious structure had suffered extensive damage to its retaining walls caused by high surf events and required repair and stabilization to ensure that the heiau maintained its structural integrity. Archaeological monitoring for the proposed repairs was conducted in accordance with an SHPD-approved archaeological monitoring plan. SWCA also provided detailed UAV mapping of the heiau structure both before and after restoration.

Cost: \$100,000



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. SWCA Environmental Consultants	Honolulu, Hawai'i	Environmental Services Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 3
21. TITLE AND LOCATION <i>(City and State)</i> Statewide Noxious Invasive Pest Program (SNIPP); Statewide, Hawai'i		22. YEAR COMPLETED PROFESSIONAL SERVICES 2007-Ongoing CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Hawai'i Department of Transportation Highways	b. POINT OF CONTACT NAME Andrew Hirano	c. POINT OF CONTACT TELEPHONE NUMBER 808.692.7546
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

The program began as a commitment to mitigate the introduction, spread, and impact of invasive species along state highways across the state of Hawai'i. This ambitious, ten-year project seeks to implement best management practices to avoid and minimize impacts to Hawai'i's natural areas by taking a multi-faceted approach that includes preventing the introduction of invasive species, early detection and rapid response, restoration of highway rights-of-way, staff and contractor trainings, and collaboration with other stakeholders. By providing a blueprint for a multi-faceted approach to invasive species management, HDOT Highways Division hopes to inspire other organizations throughout the state to prioritize invasive species management, thereby preserving our natural resources for future generations.



SWCA is working with the Hawai'i Department of Transportation (HDOT) to implement the first five years of the 10-Year HDOT Highways Division SNIPP Strategic Plan. This includes a diverse and tangible array of products toward realizing their vision to bring about positive changes to roadside vegetation maintenance that would make Hawai'i roadsides safer, environmentally friendly, and visually appealing. These deliverables are being accomplished in an efficient and cost-effective manner without compromising HDOT's mission to provide safe and efficient travel ways. SWCA is focusing on five main strategic goals, which include 1) prevention of the spread and establishment of invasive species along highway rights-of-way (ROWs) 2) early detection and rapid response to identify, report, and respond to newly detected species before they become a detriment to highway ROWs 3) control and management of already established species to reduce their harmful impacts along state highways 4) restoration using non-invasive or appropriate native plants on highway ROWs that reduce risk from harmful invasive plants; and 5) community outreach and organizational collaboration with other state agencies, non-profit organizations, and neighboring landowners to ensure long-term solutions for the invasive species problem in Hawai'i. Each of these major strategic goals has specific objectives, implementation tasks, and performance measures to guide the goal achievement process.

Some of the tasks that have been developed and implemented over the years as part of the SNIPP project include: roadside surveys, to identify and map invasive species in each district for a total of 400 miles per year, for a total of five years to date; Highway Manual for Sustainable Landscape Maintenance Training workshops for HDOT roadside maintenance and landscaping staff and contractors held on O'ahu, Maui, Kaua'i, and Hawai'i Island; Maintenance Professional Track Development Training workshops created for highway maintenance supervisory staff and contractors also held on O'ahu, Maui, Kaua'i, and Hawai'i Island; The Ecological Zones and Native Planting List was created as a guide for HDOT landscape architects, engineers, and contractors to facilitate selection of appropriate native Hawaiian plant species for highway ROW projects on Hawai'i Island, Kaua'i, Maui, Moloka'i, Lāna'i, and O'ahu; partnering and collaborating with the Oahu Invasive Species Committee and the Maui Invasive Species Committee on rapid response by conducting invasive species surveys for high priority species; developing educational pamphlets related to invasive species management and distribution to HDOT landscaping vendors throughout the state; developed and published laminated flash cards detailing best management practices (BMPs) on preventing the entry and spread of invasive species for highway maintenance staff.

