CHNEP Conservation Grant Application FY2023

Instructions: The CHNEP provides Conservation Grants to support portions of larger projects that implement our Comprehensive Conservation and Management Plan (CCMP). We require at least a 50% match of our funds. Preference will be given to projects in communities that have been historically underserved by CHNEP grants. Please read the following restrictions carefully. The CHNEP does **NOT** fund:

- Events or services for which there is an admission fee or charge; CHNEP will consider providing support for scholarships to allow participation by those who would not otherwise be able to;
- Restoration or improvements on private property;
- Projects that personally benefit the applicant;
- Political action or legislative advocacy;
- Fundraising activities;
- Projects completed prior to the award of the grant;
- Items that will be sold by the grant recipient;
- Reprinting of existing material unless part of a larger educational program, or;
- Capital improvement or endowment funds, or usual operating costs.
- Conference registrations and travel

We encourage requests for funding in the $500 to $3,000 range. This is a cost reimbursement grant. Please note: only one award per organization/activity/project will be granted per year. Projects should conclude by Sept. 30, 2023 if possible. For Fiscal Year 2023 (October 1, 2022 through September 30, 2023) $30,000 has been reserved for Conservation Grants.

Once your application is received, it will be evaluated based on the information provided. We will notify you by e-mail about the status of your application. Conservation Grant funds are awarded three times per year:

Summer Deadline is August 1, 2022 for October 2022 award notice
Winter Deadline is December 1, 2022 for February 2023 award notice
Spring Deadline is April 1, 2023 for June 2023 award notice

The application allows you to tell us about your project. Please complete all fields for the application to be evaluated for funding. If a field does not apply to you or your organization, please type in "NA".

Contact Information

Project Title	The Economic Value of Tarpon Fisheries in Florida
Short Description of Project (2-3 sentences)	The proposed project would measure the economic benefit of Tarpon fisheries in Florida. More specifically, survey and experimental research methods would be developed to estimate the economic value of Tarpon fishing trips in SW Florida.
Name and Title	Julian Hwang, Owner/President
Street Address	9393 Pecan Tree Drive
City, ST, ZIP Code	Baton Rouge, LA 70810
Phone	662-312-0309
E-Mail Address	julian.j.hwang@gmail.com
Organization Name	Equilibreaux LLC
Web address	N/A
Amount requested	$3,000
Total Cost of Project	$48,500
Name of Entity that will accept Grant	Equilibreaux LLC

reimbursement (W-9 form is required)	

Critical questions

I agree to complete the project and submit the final report by September 30, 2023: X Yes ___ No
Has the CHNEP provided financial support to you or your organization in the past 5 years?
___ Yes (please describe below) X No

Date	Project Description	Award Amount

Link to CHNEP Comprehensive Conservation and Management Plan (CCMP)

Check **ALL** the appropriate descriptions of how the project benefits the CHNEP in efforts to further the CCMP. You are welcome to add project benefits.

___ Maintain or improve water quality
___ Protect, enhance, or restore native habitat
X Increase conservation, preservation, or stewardship of lands or waters
___ Support public involvement in watershed management
X Provide opportunities for citizen participation in research, monitoring, or restoration
___ Produce watershed and estuary communication tools
___ Implement conservation landscaping or home best management practices
___ Educate children and adults about estuary stewardship
___ Target community(ies) historically underserved by CHNEP Micro-grants
___ Other (please state) _____

Geographic Area (check all that apply)

X Dona & Roberts Bay
X Myakka River
X Lemon Bay
X Peace River
X Charlotte Harbor
X Pine Island Sound
X Caloosahatchee River
X Estero Bay

Attachments

Please attach a one-page resume for the project leader.

Optional (but helpful): Project Timeline

12 months

Project description

Describe the project. If it is an event, include location and date. Provide information on the: **who, what, how**, **where** and **when** of the project. Feel free to attach pages, if necessary.

Please see attached proposal draft.

Project products (outputs/deliverables)

Briefly describe the final product of the project such as: a written report, a workshop, an event, a pamphlet, an interpretative placard, etc. Feel free to attach pages, if necessary.

- Survey design
- Survey administration (texting survey link, making phone calls, creating and tracking sample ID, etc.)
- Data collection (survey data, additional environmental data if available)
- Data preparation (calculate distance from home/lodging to boat launching site, distance from boat launching site to fishing site, distance to substitute sites, construct travel cost variable, data cleaning, etc.)
- Data analysis
- Final report
- Peer-reviewed journal article(s)
- Outreach, engagement, and media interviews (if requested)

Project results (outcome)

Briefly describe the project expected result(s), such as: "students will understand how stormwater ponds work, more than 3,000 people each year will visit the site and learn how to garden with native plants, 35 people will understand how their landscape impacts water quality," etc. Feel free to attach pages, if necessary.

Fisheries managers, policymakers, and stakeholders will understand the economic value of Tarpon fisheries.

Detailed Budget

	CHNEP		Match		Total Budget
Salaries	$_____	+	$_____	=	$_____
Materials/Supplies	$3,000	+	$1,500	=	$4,500
Travel	$_____	+	$_____	=	$_____
Subcontractors	$_____	+	$_____	=	$_____
Other Costs	$_____	+	$_____	=	$_____
TOTAL	$3,000	+	$1,500	=	$4,500

Itemize how the total budget for salaries, materials/supplies, travel and subcontractors (above) will be spent.

Salaries: Itemize the hours estimated to be worked by each person and the full cost (salary, fringe and indirect rate.)

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Materials / Supplies: Itemize each item to be purchased and the cost.

Item(s) purchased gift cards for data collection for $$4,500

Item(s) purchased _____ for $_____

Item(s) purchased _____ for $_____

Travel: Reimbursement for mileage is limited to $0.405/mile. The grant funds cannot be used for meals.

Miles traveled: _____ X 0.405 = Total Travel costs_____

Subcontractor(s): Itemize the work to be performed by each subcontractor.

Subcontractor: _____ Work performed: _____ Cost: _____

Subcontractor: _____ Work performed: _____ Cost: _____

Other Costs:

Work performed: _____ Cost: _____

Vendor: _____ Service Purchased: _____ Cost: _____

Vendor: _____ Service Purchased: _____ Cost: _____

Be sure to explain in the narrative what expenses the CHNEP is being asked to support.

Other Project support (volunteers, other sources of funds)

Briefly describe other support (cash, in-kind, volunteers) already committed to assist with the project.

$20,000 from the Lucas Institute for Real Estate Development & Finance, Florida Gulf Coast University

Agreement and Signature

By submitting this application, I affirm that the facts set forth in it are true and complete.

