

# VILLAGE OF SAG HARBOR



Kathleen Mulcahy, Mayor  
James L. Larocca, Trustee  
Aidan Corish, Trustee  
Beth M. Kamper, Clerk-Administrator

PO Box 660  
55 Main Street  
Sag Harbor, NY 11963-0015  
Tel: 631-725-0222 Fax: 631-725-0316

Thomas C. Gardella, Deputy Mayor  
Bob Plumb, Trustee  
Denise R. Schoen, Village Attorney

August 3, 2020

Janice Scherer, Town Planning and Development Administrator  
Town of Southampton  
c/o Department of Community Preservation  
24 W. Montauk Hwy  
Hampton Bays, NY 11946

Via email: [jfenlon@southamptontownny.gov](mailto:jfenlon@southamptontownny.gov)

**Re: CPF Proposal – Sag Harbor Village Sewer Master Plan**

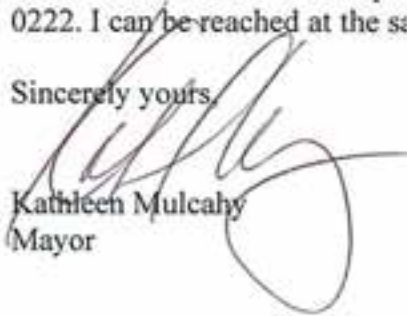
Dear Ms. Scherer,

On behalf of the Village of Sag Harbor, I am pleased to submit the enclosed grant application requesting Town CPF support for development of a Sewer Master Plan. This project will entail a comprehensive study of the Village's options for expanding its sewer system and sewer service area, with the goal of maximizing improvement of surface water quality.

To facilitate your review of the application, I have attached a list of key talking points. Overall, we believe that the Sewer Master Plan process is the best next step to optimize water quality improvement in the Village by leveraging excess capacity at our existing Sewage Treatment Plant.

Please let us know if you have any questions or if additional information would be helpful. Trustee Aidan Corish is the primary point of contact at [acorish@sagharborny.gov](mailto:acorish@sagharborny.gov) or 631-725-0222. I can be reached at the same number or via email at [kmulcahy@sagharborny.gov](mailto:kmulcahy@sagharborny.gov) or 631-

Sincerely yours,

  
Kathleen Mulcahy  
Mayor

## Sag Harbor Village Sewer Master Plan Project Overview

- **The Village's sewer treatment plant (STP) is operating with an excess capacity of approximately 100,000 gallons per day** which could allow for expanding the plant's service area to include an estimated additional 300 homes.
- **Less than 10% of the parcels within the Village are connected to the STP.** Most homes in the Village are not connected to the sewer system, which in general serves only the Village commercial district clustered around Main Street. These homes are by an large located within the Town of Southampton high priority area for nitrogen reduction.
- **Wastewater from on-site septic systems is the primary source of nitrogen in Sag Harbor and Sag Harbor Cove.** In its report released in February 2020, Stony Brook University School of Marine and Atmospheric Sciences identified nitrogen as the nutrient promoting algal growth and, in turn, rust tides, low water clarity, and low oxygen. Reduction of nitrogen inputs will mitigate these issues and benefit water quality in these impaired water bodies.
- **The Village is bounded on three sides by water.** Almost all of the homes in the Village use older septic systems, many consisting only of cesspools in areas of high ground water levels, high density, and are located close to water bodies where the nitrogen travel time to surface water is less than 2 years. Various studies report that the levels of nitrogen discharge from these systems is in the range of 65 - 85 mg/L of nitrogen. The Village STP is currently permitted for nitrogen discharge of up to 10 mg/L, but on average performs at a level of under 5 mg/L and as low as 2 mg/L. These are levels much lower than those provided by the new onsite I/A systems which sometimes struggle to meet their 19 mg/L requirement. Thus, expansion of the number of homes receiving sewer service is considered to be the preferred option in terms of the greatest amount of nitrogen reduction.
- **The main goal of the Sewer Master Plan will be to identify the best and most efficient use of the excess STP capacity to remove parcels from onsite systems in order to maximize nitrogen removal.** The study will also look at other options, such as water re-use, storm resiliency, and relocation, in order to present a comprehensive plan for future improvements and long-term sustainability.
- **The proposed Sewer Master Plan will build upon the findings of two prior studies of expansion options.** One was commissioned by Suffolk County in 2014 and another by the Village in 2018. Both explored different expansion options but, unlike the proposed study, they were not primarily focused on water quality. In addition, the Village of Sag Harbor Water Quality Improvement Plan (2016) and the scientific studies performed by Dr. Gobler of Stony Brook University's School of Marine and Atmospheric Sciences in 2018 and 2019 will also inform plan development.
- **The Sewer Master Plan will consider costs benefits of various wastewater infrastructure options to maximize nitrogen removal.** The prior STP capacity studies from 2014 and 2018

included detailed cost estimates of various sewer expansion options. These ranged from \$18,000 to \$55,000 per home hooked up, based on costs at the time of the studies, with the main differentiating factor being the distance of the homes from the STP and the distance between the individual homes. The average cost of approximately \$36,000 compares favorably with the cost of upgrading individual on-site systems. Additional advantages of sewer expansion vs. upgrading onsite systems include long term reliability, the ability to provide service in areas where individual upgrades are not possible due to density and/or high ground water, and the legal requirement that homes within the sewer service area must hook up to system.