Cost: \$9,586,608

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. SWCA Environmental Consultants	Honolulu, Hawai'i	Environmental Services Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION <i>(City and State)</i> Post-Fire Support for Queen Emma Lands in Coastal Kawaihae, Hawai'i Island, Hawai'i	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2023- 2025	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Queen Emma Lands	b. POINT OF CONTACT NAME LeeAnn Silva	c. POINT OF CONTACT TELEPHONE NUMBER 808.691.5950
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

In early August of 2023, wildfires burned an approximately 360-acre section of coastal lands within the ahupua'a of Kawaihae 2. As a result of the fire, the high grass that formerly covered the area was burned off, revealing a large number of archaeological features. Queen Emma Land Company (QEL) approached SWCA to determine the best way to document these features while they were still clearly visible. SWCA conducted a UAV survey of the area and used the collected imagery to create a georeferenced orthomosaic map of the entire 360-acre parcel that was then made available online to QEL for use in post-fire recovery, restoration and future planning efforts. SWCA is also providing on-call cultural resources support for the documentation of historic properties damaged during the fire, for monitor of vegetation removal activities, and for other post-fire related activities as needed.



Total Cost: \$52,011

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME SWCA Environmental Consultants	(2) FIRM LOCATION <i>(City and State)</i> Honolulu, Hawai'i	(3) ROLE Environmental Services Consultant
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 5
21. TITLE AND LOCATION <i>(City and State)</i> Hawaii DLNR DOFAW Kanaio Game Management Area; Maui County, Hawai'i	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017-2024	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Hawaii Department of Land and Natural Resources (DOFAW)	b. POINT OF CONTACT NAME Jason Omick	c. POINT OF CONTACT TELEPHONE NUMBER 808.587.4159
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SWCA worked in partnership with the Department of Land and Natural Resources (DLNR) and the Division of Forests and Wildlife (DOFAW) to create a game management plan for the Kanaio region of southern Maui, which is one of the last remaining stretches of lowland dry forest left in the state of Hawai'i. The proposed game management area (GMA) will expand opportunities for public hunting, aid in directing human traffic in the area, and curtail damage from activities such as illegal off-road vehicles, unauthorized cattle grazing, and other human-caused disturbances, degradation, and destruction.

SWCA undertook natural and cultural resource surveys within the 8,000-acre GMA. The project involved conducting detailed cultural and archaeological background research, an archaeological inventory survey, extensive flora and fauna surveys, and home range and population estimates of game animals. The work included pre-consultation with the SHPD and other regulatory partners, archaeological inventory surveys, a cultural impact assessment, and post-project coordination and consultation.

Cost: \$736,190



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME a. SWCA Environmental Consultants	(2) FIRM LOCATION <i>(City and State)</i> Honolulu, Hawaii	(3) ROLE Environmental Services Consultant
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER 6
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21. TITLE AND LOCATION <i>(City and State)</i> Kukuioipa'e Fence Line Archaeological Consulting; Hawai'i County, Hawai'i	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2019-Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER State of Hawaii Department of Land Natural Resources (DLNR)	b. POINT OF CONTACT NAME Emma Yuen	c. POINT OF CONTACT TELEPHONE NUMBER 808.587.4170
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SWCA provided the Hawai'i State Department of Forestry and Wildlife with archaeological consulting services related to the construction of an approximately 7.3-mile ungulate exclusion fence line located in the Kukuioipa'e section of the South Kona Forest Reserve. Archaeological work for this project included consultation with the SHPD, completing an archaeological inventory survey of the fence line corridor, preparing an archaeological inventory survey report, and guiding the project through the historic preservation process.