Name (printed)	Julian Hwang
Signature	
Date	6/15/2022

Thank you for completing the CHNEP Conservation Grant application!

Now, save a copy for your records, and attach a copy of your application to an email and send it to: grants@chnep.org CHNEP staff will review and notify you of the status of your application. Funding will be awarded based on the information you have provided and the funds available.

The Economic Value of Tarpon Fisheries in Florida

Research Proposal to the Lucas Institute for Real Estate Development & Finance

By
Julian J. Hwang, Ph.D.
Equilibreaux LLC
9393 Pecan Tree Drive
Baton Rouge, LA 70810
Julian.j.hwang@gmail.com
662-312-0309

Tarpon Background

Tarpon are primarily found in shallow coastal waters and estuaries, but they are also found in open marine waters, around coral reefs, and in some freshwater lakes and rivers.

Due to its majestic appearance of size and color, the Tarpon is nicknamed "silver king."

Because of its strength, stamina, and fighting ability, the Tarpon is one of Florida's premier game fish. The only fish that can compete is a blue marlin. The big difference between the two is that someone can spend weeks and thousands of dollars to catch one marlin while trolling.

Tarpon have a swim bladder which acts as a lung so they can breathe raw air. This is one reason why they can battle for so long because of the amount of oxygen they are able to take in throughout the fight.

Tarpon fishing is more exciting, site casting to schooling Tarpon, while marlin fishing requires hours of trolling.

Tarpon Regulation

Tarpon over 40 inches MUST remain in the water unless a tag is used.

Keep Tarpon, especially the gills, in as much water as is safely possible.

Tarpon can only be fished recreationally in Florida. The majority of recreational anglers practice catch and release since the fish is not considered to be of any food value. One Tarpon tag per person per year may be purchased when in pursuit of a Florida state or world record.

Do not target from bridges or piers - Releasing Tarpon from bridges or piers requires specialized lifting gear or cutting the line, which leaves long amounts of line trailing behind the fish.

Proposed Research

The proposed research would measure the economic benefit of Tarpon fisheries in Florida. There are three approaches to accomplish this research.

Approach 1. One-time license holder survey

Equilibreaux, LLC will contact the Florida Fish and Wildlife Conservation and inquire license holder contact information for the following license types:

a. Saltwater fishing license
   - Resident Annual: $17.00
   - Resident Five-Year: $79.00
   - Non-Resident Annual: $47.00
   - Non-Resident 3-Day: $17.00
   - Non-Resident 7-Day: $30.00

b. Fishing and hunting combo
   - Annual Resident Saltwater Fishing|Freshwater Fishing Combination $32.50
   - Annual Resident Saltwater Fishing|Freshwater Fishing|Hunting Combination $48.00

c. Gold sportsman's license
   - Annual Resident Gold Sportsman's License: $100.00
   - Five-Year Resident Gold Sportsman's License: $494.00

Random sampling technique will be used to identify the sample for the study. An online survey will be designed using Qualtrics.

There are two versions of the survey.

Version 1. Single-Site Model

The economic benefit of Tarpon fishing trips will be estimated by using the single-site travel cost method. Travel cost method (TCM) applies the demand theory in economics to the demand for recreational activities such that the travel cost to visit a recreation site represents the price paid by the consumer/resource user. Consumers/resource users who live farther away from the site that provides recreational opportunities spend more money to get to the site hence, take fewer trips compared to those who live closer to the site. The survey will focus on Tarpon fishing trips in the SW Florida and collect information about Tarpon trips made in the past 12 months. The travel cost variables for the site of interest and substitute sites will be carefully constructed based on distance measures and vehicle operation costs.

$$\ln(\lambda_i) = \beta_{tci} tc_{sw,i} + \boldsymbol{\beta}' \mathbf{tc_{sub,i}} + \boldsymbol{\beta}' \mathbf{x_i} + u_i$$

where λ_i is the expected demand of angler i for Tarpon fishing trips, $tc_{sw,i}$ is the travel cost, $\mathbf{tc_{sub,i}}$ is a vector of travel costs to substitute sites, and $\mathbf{x_i}$ is other individual-specific characteristics. The economic benefit of trips will be measured by estimating the demand equation.

Version 2. Multiple-Site Model

Random sampling technique will be used to identify the sample for the study. An online survey will be designed using Qualtrics. The economic benefit of Tarpon fishing trips will be estimated by using the Random Utility Model (RUM). RUM states that an individual chooses an alternative that yields the highest utility amongst a set of alternatives. The state of Florida will be divided into 8 regions;

Each region has unique attributes that affect an angler's choice to go fishing for Tarpon such as distance and abundance of the fish. Additional environmental quality data such as weather and frequency of harmful algal blooms will be incorporated for the analysis depending on availability. The survey will collect information regarding the latest Tarpon fishing trip. The economic value will be measured by estimating the model;

$$\mathbf{U_{ij}} = \boldsymbol{\beta}'\mathbf{x_{ij}} + \boldsymbol{\beta}'\mathbf{tc_{ij}} + \boldsymbol{\beta}'\mathbf{z_i} + u_i$$

where $\mathbf{U_{ij}}$ is the utility of an anger i when choosing a site j, $\mathbf{x_i}$ is the vector of site attributes, $\mathbf{tc_{ij}}$ is the vector of the travel costs, and $\mathbf{z_i}$ is the vector of individual-specific characteristics. Economic values of Tarpon fisheries for each region will be calculated by estimating the utility equation.

Note: Both Versions will also include two stated preference methods: contingent behavior and choice experiment.

Approach 2. Charter survey

For Tarpon fishing, a fishing license is not required if one fishes from a for-hire vessel. Therefore, the license holder survey omits a small portion of the population. To account for the limitation, a charter survey will be developed. Charter captains in the SW Florida will be contacted and asked to collect their customer contact information during the "Tarpon season" throughout the summer, 2022. Once the season is over, Version 1 in Approach 1 – Single-site TCM survey will be administered with an additional instrument to estimate the number of Tarpon anglers who do not have a license.

Deliverables

- Survey design
- Survey administration (texting survey link, making phone calls, creating and tracking sample ID, etc.)
- Data collection (survey data, additional environmental data if available)
- Data preparation (calculate distance from home/lodging to boat launching site, distance from boat launching site to fishing site, distance to substitute sites, construct travel cost variable, data cleaning, etc.)
- Data analysis
- Final report
- Peer-reviewed journal article(s)
- Outreach, engagement, and media interviews (if requested)

The expected timeline for the project is 12 months.