- **This application requests CPF funding for 50% of the total estimated project cost.** The Village is proposing 50/50 sharing of costs between East Hampton and Southampton Town CPF based on an approximately equal distribution of population and number of homes between the portion of the Village in each town. Funds have been committed by East Hampton Town. The STP is located in East Hampton, while almost all of the current sewer service area is in Southampton.
- **Village contributions** to the project include funding the 2018 study of several sewer service expansion options, funding the Village of Sag Harbor Water Quality Improvement Plan in 2016 and partial funding of the Gobler water quality testing program covering 2018 and 2019. The water quality testing program is expected to be continued for 2020 with additional Village funding. The Village will manage the project and administer grant funds as an in-kind contribution.
- **There is strong community support for the project.** This is evident in news coverage, board presentations, and in the considerable fundraising efforts of the Sag Harbor Partnership, which provided grant funding for the Gobler report.
- **A qualified consultant has been selected to prepare the Plan.** The Village issued a request for proposals for this plan in 2019, received four proposals and selected Cameron Engineering after a qualifications-based review of the firms' credentials, experience, proposal strategy, and cost.
- **The Village is positioned to kick off the planning process in a timely manner.** With well-defined work scope in place and consultant selection complete, the goal is to have this planning study completed within a six-month timeframe. The report will enable the Village to transition into the next phase which will be detailed engineering report(s) for the option(s) selected, followed by applications for funding for the actual construction.
- **The goal of this project is to improve water quality, not promote or facilitate growth.** The Village as a whole is considered to be "built out" and the business district is already served by the STP. Village Law requires new construction and substantial reconstruction projects to use the new I/A low nitrogen systems. Thus, any areas of the Village where there could be new construction would be considered low priority areas for sewerage.



## 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](#) (see <http://www.southamptontownny.gov/DocumentCenter/View/7318>)

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: 7-full sets of plans and one digital submission is required for each application.**

A Public Hearing and Town Board Resolution will be required for individual or multiple projects in excess of \$50,000.

### WATER QUALITY IMPROVEMENT PROJECT MEANS:

#### [1] 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.



**WATER QUALITY IMPROVEMENT PROGRAM**  
**PROPOSAL SUMMARY**

Project Applicant: \_\_\_\_\_

Project Title: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Name	
Title	
Organization	
Address	
Phone	
Email	

**Property Owner (if different from Project Manager organization):**

Name	
Affiliation	
Mailing Address	
Phone	
Email	

**Project Location**

Address	
SCTM#(s)	

**Type of Project (check all that apply):**

- Reduction
- Remediation
- Restoration

**Project Summary: (add text 2-3 Sentences only)**

\_\_\_\_\_

\_\_\_\_\_

coastal waters, specifically nitrogen reduction, while maintaining Village character (see Attachment 1).



# TOWN OF SOUTHAMPTON

CP13107 (rev 01/2019)

Department of Community Preservation  
24 W Montauk Hwy, Hampton Bays, NY 11946  
Ph: 631-287-5720 Fx: 631-728-1920  
WWW.SOUTHAMPTONTOWNNY.GOV/CPF

## 1. PROJECT TYPE

Must meet at least one of the definitions of “Water Quality Improvement Project” per State Law Chapter 551 cited above. Check all that apply.

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

**Note: Monitoring costs are only potentially eligible for CPF funding within Aquatic habitat restoration projects.**

## 2. PRIORITY AREA(S)

Priority areas are defined in the Water Quality Improvement Project Plan (WQIPP).

- High
- 303(d) Impaired
- 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).**

**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.**

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



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### 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).

### 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                      |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <b>If stormwater system or drainage is proposed:</b> The project must indicate compliance with the New York State Stormwater Design Manual (2015 and as updated).   |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>If project is related to farmland:</b> Describe any Agricultural Stewardship Plan or other long term strategy for Nitrogen abatement.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>If the project is for habitat restoration:</b> The narrative must address how underlying causes are being ameliorated and expected outcomes for local species populations or other ecological considerations are given.  |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>If project is a Sewage Treatment Plant (STP) or cluster treatment system:</b> 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. |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>If the project is requesting grant match for the Peconic Estuary Program:</b> 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.  |



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### **4. WATER QUALITY BENEFIT**

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

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

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

### **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.**

**5b. Describe any matching funds to be provided.**

**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.**



## 6. MANAGEMENT, EXPERIENCE, ABILITY

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

See Attachment 1.

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

See Attachment 1.

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

See Attachment 1.

## 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 Attachment 1.

## 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 Attachment 1.

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

N/A

## 9. ATTESTATION

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



Check box to certify that funds will not be directed for projects for the purpose of accommodating new growth.

