



TOWN OF SOUTHAMPTON
 Department of Community Preservation
 24 W Montauk Hwy, Hampton Bays, NY 11946
 Ph: 631-287-5720 Fx: 631-728-1920
www.southamptontownny.gov/WQIPP

2022

COMMUNITY PRESERVATION FUND (CPF)
WATER QUALITY IMPROVEMENT PROGRAM
CHECKLIST/APPLICATION INSTRUCTIONS

The CPF Water Quality Improvement Project Plan (WQIPP) Fund follows the objectives in the adopted [Water Quality Improvement Project Plan](http://www.southamptontownny.gov/WQIPP) (see <http://www.southamptontownny.gov/WQIPP>)

To apply for funding, an application must be COMPLETED and submitted along with detailed narratives and supporting information as described below. The Water Quality Advisory Committee will rank and score projects based on the [Scoring Criteria contained in the application materials](#). Parcel acquisitions will be considered on an ongoing basis, independent of this application process.

Note: Electronic application submission required and 4 - full printed sets of application, site plan and narrative.

Upload application at www.southamptontownny.gov/WQIPPSUBMISSION

A Public Hearing and Town Board Resolution will be required for individual or multiple projects.

WATER QUALITY IMPROVEMENT PROJECT MEANS:

DEFINITIONS:

1. **Wastewater Treatment Improvement Project** means the planning, design, construction, acquisition, enlargement, extension, or alteration of a wastewater treatment facility, including alternative systems to a sewage treatment plant or traditional septic system, to treat, neutralize, stabilize, eliminate or partially eliminate sewage or reduce pollutants in treatment facility effluent, including permanent or pilot demonstration wastewater treatment projects, or equipment or furnishings thereof. Stormwater collecting systems and vessel pumpout stations shall also be included within the definition of a wastewater improvement project.
2. **Nonpoint Source Abatement and Control Program Projects** developed pursuant to section eleven-b of the soil and water conservation districts law, title 14 of article 17 of the environmental conservation law, section 1455b of the federal coastal zone management act, or article forty-two of the executive law;
3. **Aquatic Habitat Restoration Project** means the planning, design, construction, management, maintenance, reconstruction, revitalization, or rejuvenation activities intended to improve waters of the state of ecological significance or any part thereof, including, but not limited to ponds, bogs, wetlands, bays, sounds, streams, rivers, or lakes and shorelines thereof, to support a spawning, nursery, wintering, migratory, nesting, breeding, feeding, or foraging environment for fish and wildlife and other biota.
4. **Pollution Prevention Project** means the planning, design, construction, improvement, maintenance or acquisition of facilities, production processes, equipment or buildings owned or operated by municipalities for the reduction, avoidance, or elimination of the use of toxic or hazardous substances or the generation of such substances or pollutants so as to reduce risks to public health or the environment, including changes in production processes or raw materials; such projects shall not include incineration, transfer from one medium of release or discharge to another medium, off-site or out-of-production recycling, end-of-pipe treatment or pollution control.
5. **The Operation of the Peconic Bay National Estuary Program**, as designated by the United States Environmental Protection Agency. Such projects shall have as their purpose the improvement of existing water quality to meet existing specific water quality standards. Projects which have as a purpose to permit or accommodate new growth shall not be included within this definition



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**COMMUNITY PRESERVATION FUND (CPF)
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 PROPOSAL SUMMARY**

Project Applicant: Board of Trustees for the Freeholders and Commonalty of the Town of Southampton
 Project Title: Mecox Bay Sensor and Inlet Managment
 Project Manager Name: Trustee Ann Welker and Environmental Analyst James Duryea

Name	Board of Trustees for the Freeholders and Commonalty of the Town of Southampton
Title	Mecox Bay Sensor and Inlet Managment
Organization	Board of Trustees for the Freeholders and Commonalty of the Town of Southampton
Address	116 Hampton Road Southampton NY 11968
Phone	631-287-5717
Email	Awelker@southamptontownny.gov and jduryea@southamptontownny.gov

Property owner (if different from Project manager organization):

Name	
Affiliation	
Organization	
Address	
Phone	
Email	

Project Address: Mecox Bay SCTM #(s) 900-396-1-1

Type of Project (Check all that apply):