Cost: \$24,017



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME a. SWCA Environmental Consultants	(2) FIRM LOCATION <i>(City and State)</i> Honolulu, Hawai'i	(3) ROLE Environmental Services Consultant
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F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">7</p>
21. TITLE AND LOCATION <i>(City and State)</i> Pakini Nui Habitat Conservation Plan; Hawaii Island County, Hawai'i		22. YEAR COMPLETED PROFESSIONAL SERVICES: 2014-Ongoing CONSTRUCTION <i>(If applicable)</i> : N/A
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Tawhiri Power LLC	b. POINT OF CONTACT NAME Steven Pace	c. POINT OF CONTACT TELEPHONE NUMBER 650.358.1550
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(Include scope, size, and cost)</i>		

SWCA prepared a state Habitat Conservation Plan (HCP) in support of an application to the Division of Forestry and Wildlife (DOFAW) for an incidental take license for three listed species for Tawhiri Power's 21 MW operational Pakini Nui Wind Farm at South Point on Hawaii Island. A federal HCP and associated NEPA documentation for an application to USFWS for an Endangered Species Act (ESA) Section 10(a) incidental take permit were also completed. In addition to the HCP development, SWCA has led carcass searches, as well as searcher efficiency and carcass retention trials. SWCA's team attends all agency meetings and addresses all HCP comments from USFWS and DOFAW.



Cost: \$2,118,213

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME a. SWCA Environmental Consultants	(2) FIRM LOCATION <i>(City and State)</i> Honolulu, Hawai'i	(3) ROLE Environmental Services Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present no more than 10 projects, with emphasis on previous City projects. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">8</p>
21. TITLE AND LOCATION <i>(City and State)</i> Sand Island Revetment Biological Survey; Honolulu County, Hawai'i	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2017-2020	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER SSFM International, Inc.	b. POINT OF CONTACT NAME <p style="text-align: center;">Jared Chang</p>	c. POINT OF CONTACT TELEPHONE NUMBER <p style="text-align: center;">808.531.1308</p>
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SSFM invited SWCA in 2017 to conduct water quality, Waters of the U.S. and marine and terrestrial flora and fauna surveys for the Hawaii Department of Health, Clean Water Branch's construction improvements and rehabilitation of the Sand Island Wastewater Treatment Plant (WWTP) Ocean Outfall Stop Gate Structure. The project area is located on the southwest point of Sand Island in Honolulu where a 450-foot-long rock revetment will armor the shoreline and prevent further erosion.



SWCA conducted a terrestrial and marine biological survey along the coast and in the water. SWCA supplied a report summarizing findings and potential impacts of the project to the flora, fauna, and aquatic resources known to occur in the project area, as well as recommendations to avoid and minimize impacts to native and State or Federally listed species. SWCA also collected water quality samples and created an Applicable Monitoring and Assessment Program for the project. In addition, SWCA performed a one-day survey to identify and delineate any potentially existing jurisdictional Waters of the U.S. in the project area. The results were summarized in a formal delineation report that the USACE Honolulu district can use to verify the jurisdictional status of the waters and provide baseline information for future permitting.

In 2020, SSFM requested a follow up coral verification survey for the presence/absence of two coral species observed in the project area in 2017. SSFM also requested additional consultation to include best practices and mitigation measures to minimize impacts to the corals found during the follow up survey. SWCA conducted consultation with the Department of Aquatic Resources (DAR) to determine the best ways to mitigate impacts to the corals within the project area. As per the recommendations from DAR, SWCA transplanted all identified corals to a suitable location adjacent to the project area and will be conducting three monitoring trips (one year after transplant, followed by year three, and a final visit on year five) to assess and monitor their conditions.