Signature: \_\_\_\_\_

Date

8/3/2020



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### 10. 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) <http://it.tetrattech.com/steplweb/> 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

### 11. 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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**COMMUNITY PRESERVATION FUND (CPF)**  
**WATER QUALITY IMPROVEMENT PROGRAM**  
**BUDGET PROPOSAL**

PLANNING/ENGINEERING/DESIGN	Town CPF Re- quest	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
<b>In-house labor (provide separate sheet with calculations)</b>				
Task 1-	\$-	\$-	\$-	\$-
Task 2-	\$-	\$-	\$-	\$-
Task 3-	\$-	\$-	\$-	\$-
Task 4-	\$-	\$-	\$-	\$-
Task 5-	\$-	\$-	\$-	\$-
Task 6-	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
<b>In House Labor Total</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>

Materials/Supplies				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
<b>Materials/Supplies Total</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>

Contractual Services				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
<b>Contractual Services Total</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>



CONSTRUCTION AND SITE IMPROVEMENTS	Town CPF Request	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
<b>In-house labor (provide separate sheet with calculations)</b>				
Task 1-	\$-	\$-	\$-	\$-
Task 2-	\$-	\$-	\$-	\$-
Task 3-	\$-	\$-	\$-	\$-
Task 4-	\$-	\$-	\$-	\$-
Task 5-	\$-	\$-	\$-	\$-
Task 6-	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
<b>In House Labor Total</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>

Equipment/Materials/Supplies				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
<b>Equipment/Materials/Supplies Total</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>

Contractual Services				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
<b>Contractual Services Total</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>

<b>ENGINEERING TOTAL</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>	<b>\$-</b>
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<b>Total Project Cost</b>	<del>\$XXXXXX</del>
<b>Total CPF Funds Requested</b>	\$-

\$144,800 Total project cost  
 \$72,400 Total CPF funds requested

<b>Applicant matching funds committed</b>	\$-
<b>Applicant matching funds pending approval (e.g. grant request submitted pending determination)</b>	\$-

\$72,400 Matching funds committed

Source of matching funds	Amount

**Village of Sag Harbor  
Town of Southampton Community Preservation Fund  
Sewer Master Plan**

**Attachment 1  
Expanded Narratives**

**PROPOSAL SUMMARY**

The Village of Sag Harbor will retain a qualified consultant to develop a Sewer Master Plan (Master Plan) that will provide the data, information, rationale, cost and recommendations of where and how to best either expand the existing Village Sewer Service Areas or create a new Sewer Service Area(s). The Master Plan will consider and focus on the environmental benefits of additional sewerage within the Village, with a focus on nitrogen reduction, while maintaining the existing social and economic conditions within the Village. CPF funding support is requested to offset 50% of consultant costs.

**ITEM 3. PROJECT DESCRIPTION**

**3a. Existing conditions of applicable groundwater/sub-watershed/waterbody and most recent and relevant data available.**

**Water quality**

In February 2020, Dr. Christopher Gobler of the Stony Brook University School of Marine and Atmospheric Sciences (SOMAS) released the findings of a comprehensive, two-year study of Sag Harbor's coastal waters in a report titled, *Assessment of Water Quality in Marine Waters Surrounding Sag Harbor Village, 2018-2019*.<sup>1</sup> The study's objectives were:

1. To assess water quality across Sag Harbor and Sag Harbor Cove,
2. To identify causes of water quality impairment, and
3. To identify managerial actions that could be taken to improve water quality.

Assessment of water quality occurred over annual cycles in 2018 and 2019, during which a series of parameters central to the functioning of Sag Harbor were carefully monitored. Following the completion of analytic processes, Dr. Gobler identified significant concerns around nitrogen loading by onsite septic systems and the related impacts on surface water quality.

The findings are summarized as follows:

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<sup>1</sup>Available at:

[https://www.sagharborpartnership.org/uploads/1/0/4/2/104256339/sag\\_harbor\\_2019\\_draft\\_final\\_report.pdf](https://www.sagharborpartnership.org/uploads/1/0/4/2/104256339/sag_harbor_2019_draft_final_report.pdf)

- **Multiple water quality impairments were observed; Nitrogen, low oxygen, reduced water clarity, algal blooms, rust tides, and pathogenic bacteria were all detected at levels exceeding state and federal guidance values.**
  - Hypoxia (dissolved oxygen < 3 mg L<sup>-1</sup>) and anoxia (<0.5 mg L<sup>-1</sup>) were observed both years in Upper Sag Harbor Cove, and, to a lesser extent, within Sag Harbor Cove and the inner harbor.
  - Water clarity at most stations was < 2 meters during summer and sometimes < 1 meter within Upper Sag Harbor Cove.
  - Levels of algae (chlorophyll *a*) were always above the EPA ideal value of 5 µg L<sup>-1</sup> and at times exceeded the maximal guidance value of 20 µg L<sup>-1</sup> in Upper Sag Harbor Cove and Otter Pond. While levels of harmful algal blooms caused by *Alexandrium* and *Dinophysis* never rose to a level of concern either year, high levels of the ichthyotoxic rust tide algae, *Cochlodinium*, were detected both years in Upper Sag Harbor Cove and in the inner harbor in 2019.
  - The Peconic Estuary has a target total N level of 0.4 mg L<sup>-1</sup> and this level was occasionally exceeded in Otter Pond, the inner harbor, and at Haven’s Beach.
  - Experiments performed during both summers demonstrated that nitrogen was clearly the element promoting the growth of algae in Sag Harbor Cove and Upper Sag Harbor Cove.
  - Levels of fecal coliform bacteria exceeded guidance values for shellfishing on occasion in Otter Pond, the inner harbor, and at Haven’s Beach, with the latter location being open to shellfishing. Human waste was the primary source of fecal bacteria to the inner harbor, but further study is needed to affirm the source of fecal contamination in the inner harbor (e.g. vessel discharges or onsite septic systems).
  