- Reduction Remediation Restoration

Project Summary: (Provide a brief narrative description of proposed WQIPP project)

See Narrative



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If additional information is needed to describe the project; a project narrative can accompany the application. Please limit the narrative to approximately 3 pages of project description, provide a summary of water quality benefits/objectives of approximately 2 pages and provide a cost estimate of approximately 2 to 4 pages with supporting estimates. Any additional materials should be focused specifically on the proposed project with references to other studies that are pertinent

1. PROJECT TYPE (check all that apply)

Must meet at least one of the definitions of "Water Quality Improvement Project" per State Law Chapter 551 cited above. Check all that apply. **Note: Monitoring costs are only potentially eligible for CPF funding within Aquatic habitat restoration projects.**

- Wastewater Treatment Improvement Project
- Non-point source abatement and control
- Aquatic habitat restoration
- Pollution prevention
- Operation of Peconic Bay National Estuary Program (Grant Match)

2. PRIORITY AREA(S) (check all that apply)

Priority areas are defined in the [Water Quality Improvement Project Plan \(WQIPP\)](#).

- 303(d) Impaired
- Peconic Estuary Program - [PEP map](#)
- High
- Medium
- Outside High and Medium priority areas*

*If Outside High and Medium priority areas, explain how the project is relevant to WQIPP goals.

3. PROJECT DESCRIPTION

3a. Existing conditions of applicable groundwater/sub-watershed/waterbody and most recent and relevant data available (provide sources).

See Narrative

3b. How the proposed solution addresses the issue in the context of Reduction, Remediation and/or Restoration as per the CPF Water Quality Project Plan. Note all remediation and restoration projects must assure that reduction measures are also addressed.

See Narrative



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3c. Describe the proposed technology and its demonstrated efficacy in similar settings. May include published data.

See Narrative

3d. How the project supports Town of Southampton, Suffolk County, NYSDEC, Long Island Nitrogen Action Plan (LINAP) or other adopted goals/policies (provide references with pages numbers).

See Narrative

3e. Review the following statements and indicate whether they are applicable to your project. For all "Yes" responses, please indicate how your project addresses the requirements indicated.

YES N/A

If stormwater system or drainage is proposed: The project must indicate compliance with the New York State Stormwater Design Manual (2015 and as updated).

If project is related to farmland: Describe any Agricultural Stewardship Plan or other long term strategy for Nitrogen abatement.

If the project is for habitat restoration: The narrative must address how underlying causes are being ameliorated and expected outcomes for local species populations or other ecological considerations are given.

If project is a Sewage Treatment Plant (STP) or cluster treatment system: Fund allocation request is based on cost for reduction of pre-existing conditions and not for purpose of accommodating new density (describe pre-existing density and associated flow (gallons per day) and total projected nitrogen reduction in narrative). Include detailed information on how many homes the system would treat as well as potential for formation of Sewer District, if required by Suffolk County Health Department or Town Law.

If the project is requesting grant match: Include information related to funding program source and purpose of application and any relevant items on this checklist. Note: A Town Board resolution will be required in order to encumber matching funds for grant applications.

4. WATER QUALITY BENEFIT

4a. Identify Nitrogen, Pathogen or Pollutant of Concern (POC) including Existing Condition and Target Reduction.

See Narrative

4b. Describe plans for collecting and reporting on water quality over time.

See Narrative



4c. Indicate useful life of proposed technology (must meet or exceed five years).

See Narrative

5. COST FACTORS

5a. Explain how you have confirmed that the proposed budget is reasonable, appropriate and necessary. If available, provide third party estimates or other documentation of how costs were determined.

See Narrative

5b. Describe any matching funds to be provided.

See Narrative

5c. Explain: i. Why project cannot proceed and intended benefits cannot be achieved without external funding.
ii. if funds are awarded at a lower level than requested, or if there are cost overruns, explain how the project will proceed.

See Narrative

6. MANAGEMENT, EXPERIENCE, ABILITY

6a. Describe applicant's experience in completing similar projects.

See Narrative

6b. Describe community support or opposition to project. If there is opposition, explain how this is to be addressed.