Total Cost: \$36,437.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME SWCA Environmental Consultants	(2) FIRM LOCATION <i>(City and State)</i> Honolulu, Hawai'i	(3) ROLE Environmental Services Consultant
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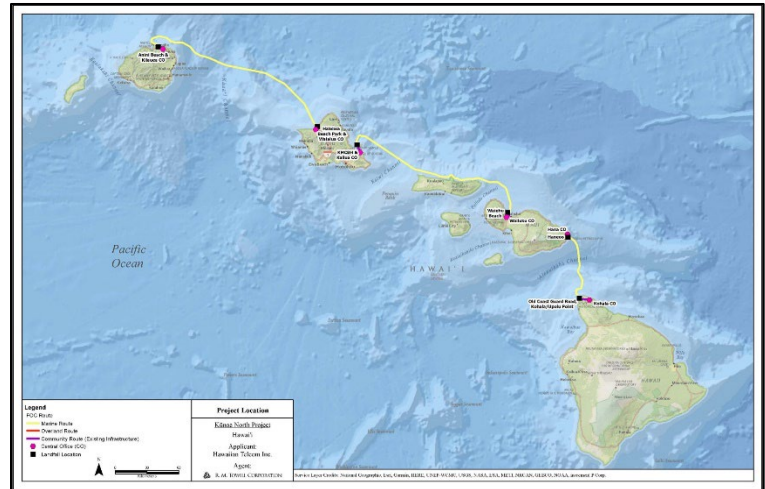
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">9</p>
21. TITLE AND LOCATION <i>(City and State)</i> Kūnoa North (NTIA Middle Mile) Cultural Resources Support; Honolulu City and County, Hawai'i	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2024-Ongoing	CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
R. M. Towill Corporation	Walter Chong	808.842.1133

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SWCA is providing cultural resources consulting services to R.M. Towill Corporation and Hawaiian Telcom Inc. in support of the National Telecommunications and Information Administration (NTIA) Inter-Island Middle Mile (Kūnoa North) submarine fiber optic cable project. The intent of the project is to deliver high-speed broadband internet service to unserved or underserved communities within the state of Hawai'i. The project plans to interconnect the major Hawaiian islands of Kaua'i, O'ahu, Maui, and Hawai'i with a submarine fiber-optic cable.



The investigations conducted by SWCA in support of this project include preparing an archaeological literature review and field inspection report for each of the proposed cable landing sites, the initiation of Hawaii Revised Statutes (HRS), Chapter 6E historic preservation review for these landing sites, and the preparation of Cultural Impact Assessments for each of the proposed cable landing sites to support HRS, Chapter 343, Environmental Assessment documentation. As the NTIA Inter-Island Middle Mile Project has the potential to affect traditional and customary Native Hawaiian rights and practices, the Office of Conservation and Coastal Lands (OCCL) requested the preparation of a Ka Pa'akai Analysis for each site. The Ka Pa'akai Analysis and consultation process is designed to identify and protect Native Hawaiian cultural, historical, and natural resources and help ensure Native Hawaiian customary and traditional rights. In addition, SWCA will provide National Historic Preservation Act, Section 106 Consultation support (based on the use of a federal grant from the NTIA), which will include a request for consultation documentation, Area of Potential Effects determination, and identification of Native Hawaiian Organizations for consultation.

Cost: \$664,516

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. SWCA Environmental Consultants	Honolulu, Hawai'i	Environmental Services Consultant

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">10</p>
21. TITLE AND LOCATION <i>(City and State)</i> Kaua'i County Multi-Hazard Mitigation and Resilience Plan Update; Kaua'i County, Hawai'i		22. YEAR COMPLETED PROFESSIONAL SERVICES 2024-Ongoing CONSTRUCTION <i>(If applicable)</i> N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER County of Kaua'i	b. POINT OF CONTACT NAME David Kennard	c. POINT OF CONTACT TELEPHONE NUMBER 808.241.4992
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

SWCA is providing support to Kaua'i County to update the Multi-Hazard Mitigation and Resilience Plan (MHMRP), ensuring compliance with 44 CFR 201.6. SWCA is working alongside the County, while collaborating with the Core Planning Team, and the Steering Committee to review and revise the HMP, while also incorporating feedback from the local community and other stakeholders. The project involves a comprehensive planning process to update the hazard profiles, vulnerability assessment, mitigation strategy, and plan maintenance. The goal is to ensure the MHMRP meets current standards, integrates the latest data, and effectively addresses the County's hazard mitigation goals. The planning process is designed with an emphasis on climate resilience and outreach to socially vulnerable populations. Final approval is anticipated for Spring 2026.