Budget

Item		
Data collection	Cost	Description
Approach 1 - Single-site TCM	$2,500	$5 per sample (Target sample size = 500)
Approach 1 - RUM	$2,500	$5 per sample (Target sample size = 500)
Approach 3 - Charter	$0	
Data collection Total	$5,000	
Salary		
Julian Hwang	$20,000	0.2 FTE * $100,000
Research Assistant	$15,500	
Travel	$3,000	
Total	$48,500	

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The application allows you to tell us about your project. Please complete all fields for the application to be evaluated for funding. If a field does not apply to you or your organization, please type in "NA".

Contact Information

Project Title	Funding Request to support monthly water quality testing of the Manchester Waterway
Short Description of Project (2-3 sentences)	For the past 24 months our association has been collecting water quality samples, taking them to a lab for testing, and maintaining a database of the results. Sampling protocols have been approved by Brandon Moody, Charlotte County Water Quality Manager and he has requested the samples continue to be collected and analyzd monthly. All of this at our association's expense.
Name and Title	MANCHESTER WATERWAY CIVIC ASSOCIATION
Street Address	PO BOX 380156
City, ST, ZIP Code	MURDOCK, FLORIDA 33948
Phone	317-997-5267
E-Mail Address	manchesterwaterwaycivica@gmail.com
Organization Name	Manchester Waterway Civic Association
Web address	https://manchesterwaterway.org/
Amount requested	$3,000
Total Cost of Project	$6,000
Name of Entity that will accept Grant reimbursement (W-9	Manchester Waterway Civic Association

Project description

Describe the project. If it is an event, include location and date. Provide information on the: **who, what**, **how**, **where** and **when** of the project. Feel free to attach pages, if necessary.

The potential for negative water quality impacts within Charlotte Harbor have been identified as a regional concern. As stewards of the Manchester Waterway, we monitor the quality of the water inside the waterway by having a volunteer member of our association collect samples at several different locations, deliver those samples to a lab, have the samples tested for contamination, and maintain a database of the results. Our volunteer is coordinating the sampling protocol with Brandon Moody, Charlotte County Water Quality Manager, so it is consistent with the county's needs. By doing monthly water quality tests we be assured that the water remains clean and unimpaired. The Charlotte County Commissioners are aware of our monthly testing program and are fully supportive of our efforts.

This request is to help us defray the cost for fuel for the boat and the expense associated with collecting the samples, delivering them to the lab, obtaining results from the lab, and maintaining a database of the results by a volunteer member of our association,

Project products (outputs/deliverables)

Briefly describe the final product of the project such as: a written report, a workshop, an event, a pamphlet, an interpretative placard, etc. Feel free to attach pages, if necessary.

We will provide a written report at the end of September.

It should be noted that CHNEP provided a $3,000 grant to our association last year but due to unforseen circumstances, the association incurred about $1,500 in reimbursements from CHNEP. So, at the minimum we would request the remaining $1,500 in grant money for the upcoming period.

Project results (outcome)

Briefly describe the project expected result(s), such as: "students will understand how stormwater ponds work, more than 3,000 people each year will visit the site and learn how to garden with native plants, 35 people will understand how their landscape impacts water quality," etc. Feel free to attach pages, if necessary.

The purpose and end result will be to achieve quantifiable data on the quality of water flowing in the Manchester Waterway and eventually into the Myaka River and into Charlotte Harbor.
by doing so, we can insure the quality of our water and protect the estuary which benefits the environment, the fishery, and all boating and kayaking enthsiasts.

Other Project support (volunteers, other sources of funds)

Briefly describe other support (cash, in-kind, volunteers) already committed to assist with the project.

The Manchester Waterway Civic Association is an all volunteer charitable organization. Everything we do in the association is on a volunteer basis and the use of member's private watercraft. We also conduct anual cleanup events to remove liter and other debris from the waterway all entirely at the association's expense.

Agreement and Signature

By submitting this application, I affirm that the facts set forth in it are true and complete.

Name (printed)	Jeffrey Anlauf
Signature	
Date	5/11/2022

Thank you for completing the CHNEP Conservation Grant application!

Now, save a copy for your records, and attach a copy of your application to an email and send it to: grants@chnep.org CHNEP staff will review and notify you of the status of your application. Funding will be awarded based on the information you have provided and the funds available.

CHNEP Conservation Grant 2021 – Suncoast Waterkeeper supplement

Project description

The Suncoast Waterkeeper seeks to continue engagement with the public, promoting recreational use and aesthetic appreciation of our waterways and natural resources to engender a spirit of conservation and appreciation for our coastal waters. We also will continue to engage municipalities, state and federal governments and their agencies to serve the interests of the public and protect our waterways.

To accomplish these goals, we have been conducting weekly sampling for enterococci at various sites in Manatee County and along Sarasota Bay. With funding from a CHNEP conservation grant in 2020, we have expanded this program to include sampling within areas covered by the CHNEP. We are seeking funds to continue the monitoring of these sites within the Charlotte Estuary jurisdiction. This funding will help us to improve and expand this initiative within additional areas covered by the CHNEP.

County health departments and other municipal and research institute partners perform limited water quality testing for enterococci and E. coli, as well as a range of other parameters. We believe there is a gap in bacteriological monitoring data provided at a weekly interval for popular recreational waterways, a need for improved public outreach to share this information, and a need for additional investigational resources for source tracking.

This program will continue to engage and educate the public on water quality issues by making data and information easily accessible to people via social media, text alerts, and press releases as well as by recruiting and training citizen science volunteers for sampling. We will continue to engage recreationists like kiteboarders and stand-up paddleboarders, to fishers and boaters as well as the general public on issues revolving around stormwater and wastewater management, and how these issues can affect their health and the health of the ecosystems of the bay. We will continue using data indicating persistent degraded water quality to generate press releases and engage with government and other stakeholders to improve water quality and mitigate public health and environmental health risks.

Suncoast Waterkeeper will continue to conduct water quality monitoring for bacteria to fill in monitoring gaps at many of the region's most popular recreational areas. With funding from CHNEP and matching funds we will expand our monitoring locations, sampling in a timely manner to ensure that lab results are received and communicated in a timely manner.

The funding requested would allow us to continue to operate this water quality monitoring program through the summer months. We will seek additional funding sources to allow for year-round monitoring, source tracking, potential nutrient monitoring and increased volunteer engagement.

Opportunities for Partnerships and Quality Results

Suncoast Waterkeeper plans to work with environmental organizations such as the Ocean Conservancy, Environment Florida, Hands Across the Water, Sierra, Surfrider Foundation and others in order to help recruit volunteers and assist us in getting the word out about the program. We are also pursuing research partnerships with educational institutions including New College and USF.

