

# Work Plan 28

## Section 320 of the CWA

### 16 Activities



**EPA Work Plan & Budget**  
**October 1, 2021 - September 30, 2022**

Prepared by the Corporation for the Conservation  
of the San Juan Bay Estuary

[estuario.org](http://estuario.org)

Approved: May 2021  
EPA Work Plan & Budget  
October 1, 2021 - September 30, 2022

# ACTIVITY 1: ESTUARIO WATER QUALITY VOLUNTEER MONITORING PROGRAM

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## Outputs / Deliverables:

- ✓ Eleven (11) monthly sampling events to obtain water quality in-situ measurements in twenty-five (25) monitoring stations, which are part of the Estuario WQVMP.
- ✓ Two sampling events will be conducted to collect water samples for lab-based analysis of (4) parameters. The sampling events will cover both wet and dry seasons.

Estimated budget: \$17,473



## ACTIVITY 2: ENVIRONMENTAL DATA ANALYSIS

### Outputs / Deliverables

The objective of this project is to document bird species, presence and abundance, within the San Juan Bay Estuary Watershed. The observations will be used to calculate biodiversity indexes. Also, the project aims to increase public participation in the Estuary's citizen science initiatives and increase public awareness of the presence and function of watershed bird fauna.

Estimated budget: \$6,240





# ACTIVITY 3: CO- MANAGEMENT OF THE CONDADO LAGOON

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## Outputs / Deliverables:

- ✓ Two (2) in person or virtual meetings with operators and Amigos de la Laguna
- ✓ Nine (9) Cine Estuario Showings that are streaming so that participants can view from home or on site at Condado Lagoon
- ✓ Two (2) tabling events at the Condado Lagoon to reach out to residents and park goers
- ✓ Coordinate with Department of Natural and Environmental Resources for a marine patrol at Laguna de Condado.

Estimated budget: \$5,848



## ACTIVITY 4: WASTE POLLUTION REDUCTION AND OIL RECYCLING CAMPAIGN (EXPAND)

### Outputs / Deliverables

- ✓ The Estuario will conduct a waste characterization analysis of trash produced within the basin.
- ✓ This waste management plan will provide useful information and resources regarding the risks related to improper waste management.
- ✓ The analysis results and recommendations will also be integrated into the hazard mitigation plan with the intention to reduce the amount of waste making it to our waters.
- ✓ Provide requested data and evidence related to Aquatic Debris to support the CCMP Revision and Program Evaluation processes.

Estimated budget: \$38,000



# ACTIVITY 5: ESTUARIO EDUCATION AND EMPOWERMENT INITIATIVES

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## Outputs / Deliverables

- ✓ Provide requested data and evidence related to Education and Public Involvement to support the CCMP Revision process and Program Evaluation processes.
- ✓ Two (2) birds census
- ✓ One (1) Scouts Merit Badge Workshop or Webinar Series
- ✓ One (1) Weeklong Summer Workshop or Webinar Series
- ✓ Five (5) Educational Field Trips or Webinar
- ✓ Five (5) facilitation of Curricular Lessons
- ✓ Five (5) Schools participating in Guardians of the Estuary
- ✓ One (1) Estuario Professional Development workshop or Webinar series for teachers and educators
- ✓ One (1) Estuario Professional Development Workshop/ Field Trip or Webinar Series for Environmental Interpreters and non-formal educators
- ✓ Participate in the Regional Center for Expertise in Sustainability Education Committee monthly meetings.



Estimated budget: \$42,844



## ACTIVITY 6: CITIZEN SCIENCE CERTIFICATION PROGRAM [ONGOING]

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### Outputs / Deliverables

- ✓ Offer three (3) introductory workshops or webinars, one for each of the three modules.
- ✓ Offer six (6) enrichment workshops or webinars, two for each of the three modules.
- ✓ Six (6) microplastic monitoring events throughout the rest of the year that are part of the Estuario's Citizen Science Certification Program.
- ✓ Continue partnership with an organization or University with the objective of enhancing and improving the monitoring program as part of the Citizen Science Certification Program.