Cost: \$123,190

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a. SWCA Environmental Consultants	Honolulu, Hawai'i	Environmental Services Consultant

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Amanda Ehrenkrantz	Director of Pacific Islands Offices			X		X		X			X
Richard Pender	Natural Resources Team Lead			X							
Danielle Frohlich	Lead Botanist			X		X			X		
Francis Quitazol	Project Manager	X		X		X		X	X		
Lilly Stoilova	Project Manager	X	X	X	X	X	X	X	X		X
Adam Radford	Associate Project Manager			X				X			X
Alex Lau	Assistant Project Biologist			X		X					
Miranda Foley	Associate Project Environmental Scientist			X		X					
Julie Gaertner	Project Geospatial Scientist	X		X		X		X	X	X	
Sarah Halpern	Assistant Project Geospatial Scientist		X	X	X	X	X	X	X	X	
Brittany Sahatjian	Lead Environmental Planner										
Luis Aguilar	Principal Wetland Scientist										
Rowland Reeve	Principal Archaeologist			X	X	X	X	X		X	
Ryan Gross	Project Manager		X	X	X					X	
Wainani Traub	Associate Project Anthropologist		X		X						
Tamara Luthy	Assistant Project Anthropologist				X						
Hattie Gerrish	Assistant Project Anthropologist		X		X	X	X			X	
Genevieve Glennon	Assistant Project Historian									X	
Susan Zamudio-Gurrola	Lead Architectural Historian										
Julie Kramer	Associate Project Archaeologist										

29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)	NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)
1	Wailoa Flood Control Flora and Fauna Survey	6	Kukuiope'e Fence Line Archaeological Consulting
2	Hapaiali'i Heiau Repairs Archaeological and Cultural Monitoring	7	Pakini Nui Habitat Conservation Plan
3	Statewide Noxious Invasive Pest Program (SNIPP)	8	Sand Island Revetment Biological Survey
4	Post-Fire Support for Queen Emma Lands in Coastal Kawaihae	9	Kūnoa North (NTIA Middle Mile) Cultural Resources Support
5	Hawaii DLNR DOFAW Kanaio Game Management Area	10	Kaua'i County Multi-Hazard Mitigation and Resilience Plan Update

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

The following pages include the SWCA Pacific Islands Statement of Qualifications brochure.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE



32. DATE

05/15/2025

33. NAME AND TITLE

Amanda Ehrenkrantz; Director Pacific Islands Offices



PACIFIC ISLANDS

STATEMENT OF QUALIFICATIONS

22

YEARS IN
HAWAII

44

YEARS OF
EXPERIENCE

1.7k

EMPLOYEES
COMPANYWIDE

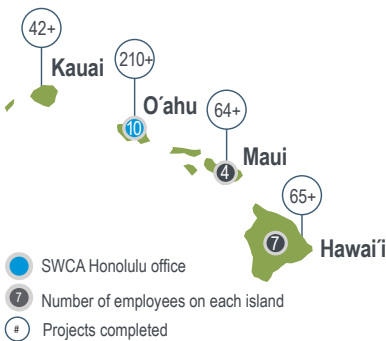
Why Choose SWCA?

We are the problem solvers. We are the scientists, the planners, the technical specialists, and the creative thinkers.

Since 1981, SWCA has helped public and private clients overcome environmental challenges and move their projects forward. Our 100% employee-owned firm offers comprehensive environmental planning, regulatory compliance, and natural and cultural resource management services. We work together to understand the full life cycle of any project, from inception to completion.

In the face of rapid environmental, economic, and societal changes, our purpose is simple: to preserve natural and cultural resources for tomorrow while enabling projects that benefit people today. We do that by offering a suite of environmental consulting services combined with local knowledge, regulatory expertise, and high-quality service. We build long-term, trusting relationships with our clients and guide their projects to successful completion.