We recognize how important it is to ensure that any water quality data that we share meets the absolute highest standards when it comes to scientific integrity and quality assurance. We are currently using the guidance offered by the Florida Department of Environmental Protection to ensure that sampling will be conducted via their standard operating procedures (SOPs) and analyses are currently performed by the NELAP Accredited lab, Benchmark Environmental Analytics in Palmetto, Florida. Our collaborations with USF and New College will build on these protocols.

Suncoast Waterkeeper seeks to establish itself as an organization that combines sound science and policy work to ensure fishable, swimmable, and drinkable water throughout the region, including the CHNEP area. Our data is to be of a quality to be utilized by US EPA's Water Quality Exchange (WQX) and STORET, as well as local governments throughout the region to augment their own water quality data with regards to bacteriological monitoring. We're eager and excited to work with local, regional, state, and federal partners in safeguarding our natural heritage and ensuring fishable, swimmable, drinkable water for all.

Key Project Participants

Alex Caruso, Water Sampling Specialist – Suncoast Waterkeeper: Alex has worked with the Suncoast Waterkeeper since September 2020. He assists with the development of the water quality monitoring program, conducts sampling for enterococci at various sites and assists with the development of investigative plans to monitor spills and leaks. He is responsible for writing press releases to communicate water quality results to municipalities and local Department of Health officials. He also maintains social media pages with weekly information using sample results from Benchmark Enviroanalytical Laboratory.

Alison Albee, Board Member - Suncoast Waterkeeper: Alison's career has spanned more than 30 years in the environmental field working in private industry, non-profit research, and city and county governments. Her experience includes wastewater treatment and environmental laboratory management, energy and water conservation, and sustainability. She has a degree in Chemical Technology and a degree in Environmental Science and Policy from the University of South Florida. Alison helps develop protocols and sampling methodologies and the structure of the projects outreach and education component.

Amber Whittle, Technical Advisor – Suncoast Waterkeeper: Amber has a BS in Biology from the University of Florida and a PhD in Zoology from the University of Hawaii. Amber will assist in

further development of the water quality monitoring program along with other programs pertinent to the success of the Suncoast Waterkeepers mission of protecting our waterways.

Justin Bloom, Board Member - Suncoast Waterkeeper: Justin is an attorney with significant experience developing and directing programs and projects for environmental groups in addition to decades of legal practice focusing on environmental issues. Justin will contribute to project oversight and development.

Project products (outputs/deliverables) (removed references to the SWIM guide and added in press releases and a substantive year-end report. Please review the last line regarding the "substantive report" in red at the end)

Project products include website informational resources as well as lab reports and worksheets that will be available to the public on our website and reports submitted to CHNEP. Suncoast Waterkeeper will provide water quality data on levels of Enterococci bacteria for recreational swimming, fishing, and boating areas within the CHNEP area. This project supports recreational water users in these communities by providing accurate and up-to-date water quality information in areas that currently have no other official monitoring, while sharing and evaluating existing, limited monitoring by FDOH and others.

Suncoast Waterkeeper staff and/or collaborating students and volunteers will collect the samples and submit them to a certified laboratory for analysis and data reporting. Standards followed are set by the Florida Department of Health, where counts of higher than 70 Enterococci per 100 milliliters of water are considered unsafe for wading, swimming, recreational water activities such as paddling and surfing, and shellfish consumption. Water is sampled for Enterococci at all saltwater sites and E. coli at freshwater sites. Sampling will continue to occur once a week on Tuesday year-round unless weather conditions make is unsafe to do so. Results are typically available 48 hours after samples are collected and results are expressed as "# of units per 100 mL of sample".

This data is posted to the public weekly as lab results become available. These results will be updated by Waterkeeper staff on a weekly basis on the Suncoast Waterkeeper website, Facebook page and other social media. Reporting utilizes colors to indicate enterococci levels as such; a site is marked green to indicate acceptable levels (</= to 70 enterococci per 100 mL of sample) or marked red to indicate unacceptable levels (>70 enterococci per 100 mL of sample) This is consistent with Florida's water quality guidelines.

Suncoast Waterkeeper will analyze the results for each site individually to support our plan of identifying contaminated waterways which will lead not only to increased and improved public notice and warnings, press releases and additional outreach and education, but significantly, will be followed by actions taken to identify sources of pollutants. If additional funding is available, follow-up sampling and additional indicator testing such as soil sampling and DNA source tracking sampling will be undertaken.

Additionally, a substantive report will be generated annually providing an overview of sampling sites – including addition or removal of sites, lab results and actions taken to communicate and correct continually problematic areas.

Project results (outcome)

This project continues focus on supporting recreational uses of coastal waters within the CHNEP area through sampling for enterococci as an indicator for the presence of fecal pathogens and using this data to educate users and stakeholders about current and historic results, followed by assessing risks and striving to improve or maintain water quality through further analysis, source identification and collaborative action. In addition to sharing FDOH data and advisories, SCWK, with our collaborating partners, will seek to guide stakeholders in further analysis, source identification and collaborative action.

SCWK focuses our limited resources and efforts on addressing gaps in existing efforts to address the above priority and goal. Besides the efforts described above that follow identification of FDOH Beach Action Value exceedances, we will focus on Bay waters and tidal tributaries that are not being regularly monitored for fecal pathogens. All of the sites that SCWK currently or propose to monitor are in bays or tidal tributaries, where users commonly recreate and have contact with the water. At all sample sites, we will continue to follow the standards set by FDOH and utilized in their Healthy Beaches program.

As we expand this program, we will actively engage volunteers in participating in citizen science to expand monitoring of popular water recreation areas and possibly include monitoring for nutrients where fitting.

This program is about much more than water quality monitoring - we activate and engage the public. We will continue to grow our grassroots constituency in the region that cares passionately about our protecting and restoring waterways for future generations.

SUNCOAST REEF ROVERS
2022 CHNEP GRANT - BUDGET FORM
January 2022

	Costs to be reimbursed by grant				Matching volunteer hours				Project Total
Description	**Quantity**	**Unit**	**Unit Cost**	**Subtotal Cost**	**Quantity**	**Unit**	**Unit Cost**	**Subtotal Cost**	**Total Cost**
Dive Trips									
Dive Trips - Venice Dive Center (Inlcudes cost of trip, air & gratuity) - 5 trips	5	ea.	$ 600.00	$ 3,000.00					$ 3,000.00
Volunteers									
Divers (6 hours per dive trip x 5 dive trips)									
Divers #1 (6 hours x 5 dive trips)					30	hours	$ 28.54	$ 856.20	$ 856.20
Divers #2 (6 hours x 5 dive trips)					30	hours	$ 28.54	$ 856.20	$ 856.20
Divers #3 (6 hours x 5 dive trips)					30	hours	$ 28.54	$ 856.20	$ 856.20
Divers #4 (6 hours x 5 dive trips)					30	hours	$ 28.54	$ 856.20	$ 856.20
Divers #5 (6 hours x 5 dive trips)					30	hours	$ 28.54	$ 856.20	$ 856.20
Divers #6 (6 hours x 5 dive trips)					30	hours	$ 28.54	$ 856.20	$ 856.20
Kayakers (3 hours per dive trip)									
Kayaker #1 (3 hours x 5 dive trips)					15	hours	$ 28.54	$ 428.10	$ 428.10
Kayaker #2 (3 hours x 5 dive trips)					15	hours	$ 28.54	$ 428.10	$ 428.10
Kayaker #3 (3 hours x 5 dive trips)					15	hours	$ 28.54	$ 428.10	$ 428.10
Report Preparation (2 hours per dive trip)									
Clerical					10	hours	$ 28.54	$ 285.40	$ 285.40
Total				**$ 3,000.00**				**$ 6,706.90**	**$ 9,706.90**