- **Nitrogen was the nutrient promoting algal growth and, in turn, rust tides, low water clarity, and low oxygen.**
  - Given the ability of N to increase phytoplankton biomass, the exceedance of guidance values for total N, algae, and water clarity, and the occurrences of harmful rust tides that are promoted by excessive N, reductions in N loading across the region are warranted.
  
- **Wastewater from on-site septic systems was the primary source of nitrogen in Sag Harbor and Sag Harbor Cove (See Figure 1).**
  - Nitrogen loading analyses indicated that septic tanks and cesspools were the strongest source of N for both the Cove and the Harbor, representing 70% and 90% of the total load, respectively.
  
- **Upgrading septic systems and/or connecting homes to the sewage treatment plant will reduce the incidence of rust tide, algal blooms, and hypoxia while improving water clarity.**
  - The report noted that nitrogen discharge from the Village’s existing wastewater treatment plant (<5 Mg/L), is better than any approved onsite septic system.

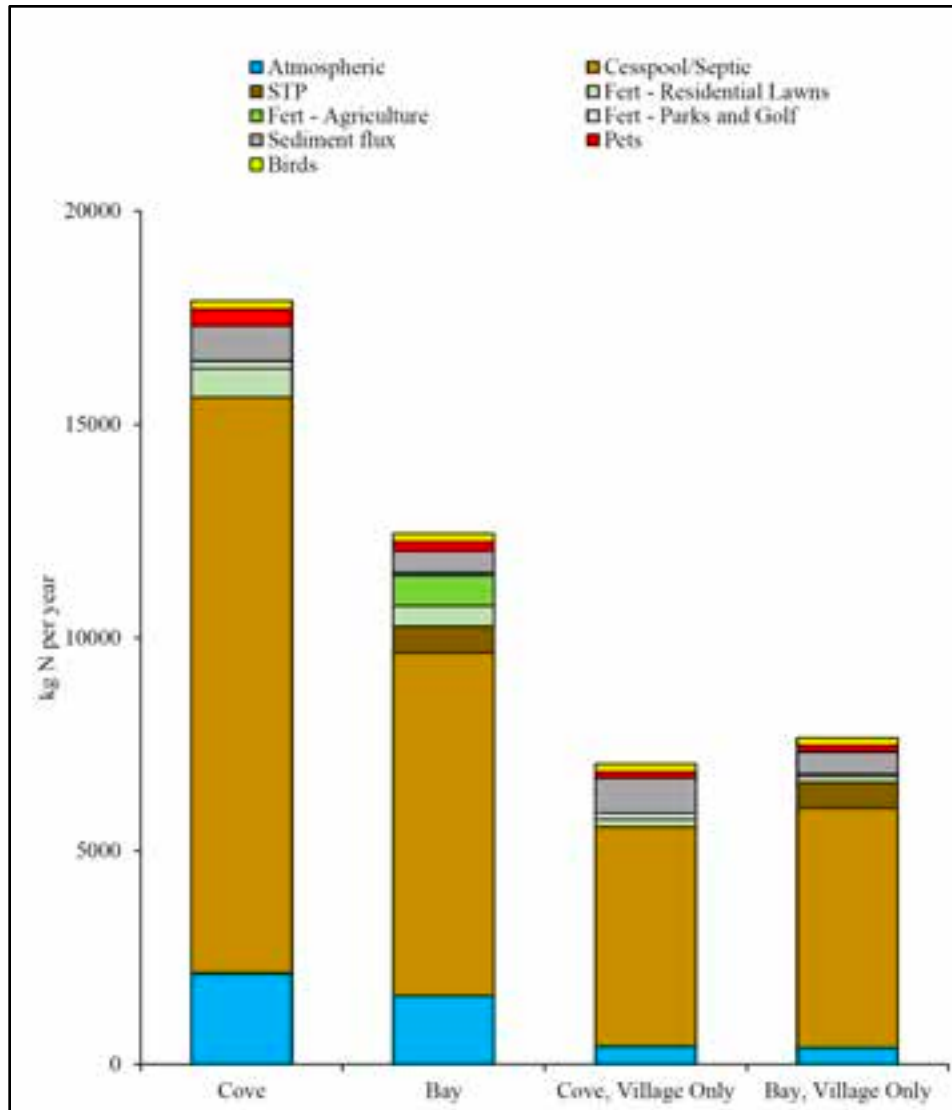


Figure 1. Estimated nitrogen loads (kg N per year) to Sag Harbor, NY during 2019. Source: Gobler, 2020

A photograph of existing conditions is shown in **Figure 2**.

The Village of Sag Harbor *Water Quality Improvement Project Plan* (WQIPP) was completed for the Village by the firm Nelson, Pope & Voorhis (NPV) in August 2016.<sup>2</sup> The report indicates that:

- Stormwater and other pollutants associated with onsite septic systems have increased as the Village and neighboring areas have developed and matured (see attached map titled Priority Waterbodies List).