Our Pacific Islands Presence



SWCA **Hawai'i** first opened its doors in June 2003. Over the last 22 years, our team of highly qualified natural and cultural resource specialists have worked throughout the Pacific Islands Region to support our clients with a wide range of ecological, cultural, archaeological, and environmental planning services, including surveys, agency consultations, habitat conservation planning, construction monitoring, cultural impact assessment and archaeological inventory surveys, canine searches, and preparation of environmental assessments (EAs) and environmental impact statements (EISs).

Our technical capabilities are further supported by highly experienced project managers and regulatory experts, an integrated quality assurance/quality control (QA/QC) process, a well-developed geographic information system (GIS) program, advanced technology including unmanned aerial systems (drones), and technical editors with an attention to detail that leads to high-quality technical documents, requiring no rework.

SWCA Cares

We provide valuable environmental consulting services to our clients while complying with the requirements of Occupational Safety and Health Administration (OSHA) standards and regulations, other federal requirements, state requirements, and client-specific requirements. To ensure safe field practices, SWCA utilizes technology such as the SiREN app, which is designed to streamline incident reporting and emergency notifications, and the SPOT Gen3, which is a global positioning system (GPS) device that acts as personal locator for safety check-ins, help requests, and emergency situations.



A RECORD OF SAFETY

- Four National Safety Council (NSC) Milestone Awards for over 3.5 million hours without lost work
- NSC Perfect Record Award
- NSC Million Hours Worked Award

Contact Us



• **Amanda Ehrenkrantz, Office Director, Pacific Islands** | aehrenkrantz@swca.com | 808.548.7922
Heather Gibson, Vice President, Southern California/Pacific Islands | hgibson@swca.com | 626.240.0587

*Celebrating **22** years
of doing business in the Pacific Islands.*

SWCA SERVICES

ENVIRONMENTAL PLANNING & PERMITTING

- NEPA (EISs, EAs, categorical exclusions, critical issues analyses) and HRS Chapter 343 compliance
- Habitat conservation plans for incidental take permits and incidental take licenses
- Comprehensive conservation plans
- Essential fish habitat assessments

CULTURAL RESOURCES

- Cultural impact assessments
- Archaeological inventory surveys, testing, and data recovery excavation
- Historic built environment resource surveys and evaluations
- Compliance with Hawai'i Revised Statutes, Hawai'i Administrative Rules, National Historic Preservation Act, and Native American Graves Protection and Repatriation Act
- Consultation with native Hawaiian organizations

GEOSPATIAL AND INFORMATION TECHNOLOGIES

- Database development
- GIS-based web mapping
- GPS field data collection and post-processing
- Spatial analysis and 3D modeling
- Mobile and web application development
- Federal Aviation Administration (FAA) certified drone pilot

ENVIRONMENTAL COMPLIANCE

- Environmental inspections and monitoring
- Environmental compliance training and reporting
- National Pollutant Discharge Elimination System (NPDES)/stormwater pollution prevention plan (SWPPP) monitoring and reporting
- Habitat restoration plans

ECOLOGICAL RESTORATION

- Stream design and restoration
- Mitigation and conservation banking
- Mitigation feasibility assessment
- Wetland and stream delineation
- Clean Water Act Section 404 permitting/mitigation
- Permittee responsible mitigation planning and implementation

NATURAL RESOURCES

- Botanical and wildlife surveys (including avian and bat)
- Endangered species surveys
- Endangered Species Act (ESA) Section 10(a) permits and Section 7 consultations
- Biological constraints analysis
- Restoration ecology
- Safe harbor agreements

WATER RESOURCES

- Wetland and jurisdictional waters determinations and delineations
- Functional assessments
- Clean Water Act permitting
- Aquatic surveys and monitoring
- Water quality inventory and monitoring
- Wetland and stream restoration
- Mitigation design