See Narrative

6c. Describe any permits needed and time frame/status of approvals. If permits are approved, indicate same.

See Narrative



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7. MAINTENANCE, MONITORING, EVALUATION

Estimate ongoing maintenance costs and explain how these will be supported. Explain stewardship and monitoring activities planned for ensuring sustainability of the project.

See Narrative

8. DURATION OF PROJECT

8a. Provide a projected project timeline. Note: The Committee will only make recommendations for shovel-ready projects that can commence this fiscal year.

See Narrative

8b. If project is multi-year or phased, provide a breakdown of budget and milestones for each year and phase.

See Narrative

9. REQUIRED ATTACHMENTS Confirm that the following required documents are attached to this application:

- Photos of existing conditions
- Location Map
- State Environmental Quality Review Act (SEQRA) Long or Short Environmental Assessment Form (EAF)
<https://www.dec.ny.gov/permits/6191.html>
- Completed EPA Spreadsheet Tool for Evaluating Pollutant Load (STEPL)
<https://www.epa.gov/nps/spreadsheet-tool-estimating-pollutant-loads-step1> or similar standardized methodology (describe)
- Project budget (see attached template)
- Ownership commitment is provided via letter of intent (LOI) for non-municipal owners or municipal resolution for municipal owners
- Public agencies must complete SEQRA on the project and submit determination of significance and associated documentation.

10. OTHER ATTACHMENTS

List other attachments provided, including cost estimates, bids, plans, documentation of matching funds, and other as appropriate to demonstrate project readiness, quality, feasibility, and cost effectiveness



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BUDGET PROPOSAL

Is the applicant a municipality group? Yes No
 If yes, please enter the request date or anticipated request date of RFP (Request for Proposals) _____.

PLANNING/ENGINEERING/DESIGN	Town CPF Request	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
Task 1-	\$-	\$-	\$-	\$- 0.00
Task 2-	\$-	\$-	\$-	\$- 0.00
Task 3-	\$-	\$-	\$-	\$- 0.00
Task 4-	\$-	\$-	\$-	\$- 0.00
Task 5-	\$-	\$-	\$-	\$- 0.00
Task 6-	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
Planning/Engineering/Design Cost Total	\$- 0.00	\$- 0.00	\$- 0.00	\$- 0.00

Contractual Services				
Tasks 6-9 (Exhibit Letter) Year 1	\$- 42,246.00	\$-	\$-	\$- 42,246.00
Tasks 6-9 (Exhibit Letter) Year 2	\$- 43,503.00	\$-	\$-	\$- 43,503.00
Tasks 6-9 (Exhibit Letter) Year 3	\$- 44,823.00	\$-	\$-	\$- 43,503.00
Tasks 6-9 (Exhibit Letter) Year 4	\$- 46,161.00	\$-	\$-	\$- 46,161.00
Tasks 6-9 (Exhibit Letter) Year 5	\$- 47,538.00	\$-	\$-	\$- 47,538.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
Contractual Services Cost Total	\$- 224,271.00	\$- 0.00	\$- 0.00	\$- 222,951.00

Construction & Site Improvements				
Inlet Management Long Dredge 1 time a year for 5 years with a 8.5% inflation rate(Exhibit B).	\$- 1,096,191.00	\$-	\$-	\$- 1,096,191.00
Inlet Management short Dredge several times a year for 5 years with a 8.5% inflation rate (Exhibit B).	\$- 387,831.12	\$-	\$-	\$- 387,831.12
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
	\$-	\$-	\$-	\$- 0.00
Construction & Site Improvements Cost Total	\$- 1,484,022.12	\$- 0.00	\$- 0.00	\$- 1,484,022.12



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APPLICANT'S INFORMATION

Owner: Board of Trustees for the Freeholders and Commonalty of the Town of Southampton
Contact First and Last Name: Trustee Ann Welker and Environmental Analyst James Duryea
Contact Address: 116 Hampton Road Southampton NY 11968
Contact Phone: 631-287-5717
Contact Email: awelker@southamptontownny.gov and jduryea@southamptontownny.gov

CONTRACT RECIPIANT INFORMATION

Name/Organization: Board of Trustees for the Freeholders and Commonalty of the Town of Southampton
Contact Person/Officer: Trustee Ann Welker and Environmental Analyst James Duryea
Contact Address: 116 Hampton Road Southampton NY 11968
Contact Phone: 631-287-5717
Contact Email: Awelker@southamptontownny.gov and jduryea@southamptontownny.gov

PROJECT INFORMATION

Project Title: Continuing Mecox Bay Water Quality Monitoring and Bay Inlet Management.
Project Location: Mecox Bay
Project Description (1-3 sentences):
Continuing Mecox Bay Water Quality Monitoring and Bay Inlet Management enhancing water quality in Mecox Bay.