<sup>2</sup> Available at: <http://sagharborny.gov/DocumentCenter/View/136/2016-Water-Quality-Improvement-Plan-PDF?bidId=>

- The NYSDEC has imposed MS4 pathogens TMDL load reductions, which calls for a 50% reduction in pathogens from municipal storm sewer system discharges to Sag Harbor (MS4 Pathogens TMDL Retrofit Area).<sup>3</sup>
- Due to historic settlement patterns, many Village lots do not conform with current lot size and overall density requirements recognized today as being necessary for groundwater and surface water protection. With many small developed lots in proximity to TMDL waterbodies and in high groundwater areas (see attached Depth to Water Table map), it is likely that on-site sanitary treatment systems are contributing to local water quality impairments (See attached Lot Size Map).
- The Village of Sag Harbor's lowest topographic elevations occur along its extensive shorelines and northeastern boundary, where shallow depth to groundwater is also evident. Greater than 50% of the Village lies within the 0-2 year groundwater contributing area to local surface waterbodies.
- The Village is prone to flooding during severe rain events and it sustained extensive long-term damage as the result of Superstorm Sandy in 2012 (See FEMA Map and SLOSH maps). The STP is located within a flood zone.



*Fig. 2. Sag Harbor (foreground) and Sag Harbor Cove (top). Source: SOMAS*

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<sup>3</sup> Retrofit Program Plan Guidance Document For Pathogen Impaired Watershed MS4s on Long Island (2013). NYSDEC. Available at: [https://www.dec.ny.gov/docs/water\\_pdf/rppgdpiwms4li.pdf](https://www.dec.ny.gov/docs/water_pdf/rppgdpiwms4li.pdf)

The WQIPP presented a variety of conceptual water quality improvement projects designed to address NYSDEC MS4 TMDL regulatory requirements and to reduce, remediate and restore the health of shared Town and Village water resources in the Sag Harbor watershed. Two recommendations were presented for wastewater treatment with the intention that the concepts will be refined as ongoing evaluation of the means to achieve optimal water quality improvement progresses. These concepts are:

- **On-site Sanitary Wastewater Treatment Upgrades:** provide support to property owners in priority areas of the Village for septic system and cesspool upgrades and potential alternative system installations.
  - Highest priority areas for sewerage include developed, unsewered parcels within Groundwater Management Zone IV (See attached High Priority Parcels map).
- **Potential Expansion of Sag Harbor Wastewater Treatment Facility District:** conduct feasibility study to determine to advisability of extending the area served by the Village wastewater treatment facility, which is operating below capacity.
  - A feasibility study would be appropriate to finalize priority areas, determine wastewater flows, provide a basis for expansion areas, and to outline the process and permits needed to implement the expansion.

### **Sag Harbor Village Sewage Treatment Plant**

The Village has a somewhat unique designation of properties that is different from other municipalities for its sewerage system. All properties inside the Village of Sag Harbor municipal boundary are within its sewer district, which encompasses the entire Village. The district is defined in Village code as its “sewerage system.”<sup>4</sup> Only those properties that are within the sewer “service area,” have the ability and are required to connect to the Sewage Treatment Plant (STP). See **Figure 3**. Presently, less than 10% of the parcels within the Village are connected. The remaining parcels in the sewer district are considered to be in the “non-service areas,” which are serviced by private on-site wastewater treatment systems.

The Village of Sag Harbor’s STP has a design capacity of 0.25 million gallons per day (MGD). While the peak monthly average is well below this volume, the WWTP can see a daily peak flow approaching 150,000 gpd in the busy summer months of June through September. This leaves approximately 100,000 gpd of excess capacity.

Lab tests performed by Long Island Analytical Laboratories, Inc. for the Village in February 2020 determined that the STP effluent is of high quality. The nitrogen measurement was 1.96 Mg/L. By contrast, the STP is licensed at 10 Mg/L, our local groundwater is 4-4.5 Mg/L, and I/A systems are permitted at 19.00 Mg/L. Further, the fecal coliform count was less than 1.0 MPN/100 ml (1.0 the smallest measurement).<sup>5</sup>

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<sup>4</sup> Village Code §220-1.2 defines the wastewater collection and treatment system as a “sewerage system.”

<sup>5</sup> Long Island Analytical Laboratories, Inc. February 25, 2020. Available upon request.

## Other studies

Additional studies documenting surface water quality, planning, sewer capacity and sewer options provide data that will inform and support future water quality efforts in the Village. These are:

- Local Waterfront Revitalization Program. Adopted 1986 and amended 2006. Currently undergoing update with draft anticipated to be submitted to NYS Department of State in the fall of 2020.
- “Planning Strategies for the Village of Sag Harbor”, Interscience Research Associates Environmental Planning & Development Consulting, 2008.
- “Sewer Capacity Study, Sag Harbor,” Cameron Engineering, May 2014. This was part of a larger Suffolk County study for extension of existing sewer districts within the County.
- “Engineering Report, Village of Sag Harbor Wastewater Treatment Plant, Plant Capacity for Future Expansion of Sewer District”, Dietrich Engineering, P.C., June 2018.
- “Triennial Review of Coliform Data, Shelter Island Sound-South, Shellfish Land Number 18S, Towns of Southampton, East Hampton and Shelter Island, 2013-2017”, NYSDEC, Shellfish Growing Classification Unit, June 2018.
- “Suffolk County Subwatersheds Wastewater Management Plan”, Camp, Dresser & McKee, February 2020.
- Other documents and reports of the DEC and Peconic Estuary Program (PEP) pertaining to water quality testing and classification of impaired water bodies.
  - Sag Harbor and Sag Harbor Cove is listed as an Impaired waterbody in the NYSDEC Priority Waterbody List.<sup>6</sup> The waterbody is impaired for shellfishing, and stressed for public bathing and recreation. Known pollutants are pathogens, algal/plant growth, and nutrients (nitrogen). The PWL listing was last revised 1/4/2016, and lists urban/storm runoff as a known source of pollutants, and onsite septic systems as a suspected source. Dr. Gobler’s 2020 report has since confirmed the role of onsite systems in contributing nitrogen to surface waters.
  - Sag Harbor and Sag Harbor Cove was among the waterbodies covered by the Peconic Estuary Pathogen TMDL to address shellfishing impairments that was established in 2007.
  - Sag Harbor and Sag Harbor Cove is included within the PEP study area. The PEP Comprehensive Conservation and Management Plan<sup>7</sup> identifies high levels of nutrients, particularly nitrogen, as a contributing factor to observed water quality problems in the estuary.