HEPA / NEPA COMPLIANCE

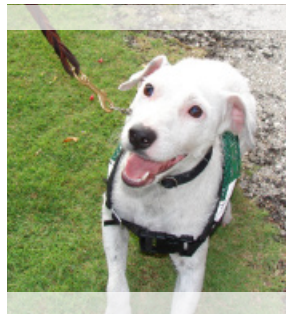
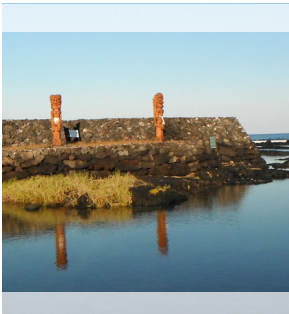
- EAs/EISs
- Categorical exclusions
- Public involvement and outreach
- Land use and recreation plans
- Implementation plans
- Water resource management plans
- Siting and feasibility studies
- Mitigation Monitoring and Reporting Program (MMRP) mitigation monitoring

CANINE SEARCHES

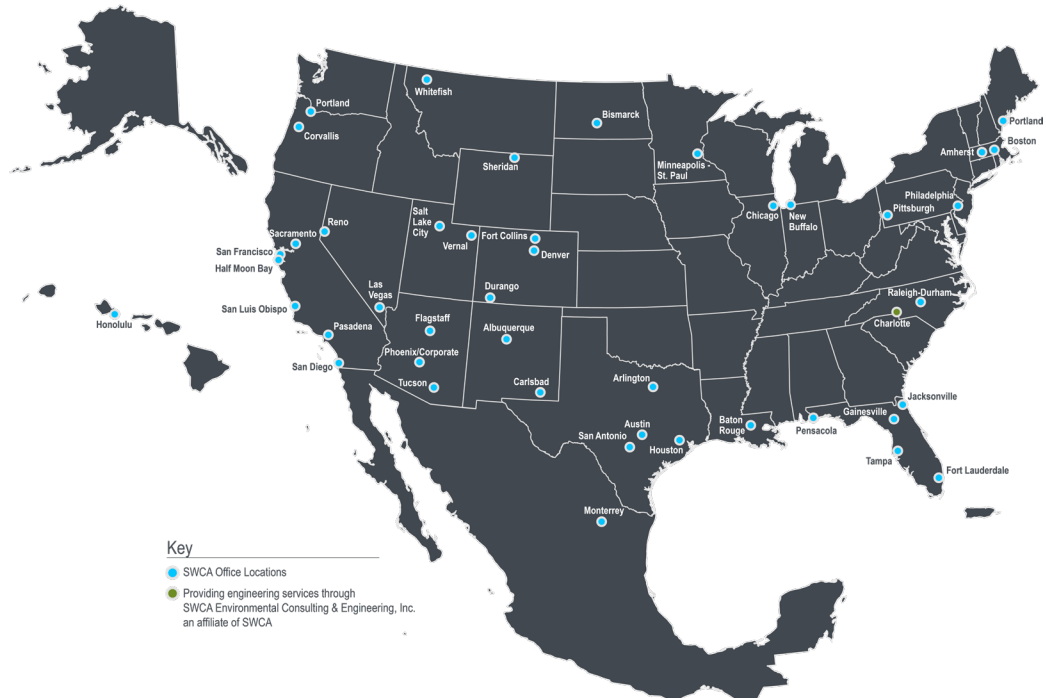
- Canine human-handler search teams to conduct post construction carcass searches
- More effective than human searchers by approximately 38%
- Faster results, approximately 66% faster than human searchers
- Access to difficult terrain and thick vegetation

INVASIVE SPECIES

- Surveying, identifying, and mapping invasive species infestations
- Developing and implementing management plans, including prevention best management practices and control programs
- Control work
- Training for organizations on proper weed control and best practices for avoiding the spread of invasive species



OFFICE LOCATIONS



We've grown over the last four decades, expanding our staff and services, but we still have the same mission. We know the environment, because environmental consulting is all we do. Headquartered in Phoenix, Arizona, with offices throughout the United States and Mexico, we offer local expertise but can rapidly pool resources in order to serve clients globally.

What can we do for You?