Estimated budget: \$14,350



# ACTIVITY 7: 14TH PUERTO RICO WATER QUALITY MONITORING DAY [ANNUAL EVENT]

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## Outputs / Deliverables

- ✓ Monitoring of at least 150 stations around the Island.
- ✓ Approximately 700 participant visits to these monitoring stations.
- ✓ Four (4) web-based or in-person workshops or capacity building activities to prepare volunteers in the four cardinal areas of the Island, North, South, East and West.
- ✓ Submit collected data to the World Water Monitoring Challenge organization.
- ✓ Social media coverage and postings.

Estimated budget: \$13,660





# ACTIVITY 8: COMMUNITY RESILIENCE THROUGH ARTS AND CULTURE

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## Outputs / Deliverables

- ✓ Two workshops or webinars promoted at Estuario's Community Resilient Hubs
- ✓ Two Artists in Residence virtual, in-person or hybrid campaigns
- ✓ One exhibit or virtual exhibit based on the Artist in Residence artworks in the Communities or web- based
- ✓ One creative/artistic workshop or webinar

Estimated budget: \$21,500



# ACTIVITY 9: CAÑO MARTÍN PEÑA - RESILIENT COMMUNITIES SUPPORT

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## Outputs / Deliverables

- ✓ Further engage citizens in meaningful ways through community participation.
- ✓ Establish one exhibit using the Estuario Center as a Hub to further anchor our role as a community and Estuarine information hub.
- ✓ Continue virtual or in person engagement with communities within the CMP district and Resilient community hubs

Estimated Budget: \$70,000



# ACTIVITY 10: LONG-RANGE COMMUNICATIONS PROJECT

## Outputs / Deliverables

- ✓ Three communication pieces related to the 14th Water Quality Monitoring Day
- ✓ One communication piece about Estuario's community resilience
- ✓ One communication piece about solid waste management; reduction and recycling
- ✓ One communication piece about Citizen Science Certification Program
- ✓ Educational campaign (including advertising) about how communities can help restore bodies of water
- ✓ 100 new social media contents, including educational information about the SJBE species, and other information.
- ✓ 24 new educational videos or Facebook Lives of 30s to 3 min to inform the public about the initiatives of the Estuario, coverage of the activities, volunteer recruitment, and activities with students.
- ✓ In person or virtual training for volunteers on how to use Estuary tools on the web.