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<sup>6</sup> Available at [https://www.dec.ny.gov/docs/water\\_pdf/wiatllissisgb.pdf](https://www.dec.ny.gov/docs/water_pdf/wiatllissisgb.pdf)

<sup>7</sup> Summary document available at [https://www.peconicestuary.org/wp-content/uploads/2017/05/CCMP\\_Summary.pdf](https://www.peconicestuary.org/wp-content/uploads/2017/05/CCMP_Summary.pdf)



**Sag Harbor Sewer Service Area Detail**



*Figure 3. Sag Harbor Sewer Service Area and Village Boundary*

**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.**

The 2020 Gobler study concluded that wastewater from on-site septic systems is the primary source of nitrogen in Sag Harbor and Sag Harbor Cove. The report also determined that upgrading septic systems and/or connecting homes to the STP will reduce nitrogen inputs to these waterbodies, thereby improving water quality (specifically, reducing the incidence of rust tide, algal blooms, and hypoxia while improving water clarity). The proposed project to prepare a Sewer Master Plan will build upon Dr. Gobler’s recommendations as well as those contained in the 2016 Water Quality Improvement Project Plan.

**Project description:** The Village has retained a qualified consultant to prepare a Sewer Master Plan that will provide a comprehensive road map for managing its wastewater now and into the future. As described in the attached Request for Proposals and awarded bid, the consultant will evaluate and propose the best options for expansion of its sewer service areas, considering the Sewage Treatment Plant’s existing excess capacity of 100,000 gallons per day, and present best options for the expansion of the capacity by technological upgrades. The key consideration is to achieve the greatest environmental improvement by the reduction of nitrogen and other pollutants in relation to overall cost. The Plan will also identify those areas of the Village where there would be limitations on the use of Innovative and Alternative (I/A) residential wastewater treatment systems either due to lot size, distance to groundwater, or other limiting factors.

See application attachments for further detail.

**3c. Describe proposed technology and its demonstrated efficacy in similar settings (may include published data).**

The proposed project is a planning effort, not a specific technology. The final Sewer Master Plan will provide recommendations for short-term and long-term improvements that are expected to encompass options for sewage related infrastructure whether it is for collection and transport, or for treatment. Treatment options could encompass use of Innovative/Alternative systems in locations that are not expected to be sewered for some time or at all; new treatment technology to increase capacity of the Sewage Treatment Plant; effluent reuse; and related uses. The study will also address hazard mitigation concerns, including flood resiliency.

**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, etc.)**

**Town of Southampton Water Quality Improvement Project Plan (2016)**

The plan indicates that:

- The highest concentration of nitrogen from septic systems to the Peconic Estuary originates primarily from Sag Harbor, Riverhead and Montauk (p. 29).
- The primary source of pollution to the Town’s waters originates from onsite cesspool and septic systems, and that the bulk of the Town’s attention at the onset of the CPF funding program will be focused on reducing those loads (p.20).

- All Village coastline that lies within the Town of Southampton is situated in a high priority area, as shown on the attached map. The high priority area includes substantial portions of the areas that are targeted for sewer service expansion.

**Suffolk County Comprehensive Water Resources Management Plan<sup>8</sup>:** The plan identifies Sag Harbor Cove and Connected Creeks as Wastewater Management Area 10 (page 6-10) and determines that the area is a wastewater management Priority Rank 2 area with an overall water quality improvement goal of 81%. This goal is defined in the report as follows: “The Overall Water Quality Improvement Goal is based on the reference water body approach for marine and mixed waters and EPA guidance value for freshwater.” Page 6-19 states that residential neighborhoods surrounding Sag Harbor Cove “scored in favor of sewerage due to their proximity to the existing STP and the ecological rank of Priority Rank 1. In addition, Sag Harbor Cove is identified as potentially requiring nitrogen load reductions above the reduction that could be achieved through the use of I/A OWTS alone to meet water quality goals. The proposed project is directly supportive of these findings by advancing efforts to connect the targeted neighborhoods to the STP.

**Long Island Nitrogen Action Plan (LINAP)<sup>9</sup>:** Goal 4.a.a is to develop “action plans which contain near term actions that will reduce nitrogen pollution to groundwater and surface waters.” The proposed project is directly supportive of this goal as it will provide a Sewer Master Plan that will lead to implementation of wastewater system improvements that will reduce nitrogen pollution to groundwater and surface waters. (Page 7.)