ANTICIPATED PROJECT TIMELINE

Begin: Continuation
Complete: 2027
Notes:

ATTESTATION

Allocation of CPF funds will not be for the purpose of accommodating new growth, as this is prohibited by State law.

Check all boxes & sign.

- [X] We certify that funds will not be directed for projects for the purpose of accommodating new growth.
[X] We understand that progress reports will need to be generated as specified in our Water Quality Improvement Contract AND a final report showing qualitative and/or quantitative data will be generated upon project completion.

Signature: [Handwritten Signature] Date: 4/14/2022

2022 Mecox Management Narrative

2. Priority Areas

Periodic inlet opening and closure is crucial for the purposes of maintaining and enhancing water quality in Mecox Bay. Mecox Bay is not only recognized as a coastal resource of national and state wide significance, but lies within the Town of Southampton's CPF High Priority Water Quality Improvement Area, as depicted on the CPF Water Quality Improvement Project Plan Map for Bridgehampton (Exhibit A).

Taking in nearly 1,100 acres, Mecox Bay ranks as the largest of the back barrier ponds east of Shinnecock Bay. It is valued for its natural beauty and biodiversity and is one of Southampton's greatest assets. Blessed with a wide variety of aquatic and terrestrial habitats, the region is recognized as significant coastal fish and wildlife habitat by both the U.S. Fish and Wildlife Service (USFWS) and the New York State Department of State.

Notwithstanding its significance, Mecox Bay is under threat from a range of impacts, including, among others, water quality impairment, harmful algal blooms (HABs), historic loss of wetlands and naturally vegetated buffers, shoreline erosion, inundation of farmland, shore hardening, road construction, residential development, severe storms and climate change. The effects of sediments, nutrients, fertilizers, pesticides, septic effluent and storm water runoff are of particular concern, as these contaminants affect surface water quality, oxygen levels, algal blooms, the health of wetlands and natural habitats, biodiversity, recreational use, and the sustainability of commercial American oyster beds and other shellfish resources. Due to the threats to the Bay, the Town has included Mecox Bay in its High Priority Water Quality Improvement Zone.

In 2016, the New York State Department of Environmental Conservation (NYSDEC) removed Mecox Bay from the list of 303(d) impaired waterbodies requiring preparation of a Total Maximum Daily Load (TMDL) plan. However, the Bay is still classified as a 303(d) impaired waterbody.

For the better part of 50 years the Board of Trustees of the Freeholders and Commonalty of the Town of Southampton (herein "Board of Trustees" or "Trustees") have managed the opening and closing of the Mecox Inlet (also known as the Mecox Cut). The management of the inlet is to allow the bay to drain and to restore water levels close to the mean tide levels of the ocean and to flush bay water of contaminants and pathogens, increase dissolved oxygen levels, and to increase salinity to create brackish conditions favored by finfish, shellfish, certain wetland vegetation, and wetland dependent wildlife species.

The "Management Plan for Mecox Bay"

(<https://www.southamptontownny.gov/DocumentCenter/View/19274/Mecox-Bay-Management-Plan-October-2019-ADOPTED>), which has been reviewed by and has received support from the NYSDEC and the USFWS, establishes thresholds for channel opening and closing based upon peer reviewed scientific publications. The Trustees, are seeking funding to manage the inlet by periodically opening and closing the inlet, in accordance with these thresholds.

3.0 Project Description

Existing Conditions Narrative

Mecox Bay represents the largest coastal back barrier pond east of Shinnecock Bay. Nearly the entire margin of Mecox Bay is low-lying and includes mostly residentially developed land, active farmland and protected open space. As described by the "2. Priority Area" narrative above, Mecox Bay is under threat from a range of water quality impacts, which are largely being addressed by the opening and closure of the Inlet.