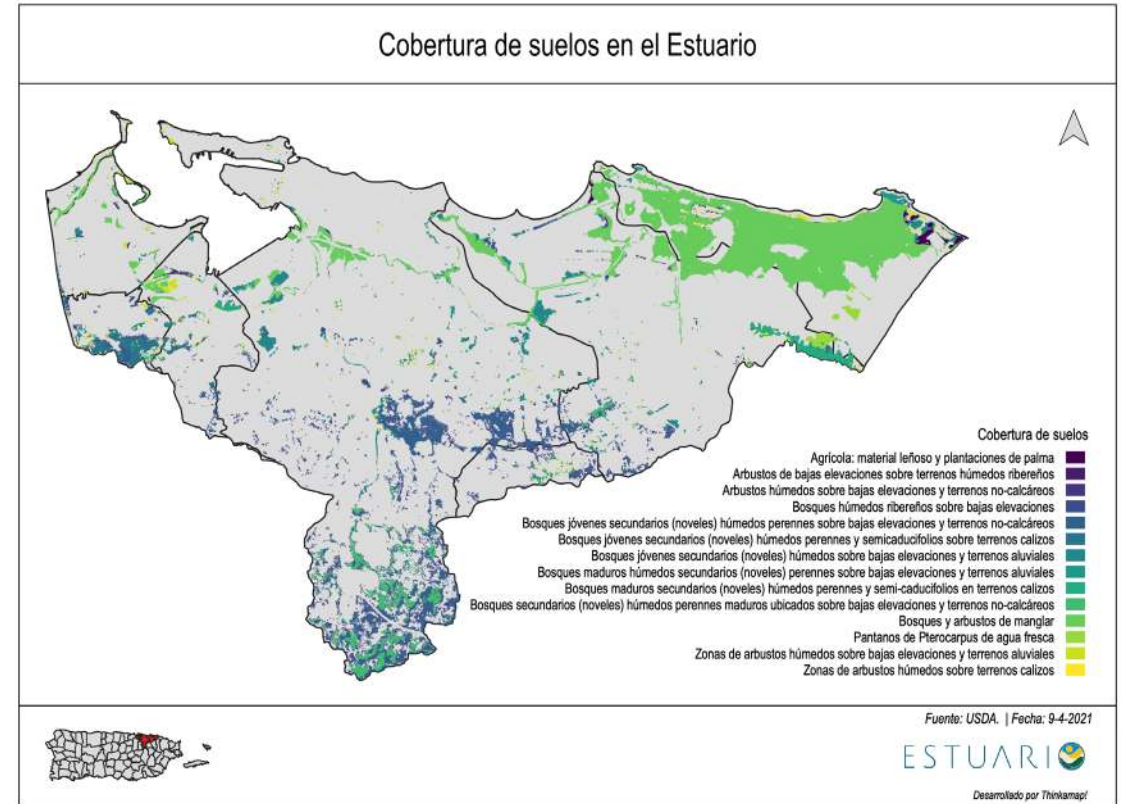
Estimated budget: \$40,194



# ACTIVITY 11: ESTUARIO DATABASE: WEBATLAS AND LIBRARY

## Outputs / Deliverables

- ✓ Maintain the website Estuario.org working effectively, add new content drafted by the communications contractor to the website, as well as the announcements of the entity, and keep improving it to serve as the recipient of all the electronic publications of the Estuario.
- ✓ In person or virtual trainings for volunteers on how to use Estuary tools on the web.
- ✓ Ensure proper functioning of website features and capabilities, including maps, databases, resource uploading/downloading and forms and booking system.
- ✓ Ensure web sites notifications are working properly.
- ✓ COVID-19 safety protocol for in-person events such as Cine Estuario, restoration activities, educational events, etc



Estimated budget: \$23,400

# ACTIVITY 12: WASTEWATER INFRASTRUCTURE IMPROVEMENT PROJECT

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## Outputs / Deliverables

- ✓ During 2021-2022, PRASA will keep improving its sanitary sewer infrastructure in the Metropolitan Area with a capital investment of several million dollars.
- ✓ With this action, the agency will be implementing two priority actions and cornerstones of our CCMP (WS-3, WS-4).
- ✓ Improve the Metro Region wastewater infrastructure.

Estimated budget: \$700,000 in-kind match to be reported as leverage



## ACTIVITY 13: COMPLIANCE/REPORTING AND PROPOSAL WRITING TO SUPPORT CCMP TRACKING

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### Outputs / Deliverables

- ✓ Meet with Executive Director every two months to identify program priorities, updating on activities including, funding availability, status of grant writing efforts, and related subject
- ✓ Submit mid-year reports.
- ✓ Submit technical reports / annual reports.
- ✓ Support drafting of work plans.
- ✓ Submit at least one proposal every three months
- ✓ Provide updated username/password list on a monthly basis to AOR/POC with expiration dates.
- ✓ Support Program evaluation process
- ✓ Support CCMP Revision process



Estimated budget: \$34,000



# ACTIVITY 14: CCMP TRACKING AND IMPLEMENTATION [ONGOING]

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## Outputs / Deliverables

- ✓ General reports for all activities carried out by CCMP personnel and supporters.
- ✓ Documentation and systematization of Estuario's work to serve as a model for other watersheds within the archipelago.

Estimated Budget: \$0



# ACTIVITY 15: SAN JUAN BAY ESTUARY PROGRAM CCMP REVISION

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## Outputs / Deliverables

- ✓ Revise the Estuario's CCMP to reflect environmental changes in the watershed and recent atmospheric events that bring about emerging challenges to the restoration and conservation of the San Juan Bay Estuary watershed.
- ✓ Final report with strategic plan for the next 5 years along with recommendations related to the CCMP's implementation, implementation approaches including responsible parties, and recommendations of metrics.
- ✓ Hold public meetings, meetings with stakeholder committees
- ✓ Report with list of recommendations and present through the Estuario website and local news publications.
- ✓ Present quarterly report to CCMP revision steering committee.