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- Items that will be sold by the grant recipient;
- Reprinting of existing material unless part of a larger educational program, or;
- Capital improvement or endowment funds, or usual operating costs.
- Conference registrations and travel

We encourage requests for funding in the $500 to $3,000 range. This is a cost reimbursement grant. Please note: only one award per organization/activity/project will be granted per year. Projects should conclude by Sept. 30, 2023 if possible. For Fiscal Year 2023 (October 1, 2022 through September 30, 2023) $30,000 has been reserved for Conservation Grants.

Once your application is received, it will be evaluated based on the information provided. We will notify you by e-mail about the status of your application. Conservation Grant funds are awarded three times per year:

Summer Deadline is August 1, 2022 for October 2022 award notice
Winter Deadline is December 1, 2022 for February 2023 award notice
Spring Deadline is April 1, 2023 for June 2023 award notice

The application allows you to tell us about your project. Please complete all fields for the application to be evaluated for funding. If a field does not apply to you or your organization, please type in "NA".

Contact Information

Project Title	Educational Signage and Habitat Restoration for Cape Coral Wildlife Trust properties
Short Description of Project (2-3 sentences)	Cape Coral Wildlife Trust currently owns 18 properties (a total of 57 lots) in the city of Cape Coral. We would like to add educational signage about the wildlife that lives on these properties.
Name and Title	Jana Charvat - Board Member at Large
Street Address	4008 SW 27th Ct.
City, ST, ZIP Code	Cape Coral, FL 33914
Phone	262-617-7116
E-Mail Address	jana1@bestviewrental.com
Organization Name	Cape Coral Wildlife Trust, Inc.
Web address	www.capecoralwildlifetrust.org
Amount requested	$3,000
Total Cost of Project	$6,000
Name of Entity that will accept Grant	Cape Coral Wildlife Trust, Inc.

reimbursement (W-9 form is required)	

Critical questions

I agree to complete the project and submit the final report by September 30, 2023: ☑ Yes ☐ No

Has the CHNEP provided financial support to you or your organization in the past 5 years?

☐ Yes (please describe below) ☑ No

Date	Project Description	Award Amount

Link to CHNEP Comprehensive Conservation and Management Plan (CCMP)

Check **ALL** the appropriate descriptions of how the project benefits the CHNEP in efforts to further the CCMP. You are welcome to add project benefits.

- ☐ Maintain or improve water quality
- ☑ Protect, enhance, or restore native habitat
- ☑ Increase conservation, preservation, or stewardship of lands or waters
- ☐ Support public involvement in watershed management
- ☑ Provide opportunities for citizen participation in research, monitoring, or restoration
- ☐ Produce watershed and estuary communication tools
- ☑ Implement conservation landscaping or home best management practices
- ☑ Educate children and adults about estuary stewardship
- ☑ Target community(ies) historically underserved by CHNEP Micro-grants
- ☐ Other (please state) _____

Geographic Area (check all that apply)

- ☐ Dona & Roberts Bay
- ☐ Myakka River
- ☐ Lemon Bay
- ☐ Peace River
- ☐ Charlotte Harbor
- ☑ Pine Island Sound
- ☑ Caloosahatchee River
- ☐ Estero Bay

Attachments

Please attach a one-page resume for the project leader.

Optional (but helpful): Project Timeline

Signage would be ordered within about five months after we receive the funds.

Project description

Describe the project. If it is an event, include location and date. Provide information on the: **who, what, how**, **where** and **when** of the project. Feel free to attach pages, if necessary.

We currently have 18 properties or a total of 57 lots in the City of Cape Coral. We have started restoration for wildlife on three of those properties and we need educational signage on most of our properties so that we could get the public more engaged in protecting our precious wildlife including our threatened gopher tortoises and burrowing owls. We would be adding more plantings and volunteer hours as that would be our contribution to the matching funds.

Project products (outputs/deliverables)

Briefly describe the final product of the project such as: a written report, a workshop, an event, a pamphlet, an interpretative placard, etc. Feel free to attach pages, if necessary.

The final product will be photographs of before and after to show the habitat improvements added to the property or properties. Also there will be monitoring of the success of attacting wildlife done on a regular basis. Signage would be added so that the public is educated on both improving wildlife habitat on their own properties as well as understanding the wildlife that lives in their neighborhoods.

Project results (outcome)

Briefly describe the project expected result(s), such as: "students will understand how stormwater ponds work, more than 3,000 people each year will visit the site and learn how to garden with native plants, 35 people will understand how their landscape impacts water quality," etc. Feel free to attach pages, if necessary.

We are planning to work with schools on the education of students in learning about our local wildlife. The outcome of having these educational signs on our properties and then "testing" the knowledge with students in our community of how effective the signage is. There are approximately 24,000 students in Cape Coral schools. One of our properties is just down the street from a Charter School Campus.

Signage would have a reference as to CHNEP providing the funding for those signs.

Detailed Budget

	CHNEP		Match		Total Budget
Salaries	$	+	$	=	$
Materials/Supplies	$3000	+	$3000	=	$6000
Travel	$	+	$	=	$
Subcontractors	$	+	$	=	$
Other Costs	$	+	$	=	$
TOTAL	$3000	+	$3000	=	$6000

Itemize how the total budget for salaries, materials/supplies, travel and subcontractors (above) will be spent.

Salaries: Itemize the hours estimated to be worked by each person and the full cost (salary, fringe and indirect rate.)

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Materials / Supplies: Itemize each item to be purchased and the cost.

Item(s) purchased Signage for $150-200 each

Item(s) purchased Trees - live oaks planted for $250

Item(s) purchased Misc. Other plants for $10-15 each

Travel: Reimbursement for mileage is limited to $0.405/mile. The grant funds cannot be used for meals.