Project Narrative

The Trustees have managed the opening and closing of the Mecox Inlet for the better part of 50 years. The purpose of managing the inlet was to allow tidal flushing of contaminants and pathogens. This tidal flushing also creates brackish conditions which are favored by shellfish, and certain species of wetland flora and fauna.

With the aim of aligning inlet management with scientific principles, the Trustees worked with the NYSDEC and USFWS to prepare a management plan for Mecox Bay. This plan establishes water quality thresholds for the opening and closing of the inlet based upon peer reviewed scientific publications.

Based on the best science available, management of the inlet will restore salinity to levels favored by the American oyster and other shellfish, as well as other brackish wetland dependent flora and fauna; increase dissolved oxygen; increase water visibility; and will flush excessive nutrients, pathogens, and HABs from Mecox Bay.

Goals Narrative and Water Quality Benefit

The "Management Plan for Mecox Bay", which has been reviewed by and has received support from the NYSDEC and the US Fish and Wildlife Service, establishes thresholds for channel opening and closing. Periodic opening and closing of the inlet allows the bay to drain and to restore water levels close to the mean tide levels of the ocean and to flush bay water of contaminants and pathogens, increase dissolved oxygen levels and add salinity to create brackish conditions favored by shellfish, certain wetland vegetation, and wetland dependent wildlife species.

Management of the inlet, based upon criteria established by the plan will restore salinity to levels favored by American oyster and other shellfish, as well as other brackish wetland dependent flora and fauna; increase dissolved oxygen; increase water visibility; and will flush excessive nutrients, pathogens, and HABs from Mecox Bay.

5. Cost Factors

5a. Proposed Budget (Exhibit B)

Proposed budget for the short opening is based off of last year total of cut openings than projected with an 8.5% inflation increase per year. Trustees use H & L Contracting of the Suffolk County Contract for the past year and will continue for the remainder of the county contract.

The longer inlet management dredging is based off H & L Contracting quote (Exhibit B) of \$185,000 per year with an 8.5% inflation increase for each year.

Water Quality Monitoring and environmental observations will continue proposed by the School of Atmospheric Sciences of Stony Brook University (SoMAS- a New York State Agency) (Exhibit B).

5b. Matching Funds

NA

5c. Achieving intended benefits

The proposed project activities will occur over the next 5 years in sync with NYSDEC permit.

6. MANAGEMENT, EXPERIENCE, ABILITY

6a. Experience

Already previously approved by CPF funding (Exhibit C) the Trustees have been managing the Inlet openings based off of the Management Plan and the data collected by Stony Brook University real time water quality monitoring. The Board of Trustees, in coordination with Mr. James Duryea, Environmental Analyst, will provide oversight of the project. Mr. Duryea has served as the Trustee's Environmental Analyst since 2016. Mr. Duryea is responsible for completing the majority of the Trustee's environmental assessments and biological inventories.

6b. Community Support

Mecox Management Plan and 5 year DEC permit (Exhibit D) went through numerous public hearings before being adopted with tremendous community support.

6c. Permits needed

No permits needed. Over the past 6 years, the inlet has been opened and closed pursuant to NYSDEC emergency dredging permits. The Trustees have secured a 5 year maintenance dredging permit for the activities (Exhibit D).

7. Maintenance, Monitoring and Evaluation

Decisions with regard to the timing of the opening and/or closing of the Mecox inlet will be made based upon data obtained from real time water quality monitoring stations provided by Thomas Wilson at the School of Ocean and Atmospheric Science at Stony Brook University. Water quality data, which is collected in order to aid in decision-making with respect to management of the inlet, will be published to www.LIShore.org. the Trustee's webpage will provide a link to the data.

8. Duration of project

8a. Projected Project Timeline

Continuation of the last 2 years of managing Cut openings as well as water quality monitoring from Stony Brook University to avoid low salinity levels, low dissolved oxygen levels and HABs leading to potential fish and shellfish kills. Seeking 5 year approval and funding in sync with the NYSDEC 5 year permit.