Estimated budget: \$55,800

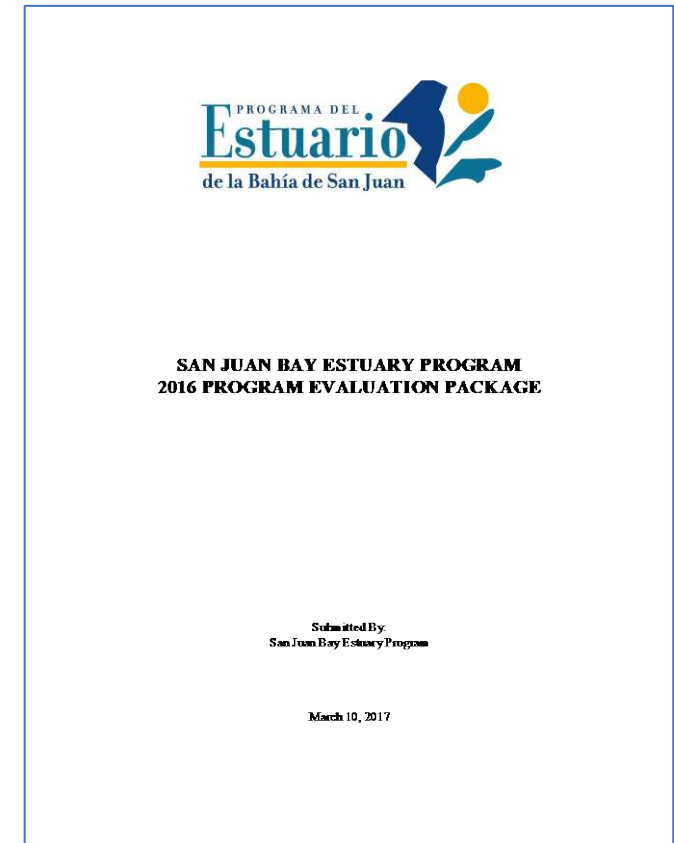


# ACTIVITY 16: PROGRAM EVALUATION [NEW]

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## Outputs / Deliverables

- ✓ Comply with the program evaluation schedule as set by EPA in the PE guidelines.
- ✓ Full report complying with the requirements of the PE accompanied by strong evidence supporting the continuation of the SJBEP under EPA's National Estuary Program for the 2022-2027 period.
- ✓ Participate on conference calls as required.
- ✓ Address the PE team comment and provide any additional information requests by the PE team.
- ✓ Host will site visit to educate the Program Evaluators about the work we do on the field and with the residents of the San Juan Bay Estuary