**Peconic Estuary Program (PEP) Comprehensive Management Plan<sup>10</sup>:** Goal 4 of the Nutrients Management Plan calls for implementation of a “water quality preservation policy in eastern estuary waters to prevent degradation which could adversely impact the high quality of those surface waters.” The proposed project is directly supportive of this goal as it will provide a Sewer Master Plan that will lead to implementation of wastewater system improvements that will reduce nitrogen pollution to the estuary. (Page 3-1.)

**Sag Harbor Village Water Quality Improvement Plan (WQIPP)<sup>2</sup>:** As previously noted, the proposed project is supported by the following WQIPP recommendations:

- On-site Sanitary Wastewater Treatment Upgrades: provide support to property owners in priority areas of the Village for septic system and cesspool upgrades and potential alternative system installations; and
- Potential Expansion of Sag Harbor Wastewater Treatment Facility District: conduct feasibility study to determine to advisability of extending the area served by the Village wastewater treatment facility, which is operating below capacity. (Page 6.)

**Town of East Hampton Water Quality Improvement Plan (2017):** A portion of the Village lies within the boundary of the Town of East Hampton. The Town’s Water Quality Improvement

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<sup>8</sup> Available at: <https://suffolkcountyny.gov/Portals/0/formsdocs/planning/CEQ/2020/RevisedComplete%20SWP2-21-20.pdf>

<sup>9</sup> Available at: [https://www.dec.ny.gov/docs/water\\_pdf/linapscope.pdf](https://www.dec.ny.gov/docs/water_pdf/linapscope.pdf)

<sup>10</sup> Available at: <https://www.peconicestuary.org/protect-the-peconic/ccmp/>

Plan contains a watershed study for the Village of Sag Harbor shoreline. Recommendations for Sag Harbor include:

- Residential cesspool and septic system upgrades to systems with nutrient removal.
- Conduct feasibility testing to determine the feasibility of extending the area served by the wastewater treatment facility to include nearby businesses with high wastewater flows on small parcels and/or with shallow depth to groundwater. (Page 42)

The proposed project is directly responsive to this plan, as it will holistically consider residential system upgrades as well as STP expansion.

**3e. 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 preexisting 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.**

The Village of Sag Harbor’s wastewater treatment plant (WWTP) has a design capacity of 0.25 million gallons per day (MGD). While the peak monthly average is well below this volume, the WWTP can see a daily peak flow approaching 150,000 gpd in the busy summer months of June through September. This leaves approximately 100,000 gpd of excess capacity, which is estimated to be sufficient to treat 300 homes. The plant utilizes a sequential batch reactor, which processes the influent using an ultra-violet light system to kill the bacteria prior to outflow.

**Figure 4** depicts the collection system. **Figure 5** provides an aerial view of the plant.



*Figure 4. Sag Harbor Sewer Service Area Collection System*



Figure 5. Wastewater Treatment Plant

**Background:** The Village of Sag Harbor with a population of approximately 2,274 (2016 census), operates and maintains a sewerage system comprised of sewage collection piping, manholes, and a tertiary wastewater treatment facility (WWTF). The boundaries of the sewerage system encompass the entire legal boundaries of the Village (2.32 square miles). The sewerage system includes all of the properties within the Village whether they are served by sewers or have private On-Site Wastewater Treatment System (OWTS). Presently only a portion (downtown commercial area) of the Village is sewered. There are a total of seven (7) Service Areas (SAs) where sewage collection and treatment infrastructure is located. The Service Areas (SAs) are located predominantly in the downtown commercial and business area with limited residential parcels. A map of the Sewerage System (Village boundaries) and Service Areas is provided in the application attachments.

The Village's WWTF has a design capacity of 250,000 gallons per day and is operated under the provisions and effluent limitations of a New York State Department of Environmental Conservation (NYSDEC) State Pollution Discharge Elimination System (SPDES) permit (NY0028908). The WWTF sees seasonality in flow with peak days during the summer high season seeing flows in the range of 110,000-150,000 gallons per day. The WWTF discharges

through an outfall located at the bulkhead of the WWTF site. There is interest in evaluating the expansion of the existing Service Areas and or the creation of a new Service Area(s) to take advantage of this excess capacity.

The Village has retained a qualified consultant to prepare a Sewer Master Plan that will provide the data, information, rationale, cost and recommendations of where and how to best to either expand the existing sewer Service Areas or create a new Sewer Service Area(s). The Master Plan will consider and focus on the environmental benefits of additional sewerage within the Village, while maintaining the existing social and economic conditions within the Village. The Master Plan will discuss the legal and administrative requirements for expanding or creating new sewer Service Area(s) as well as identify the cost considerations including engineering, administrative, legal, financing, construction and operations and maintenance (O&M) associated with expansion of the existing sewer infrastructure or for providing new sewer infrastructure. Additional considerations include options for effluent reuse and improving wastewater treatment in currently non-sewered areas.