Miles traveled: 247 X 0.405 = Total Travel costs 100

Subcontractor(s): Itemize the work to be performed by each subcontractor.

Subcontractor: Pioneer Printing Work performed: signage Cost: 2900

Subcontractor: _____ Work performed: _____ Cost: _____

Other Costs:

Work performed: _____ Cost: _____

Vendor: _____ Service Purchased: _____ Cost: _____

Vendor: _____ Service Purchased: _____ Cost: _____

Be sure to explain in the narrative what expenses the CHNEP is being asked to support.

Other Project support (volunteers, other sources of funds)

Briefly describe other support (cash, in-kind, volunteers) already committed to assist with the project.

We would be providing the plantings, trees and volunteer hours to provide the additional habitat and are asking that CHNEP to provide the signage and reimburse some of the mileage costs.

CHNEP would also be acknowledged as providing the signage on the signs.

Agreement and Signature

By submitting this application, I affirm that the facts set forth in it are true and complete.

Name (printed)	Jana Charvat
Signature	
Date	6-20-22

Thank you for completing the CHNEP Conservation Grant application!

Now, save a copy for your records, and attach a copy of your application to an email and send it to: grants@chnep.org CHNEP staff will review and notify you of the status of your application. Funding will be awarded based on the information you have provided and the funds available.

CAPE CORAL WILDLIFE TRUST, INC.

Jana Charvat – Resume

Member of the Friends of Cape Coral for about nine years –(the Cape Coral Wildlife Trust sister organization)

Have done the owl count for 5 of the last 6 years and volunteer for and at the Burrowing Owl Festival.

Became a board member of Cape Coral Wildlife Trust in June, 2021

Have been writing grants for the CCWT since June, 2021

Monitor and maintain three of the CCWT properties

Have been in charge of the additional habitat added to the CCWT properties

Work with the entire board of the CCWT regarding the improvements to the properties and to source and purchase those properties.

CHNEP Conservation Grant Application FY2023

Instructions: The CHNEP provides Conservation Grants to support portions of larger projects that implement our Comprehensive Conservation and Management Plan (CCMP). We require at least a 50% match of our funds. Preference will be given to projects in communities that have been historically underserved by CHNEP grants. Please read the following restrictions carefully. The CHNEP does **NOT** fund:

- Events or services for which there is an admission fee or charge; CHNEP will consider providing support for scholarships to allow participation by those who would not otherwise be able to;
- Restoration or improvements on private property;
- Projects that personally benefit the applicant;
- Political action or legislative advocacy;
- Fundraising activities;
- Projects completed prior to the award of the grant;
- Items that will be sold by the grant recipient;
- Reprinting of existing material unless part of a larger educational program, or;
- Capital improvement or endowment funds, or usual operating costs.
- Conference registrations and travel

We encourage requests for funding in the $500 to $3,000 range. This is a cost reimbursement grant. Please note: only one award per organization/activity/project will be granted per year. Projects should conclude by Sept. 30, 2023 if possible. For Fiscal Year 2023 (October 1, 2022 through September 30, 2023) $30,000 has been reserved for Conservation Grants.

Once your application is received, it will be evaluated based on the information provided. We will notify you by e-mail about the status of your application. Conservation Grant funds are awarded three times per year:

Summer Deadline is August 1, 2022 for October 2022 award notice
Winter Deadline is December 1, 2022 for February 2023 award notice
Spring Deadline is April 1, 2023 for June 2023 award notice

The application allows you to tell us about your project. Please complete all fields for the application to be evaluated for funding. If a field does not apply to you or your organization, please type in "NA".

Contact Information

Project Title	Pedersen Preserve Pine Restoration Area Habitat Improvement
Short Description of Project (2-3 sentences)	Habitat restoration of 9408 sf of an old citrus grove on Lake Annie (map attached) to promote the growth of long leaf pine and enhance the habitat value after marking gopher tortoise burrows, installing gopher tortoise educational signage, planting 1764 grasses and 588 wildflowers after herbicide and physically controling invasive exotics, creating a winter sparrow brush pile, installing pine snags for raptors, and removing dumped asphalt (potential pollutants) from the site. These habitat improvements will improve both water quality on and running off of the site as well as the habitat for native flora and fauna to thrive while educating the public (visitors) about the watershed, species, and benefits of natives.
Name and Title	Rachelle Selser, Executive Director
Street Address	2108 Autumn Leaf Lane
City, ST, ZIP Code	Winter Haven, FL 33884
Phone	8636781237
E-Mail Address	greenhorizonlandtrust@gmail.com
Organization Name	Green Horizon Land Trust, Inc.
Web address	www.greenhorizon.org
Amount requested	$3,000.
Total Cost of Project	$11,700.
Name of Entity that will accept Grant	Green Horizon Land Trust, Inc.

reimbursement (W-9 form is required) Attached

Critical questions

I agree to complete the project and submit the final report by September 30, 2023: ☑ Yes ☐ No
Has the CHNEP provided financial support to you or your organization in the past 5 years?
☐ Yes (please describe below) ☑ No

Date	Project Description	Award Amount

Link to CHNEP Comprehensive Conservation and Management Plan (CCMP)

Check **ALL** the appropriate descriptions of how the project benefits the CHNEP in efforts to further the CCMP. You are welcome to add project benefits.

- ☑ Maintain or improve water quality
- ☑ Protect, enhance, or restore native habitat
- ☑ Increase conservation, preservation, or stewardship of lands or waters
- ☑ Support public involvement in watershed management
- ☑ Provide opportunities for citizen participation in research, monitoring, or restoration
- ☐ Produce watershed and estuary communication tools
- ☑ Implement conservation landscaping or home best management practices
- ☐ Educate children and adults about estuary stewardship
- ☑ Target community(ies) historically underserved by CHNEP Micro-grants
- ☐ Other (please state) _____

Geographic Area (check all that apply)

- ☐ Dona & Roberts Bay
- ☐ Myakka River
- ☐ Lemon Bay
- ☑ Peace River
- ☑ Charlotte Harbor
- ☐ Pine Island Sound
- ☐ Caloosahatchee River
- ☐ Estero Bay

Attachments

Please attach a one-page resume for the project leader.

Optional (but helpful): Project Timeline

Twelve (12) months or less, weather/labor/volunteer/supply dependent.

Project description

Describe the project. If it is an event, include location and date. Provide information on the: **who, what**, **how**, **where** and **when** of the project. Feel free to attach pages, if necessary.