Estimated budget: \$24, 250

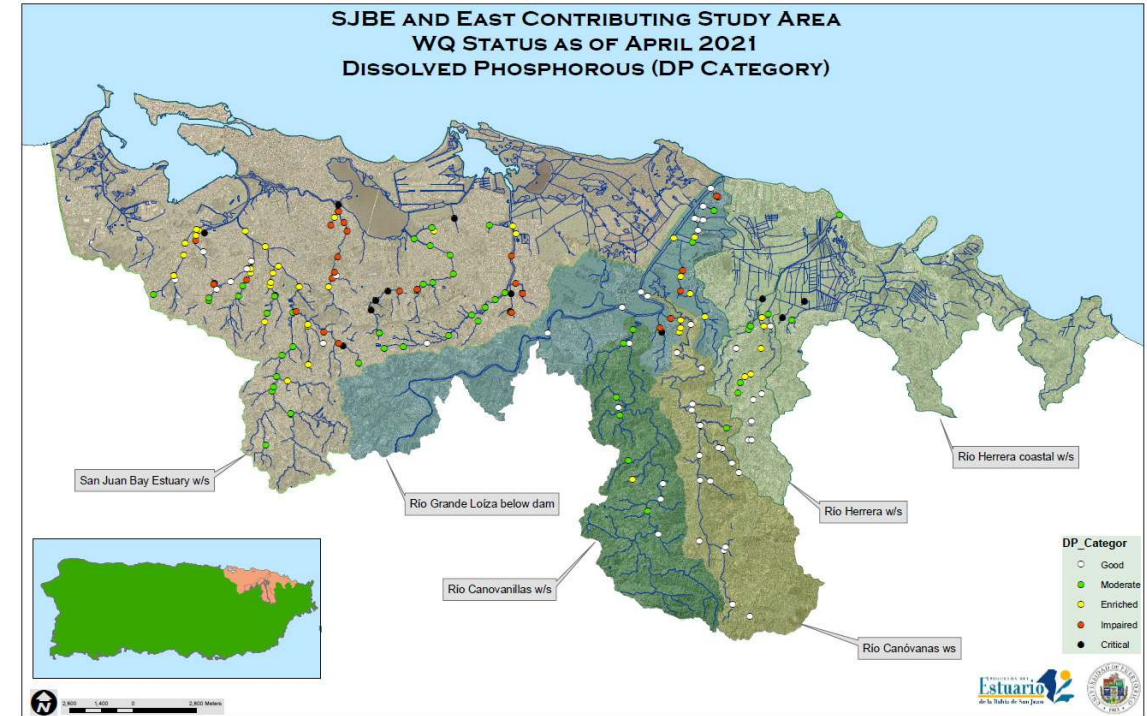


# ACTIVITY 17: MONITORING AND CORRECTIVE PROGRAM

## Outputs / Deliverables

- ✓ Provide support for the detection and correction of illicit discharges as well as community empowerment and education through the Estuario programming platform which carries out strategies through the 5 action areas of the CCMP.
- ✓ This project is funded by the Clean Water State Revolving Fund (SRF), a federal-state partnership that provides low-cost financing for a wide range of water quality infrastructure projects. This activity will be carried out in support of this SRF project.

Estimated Budget: \$0



# ACTIVITY 18: MITIGATION PLANNING

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## Outputs / Deliverables

- ✓ Working with communities to identify long-term strategies for risk reduction that are aligned with community objectives, focus resources on the greatest risks, and communicate priorities to potential funders.
- ✓ Provide support for watershed- based mitigation plan through management of Community Resilience hubs.
- ✓ Provide support as needed for the development of the FEMA approved multijurisdictional hazard mitigation plan.
- ✓ This project is funded by the Clean Water State Revolving Fund (SRF), a federal-state partnership that provides low-cost financing for a wide range of water quality infrastructure projects. This activity will be carried out in support of this SRF project.



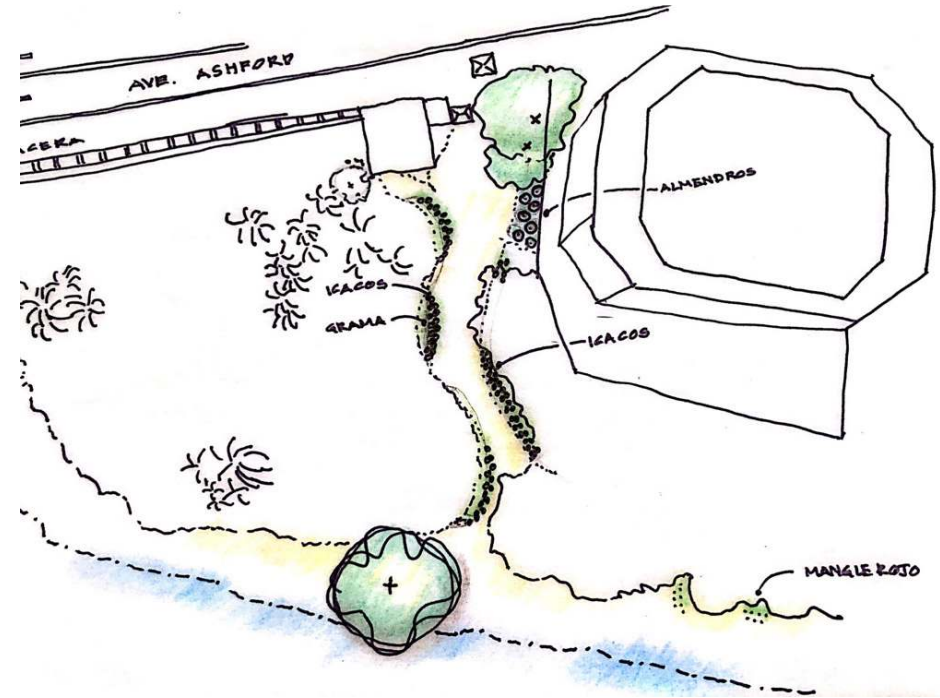
Estimated Budget: \$0

# ACTIVITY 19: GREEN INFRASTRUCTURE AND REFORESTATION

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## Outputs / Deliverables

- ✓ Provide support as needed for the development of a green infrastructure master plan that integrates diagnostic data and strategies for implementation.
- ✓ Continue providing supporting Urban Forests that are part of the Estuario Urban Forest Network.
- ✓ This project is funded by the Clean Water State Revolving Fund (SRF), a federal-state partnership that provides low-cost financing for a wide range of water quality infrastructure projects. This activity will be carried out in support of this SRF project.



Estimated Budget: \$500