Let us be your environmental partner. SWCA provides a full spectrum of environmental services focused on planning, natural and cultural resource management, air quality, permitting, regulatory compliance, and water resources and climate change consulting. We are an employee-owned firm of scientists, planners, and technical specialists who combine scientific expertise with in-depth knowledge of permitting and compliance protocols to achieve technically sound, cost-effective solutions for our clients. SWCA serves clients from a wide variety of industries and levels of government. Working in both the public and private sectors, we provide services for:

- *Government*
- *Land Development*
- *Power Generation*
- *Transmission*
- *Transportation*
- *Water*

KEY CONTACT

04/25

PACIFIC ISLANDS | Amanda Ehrenkrantz, Office Director | aehrenkrantz@swca.com | 808.548.7922
SOUTHERN CALIFORNIA / PACIFIC ISLANDS | Heather Gibson, Vice President | hjgibson@swca.com | 626.240.0587

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ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.[®]

HONOLULU OFFICE
1200 Ala Moana Boulevard #380
Honolulu, HI 96814

808.548.7922 | 800.828.8517 toll free
www.swca.com

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME SWCA Environmental Consultants, Honolulu			3. YEAR ESTABLISHED 2003	4. UNIQUE ENTITY IDENTIFIER KJ64MREJDNL1
2b. STREET 1200 Ala Moana Blvd., #380			5. OWNERSHIP	
2c. CITY Honolulu			2d. STATE HI	2e. ZIP CODE 96814
6a. POINT OF CONTACT NAME AND TITLE Amanda Ehrenkrantz, Office Leadership			a. TYPE Corporation	
6b. TELEPHONE NUMBER 808.548.7922			6c. E-MAIL ADDRESS aehrenkrantz@swca.com	
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
			b. SMALL BUSINESS STATUS No	
			7. NAME OF FIRM (If Block 2a is a Branch Office) SWCA Environmental Consultants	

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative/Non-technical	275	0	A04	Air Pollution Control	0
	Air Quality Scientist	12	0		Climate Change and Sustainability Services	1
05	Archaeologist	422	8	C14	Conservation and Resource Management	3
07	Biologist	355	4	E01	Ecological & Archeological Investigations	5
	Botanist	14	3	E10	Environmental and Natural Resource Mapping	0
	Civil Engineer	27	0		Environmental Compliance Training	0
	Ecologist	21	0	09	Environmental Impact Studies, Assessments or Statements	1
	Environmental Engineer	28	0			
	Environmental Inspector	52	1	E11	Environmental Planning	2
24	Environmental Scientist	186	6	E12	Environmental Remediation	0
30	Geologist	14	0	G04	Geographic Information System Services: Development, Analysis, and Data Collection	1
29	GIS Specialist	74	2			
	Historian	22	0	H08	Historical Preservation	1
34	Hydrologist	6	0	L03	Landscape Architecture	0
	Land Surveyor	7	0		Paleontology	0
39	Landscape Architect	8	0	S05	Soils and Geologic Studies, Foundations	0
	Ornithologist	11	0	S13	Stormwater	0
	Paleontologist	14	0	W02	Water Resources; Hydrology; Ground Water	1
47	Planner: Urban/Regional	82	0		Wildfire Management	0
	Technical Editor/Writer	32	0			
	Wetlands Expert	26	0			
Total		1688	24			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS
(Insert revenue index number shown at right)


PROFESSIONAL SERVICES REVENUE INDEX NUMBER

- | | |
|---|---|
| 1. Less than \$100,000 | 6. \$2 million to less than \$5 million |
| 2. \$100,000 to less than \$250,000 | 7. \$5 million to less than \$10 million |
| 3. \$250,000 to less than \$500,000 | 8. \$10 million to less than \$25 million |
| 4. \$500,000 to less than \$1 million | 9. \$25 million to less than \$50 million |
| 5. \$1 million to less than \$2 million | 10. \$50 million or greater |

a. Federal Work	3
b. Non-Federal	6
c. Total Work	6

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 2/14/2025
---	----------------------

c. NAME AND TITLE
Amanda Ehrenkrantz, Office Leadership