Green Horizon Land Trust's Board of Directors and Volunteers propose habitat restoration of a portion (9408 sf) of an old upland citrus grove within the CHNEP boundary on Lake Annie (Dundee, Polk County, FL) at Pedersen Preserve (privately preserved land and trails owned by Green Horizon Land Trust, non-profit 501(3)c and open to the public 365 days/year) to promote the growth of long leaf pine and enhance the habitat value after marking gopher tortoise burrows, installing gopher tortoise educational signage, planting 1764 grasses and 588 wildflowers after herbicide and physically controling invasive exotics, creating a winter sparrow brush pile, installing pine snags for raptors, and removing dumped asphalt (potential pollutants) from the site. These habitat improvements will improve both water quality on and running off of the site as well as the habitat for native flora and fauna to thrive while educating the public (preserve visitors and community volunteers) about the watershed, species, and benefits of natives (consistant with CHNEP's CCMP: Water Quality Improvement Action Plan Action 3, Hydrological Restoration Action Plan Actions 2 & 3, Fish, Wildlife, & Habitat Protection Action Plan Actions 2 & 3, Public Engagement Action Plan Actions 1, 2, & 3). Upon notification of grant award, volunteers will begin marking gopher tortoise burrows, invasive exotic vegetation control, brush pile creation, pine snag installation, asphalt dump removal, native grass and wildflower plantings, gopher tortoise signage installation, and follow up maintenance to establish native grass and wildflower plantings. Water and Land Resources CONNECT US ALL, Together We Accomplish GREAT Things!

Project products (outputs/deliverables)

Briefly describe the final product of the project such as: a written report, a workshop, an event, a pamphlet, an interpretative placard, etc. Feel free to attach pages, if necessary.

The project product will include a written report with before and after photodocumentation of Pedersen Preserve Pine Restoration Area Habitat Improvement (before, during, and after), volunteers (work days), gopher tortoise burrow counts and signage, Central Florida sandhill grasses and wildflower installed plant lists.

Project results (outcome)

Briefly describe the project expected result(s), such as: "students will understand how stormwater ponds work, more than 3,000 people each year will visit the site and learn how to garden with native plants, 35 people will understand how their landscape impacts water quality," etc. Feel free to attach pages, if necessary.

Expected project results of Pedersen Preserve Pine Restoration Area Habitat Improvement include restoration of and improvements to 9408 square feet of an old citrus grove area on Lake Annie to enhance the habitat value for both flora and fauna by controlling non-native/invasive/exotics, planting and establishing 1764 native grasses and 588 wildflowers, removing potential pollutants from the Peace River Watershed (asphalt dump removal and disposal), creation of a wildlife brush pile, installation of pine snags for raptors and other birds, marking and recording of gopher tortoise burrows and installing gopher tortoise signage to educate preserve visitors and volunteers about habitats, natives, and wildlife in the Peace River Watershed. Volunteers, GHLT members, and visitors (estimated 500/yr) will enjoy interconnectedness of our land and water resources and the benefits of the native habitat restoration project as they hike the trails and visit the preserve for years to come.

Detailed Budget

	CHNEP		Match		Total Budget
Salaries	$	+	$4,000	=	$4,000
Materials/Supplies	$3,000	+	$200	=	$3,200
Travel	$	+	$	=	$
Subcontractors	$	+	$2,000	=	$2,000
Other Costs	$	+	$2,500	=	$2,500
TOTAL	**$3,000**	**+**	**$8,700**	**=**	**$11,700.**

Itemize how the total budget for salaries, materials/supplies, travel and subcontractors (above) will be spent.

Salaries: Itemize the hours estimated to be worked by each person and the full cost (salary, fringe and indirect rate.)

Staff person: Exec. Director Billing rate: $50. x 40 hours = Total cost $2,000.

Staff person: Land Manager Billing rate: $50. x 40 hours = Total cost $2,000.

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Materials / Supplies: Itemize each item to be purchased and the cost.

Item(s) purchased 1764 grasses in tubelings ($0.85/) for $1,499.40

Item(s) purchased 588 wildflowers in quarts ($2.55/) for $1,499.40

Item(s) purchased Workday Gloves, Water, Fuel for equipment for $200.20

Travel: Reimbursement for mileage is limited to $0.405/mile. The grant funds cannot be used for meals.

Miles traveled: _____ X 0.405 = Total Travel costs_____

Subcontractor(s): Itemize the work to be performed by each subcontractor.

Subcontractor: Amphibous Aquatics Work performed: Licenced Herbicide Applications Cost: $1,500.

Subcontractor: Jeffrey Shilts Work performed: Disposal of asphalt Cost: $500.

Other Costs:

Work performed: Planting and Herbicides Cost: $2,500.

Vendor: VOLUNTEER Service Purchased: Planting of tubelings and quarts Cost: $1,500.

Vendor: Helena Chemical Service Purchased: Herbicides Cost: $1,000.

Be sure to explain in the narrative what expenses the CHNEP is being asked to support.

Other Project support (volunteers, other sources of funds)

Briefly describe other support (cash, in-kind, volunteers) already committed to assist with the project.

CHNEP is being asked to support the purchase of native grasses, native wildflowers, herbicides, fuels for equipment, gloves, and work days drinking waters for $3,000. In-kind donations of tools, equipment, volunteer time and labor to plant and establish 1764 native grasses and 588 wildflowers, removing potential pollutants from the Peace River Watershed (asphalt dump removal and disposal), creation of a wildlife brush pile, installation of pine snags for raptors and other birds, marking of gopher tortoise burrows and installing gopher tortoise signage will exceed/eclipse the $3,000 material/supply costs for which Green Horizon is applying.

Agreement and Signature

By submitting this application, I affirm that the facts set forth in it are true and complete.

Name (printed)	Rachelle Selser
Signature	
Date	July 18, 2022

Thank you for completing the CHNEP Conservation Grant application!

Now, save a copy for your records, and attach a copy of your application to an email and send it to: grants@chnep.org CHNEP staff will review and notify you of the status of your application. Funding will be awarded based on the information you have provided and the funds available.

CHNEP Conservation Grant Application FY2023

Instructions: The CHNEP provides Conservation Grants to support portions of larger projects that implement our Comprehensive Conservation and Management Plan (CCMP). We require at least a 50% match of our funds. Preference will be given to projects in communities that have been historically underserved by CHNEP grants. Please read the following restrictions carefully. The CHNEP does **NOT** fund:

- Events or services for which there is an admission fee or charge; CHNEP will consider providing support for scholarships to allow participation by those who would not otherwise be able to;
- Restoration or improvements on private property;
- Projects that personally benefit the applicant;
- Political action or legislative advocacy;
- Fundraising activities;
- Projects completed prior to the award of the grant;
- Items that will be sold by the grant recipient;
- Reprinting of existing material unless part of a larger educational program, or;
- Capital improvement or endowment funds, or usual operating costs.
- Conference registrations and travel

We encourage requests for funding in the $500 to $3,000 range. This is a cost reimbursement grant. Please note: only one award per organization/activity/project will be granted per year. Projects should conclude by Sept. 30, 2023 if possible. For Fiscal Year 2023 (October 1, 2022 through September 30, 2023) $30,000 has been reserved for Conservation Grants.

Once your application is received, it will be evaluated based on the information provided. We will notify you by e-mail about the status of your application. Conservation Grant funds are awarded three times per year:

Summer Deadline is August 1, 2022 for October 2022 award notice
Winter Deadline is December 1, 2022 for February 2023 award notice
Spring Deadline is April 1, 2023 for June 2023 award notice

The application allows you to tell us about your project. Please complete all fields for the application to be evaluated for funding. If a field does not apply to you or your organization, please type in “NA”.

Contact Information

Project Title	Caloosahatchee River Drone Wading Bird Nest Survey
Short Description of Project (2-3 sentences)	The purpose of the 2022 grant is to conduct nesting surveys for Lenore and Manatee Sign Islands.
Name and Title	Church Roberts, Principal Ecologist
Street Address	1807 Monte Vista St
City, ST, ZIP Code	Fort Myers, Fl 33901
Phone	239-888-6997
E-Mail Address	croberts@churchenvironmental.com
Organization Name	Church Environmental
Web address	
Amount requested	$1,200
Total Cost of Project	$2,650
Name of Entity that will accept Grant	Church Environmental

reimbursement (W-9 form is required)	

Critical questions

I agree to complete the project and submit the final report by September 30, 2023: ☑ Yes ☐ No
Has the CHNEP provided financial support to you or your organization in the past 5 years?
☑ Yes (please describe below) ☐ No

Date	Project Description	Award Amount
	2019 Caloosahatchee River Drone Wading Bird Nest Survey $950	

Link to CHNEP Comprehensive Conservation and Management Plan (CCMP)

Check **ALL** the appropriate descriptions of how the project benefits the CHNEP in efforts to further the CCMP. You are welcome to add project benefits.

☐ Maintain or improve water quality
☑ Protect, enhance, or restore native habitat
☑ Increase conservation, preservation, or stewardship of lands or waters
☑ Support public involvement in watershed management
☑ Provide opportunities for citizen participation in research, monitoring, or restoration
☑ Produce watershed and estuary communication tools
☐ Implement conservation landscaping or home best management practices
☑ Educate children and adults about estuary stewardship
☐ Target community(ies) historically underserved by CHNEP Micro-grants
☐ Other (please state) _____

Geographic Area (check all that apply)

☐ Dona & Roberts Bay
☐ Myakka River
☐ Lemon Bay
☐ Peace River
☐ Charlotte Harbor
☐ Pine Island Sound
☑ Caloosahatchee River
☐ Estero Bay

Attachments

Please attach a one-page resume for the project leader.

Optional (but helpful): Project Timeline

Project description

Describe the project. If it is an event, include location and date. Provide information on the: **who, what**, **how**, **where** and **when** of the project. Feel free to attach pages, if necessary.

The purpose of the 2022 grant is to conduct nesting surveys for Lenore and Manatee Sign Islands. A DJI Phantom 4 PRO Professional Drone, owned by Church Environmental, will be utilized to conduct the surveys. Photographs and video logs from the survey will be made available for public educational purposes. Church Roberts (Church Environmental) and Conor Goulding (Earth Tech Environmental) will conduct the survey and provide in-kind contributions. Mr. Roberts has a Small Unmanned Aircraft Remote Pilot Certificate, which is required by the Federal Aviation Authority for commercial operations.

Project products (outputs/deliverables)

Briefly describe the final product of the project such as: a written report, a workshop, an event, a pamphlet, an interpretative placard, etc. Feel free to attach pages, if necessary.

A Technical Memorandum documenting the survey methodology and results will be submitted to CHNEP, along with digital copies of recorded video and photographs.

Project results (outcome)

Briefly describe the project expected result(s), such as: “students will understand how stormwater ponds work, more than 3,000 people each year will visit the site and learn how to garden with native plants, 35 people will understand how their landscape impacts water quality,” etc. Feel free to attach pages, if necessary.

The results of the project will assist in the development of UAV survey methodology for bird surveys in Southwest Florida, provide census data for rookery islands in the Caloosahatchee River, and media for public education.

Detailed Budget

	CHNEP		Match		Total Budget
Salaries	$1200	+	$900	=	$2100
Materials/Supplies	$	+	$550	=	$550
Travel	$	+	$	=	$
Subcontractors	$	+	$	=	$
Other Costs	$	+	$	=	$
TOTAL	**$1200**	**+**	**$1450**	**=**	**$2650**

Itemize how the total budget for salaries, materials/supplies, travel and subcontractors (above) will be spent.

Salaries: Itemize the hours estimated to be worked by each person and the full cost (salary, fringe and indirect rate.)

Staff person: Ecologist Billing rate: $110 x 20 hours = Total cost $2100

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Staff person: _____ Billing rate: $_____ x ____ hours = Total cost _____

Materials / Supplies: Itemize each item to be purchased and the cost.

Item(s) purchased 1/2 Day Boat for $550

Item(s) purchased _____ for $_____

Item(s) purchased _____ for $_____

Travel: Reimbursement for mileage is limited to $0.405/mile. The grant funds cannot be used for meals.

Miles traveled: _____ X 0.405 = Total Travel costs_____

Subcontractor(s): Itemize the work to be performed by each subcontractor.

Subcontractor: Church Environmental Work performed: UAV Survey Cost: $1700

Subcontractor: Earth Tech Work performed: UV Survey/Boat Cost: $950

Other Costs:

Work performed: _____ Cost: _____

Vendor: _____ Service Purchased: _____ Cost: _____

Vendor: _____ Service Purchased: _____ Cost: _____

Be sure to explain in the narrative what expenses the CHNEP is being asked to support.

Other Project support (volunteers, other sources of funds)

Briefly describe other support (cash, in-kind, volunteers) already committed to assist with the project.

Earth Tech Environmental will provide a boat for the survey. Church Environmental will provide a certified remote pilot/ecologist for the surveys, process recorded videos and photographs, and prepare the Technical Memorandum.

Agreement and Signature

By submitting this application, I affirm that the facts set forth in it are true and complete.

Name (printed)	Church Roberts
Signature	*Church Roberts*
Date	8/1/2022

Thank you for completing the CHNEP Conservation Grant application!

Now, save a copy for your records, and attach a copy of your application to an email and send it to: grants@chnep.org CHNEP staff will review and notify you of the status of your application. Funding will be awarded based on the information you have provided and the funds available.