**Scope of Work:** Technical Specifications for completion of the Sewer Master Plan are as follows:

Prepare Sewer Master Plan Report including:

- Executive Summary
- Introduction
- Existing sewer codes and regulations
- Work Plan
- Project Findings
- Technical Information
- Regulatory and Permitting Considerations
- Legal Considerations
- Schedule for Plan Implementation
- Cost Considerations
- Conclusions and Recommendations

Tasks to be undertaken in development of the Master Plan report will include:

- Project administration: Kickoff, progress meetings, presentations to Village Board
- Review and summary of existing reports, studies, and plans, etc. for use as baseline conditions within the Village.
- Build out scenarios, including the following:
  - Existing Service Areas based on current zoning to determine any potential increase in sewage flow from “as of right” development. This build out should be based on current uses and classifications within the existing Service Areas.
  - Potential areas of where the existing Service Area could be expanded to include additional parcels in proximity to the existing Service Areas.
  - Areas outside of the existing Service Areas that could be sewerage with the sewage being conveyed into an existing Service Area.
- Regulatory and permit considerations, along with the potential for future restrictions or changes to effluent limitations at the WWTF and potential conditions allowing for

effluent reuse. Discussion of design standards (NYSDEC, SCDHS, Ten State Standards) and O&M requirements (staffing, utilities, sludge, chemicals, etc.).

- Discussion on the current STP outfall location and potential benefits and costs associated with its relocation.
- Evaluate and identify areas within the Village where expansion of an existing Service Area or creation of a new Service Area can provide a significant environmental benefit while maintaining the vibrant social and economic fabric of the Village.
- Explore both conventional and innovative approaches and technologies.
- Legal considerations including both Village and State laws (ie. Article 5-A of New York State County Law, Village Law (Village Sewer Code) and Part 85 of NYS Comptroller's Office; and discussion of the procedural steps to implement an expansion of the Village's Service Areas or creation of a new Service Area(s).
- Financial cost analysis for expanding or creating a new Service Area with projections of potential user fees based on current fee methodology used by the Village. Projected capital and O&M costs for an expansion of an existing or creation of a new Service Area(s) will be developed as part of this task.
- Schedule for all tasks associated with a typical sewerage and WWTF upgrade project, to include phases for studies, planning, engineering design, SEQRA, permitting, financing, construction and start up of new conveyance and treatment systems.
- Cost estimates. As there may be several options for providing sewers, the report will clearly identify costs for each option. Typical costs for various technologies (ie. Gravity, Low Pressure, I/A, etc.) will be presented.
- Potential financing alternatives and grant opportunities
- Environmental/SEQRA
- Hazard Mitigation

The attached RFP provides full specifications, and the selected consultant's proposal provides a detailed plan of work.

Deliverables of this study will position the Village to proceed with grant seeking to identify funding sources to support engineering and design of the recommended wastewater infrastructure improvements.

#### **4. WATER QUALITY BENEFIT**

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

POC is Nitrogen.

No systems are being proposed at this time. However, several methodologies are provided below to estimate potential nitrogen removal values.

We have confirmed with the Suffolk County Department of Health Services I/A group that it is acceptable to use 65 mg/L for the concentration of Nitrogen from onsite wastewater treatment systems (OWTS). The methods are as follows:

## METHOD A.

1. Every gallon of wastewater from an OWTS directed to the Village's STP will swap 65 mg/l for 10 mg/L total Nitrogen
2. Every Single Family Equivalent (SFE) equal to 300 gallons per day generates 0.16 lbs. per day of N or 59.4 lbs. per year (per home)
3. Every SFE connected to the STP would generate approximately 0.02 lbs. per day of N or 9.13 lbs. per year
4. Every SFE connected therefore results in a reduction of 49.87 lbs. per year per SFE (per home).
5. If the Village connects 300 homes (90,000 gallons) this would result in total of **14,961 lbs N per year reduction**

## METHOD B.

1. Assume 100,000 gallons per day of excess capacity at STP
2. 100,000 gallons of OWTS that gets connected results in:  $0.1 \times (65-10) \times 8.34 = 45.87$  lbs N reduction per day
3.  $45.87 \times 365$  days = **16,742.6 lbs N per year reduction**

A third method is to contrast the STP to onsite I/A systems. If a SFE (home) installs an I/A system, the amount of N reduction is 0.12 lbs. per day = 42 lbs. per year (or nearly 8 lbs. less than a STP).

Both methods A and B show significant reduction of N by connecting homes to the STP. A caveat is that Method A assumes all houses are lived in year round, not seasonally. The Master Plan will incorporate considerations relating to seasonality.

## SECTION 5. COST FACTORS

**5a. Explain how you have confirmed that the proposed budget is reasonable, appropriate, and necessary. If available, please provide any and all estimates or documentation of how costs were determined.** In October 2019, the Village of Sag Harbor released a Request for Proposals to solicit bids from qualified consultants to prepare the Sewer Master Plan. Proposals were reviewed by a committee of Village representatives with consideration given to qualifications, past experience, familiarity with the Village, and cost. Following detailed review and interviews with short listed candidates, the most responsive bidder was selected. The Village has determined based on this review that the cost proposal submitted by the selected bidder, Cameron Engineering, is reasonable, appropriate and necessary to accomplish the required scope of work. The grant budget is based on the awarded bid. The Village's RFP, the consultant's proposal, and the resolution awarding the bid are attached.

**5b. Describe any matching funds to be provided.**

The Town of East Hampton has committed \$72,400 toward the cost of this project. The Village is seeking a matching contribution from the Southampton Town CPF Water Quality program.

Village contributions to the project which are not reflected in the grant budget include:

- In-kind staff resources for project management and administration; and
- \$7,500 to continue water quality monitoring to be performed by SOMAS in 2020.

In addition, the Village has recently self-funded studies that will inform development of the Sewer Master Plan. These include the 2018 study of several sewer service expansion options, prepared by Dietrich Engineering (\$10,455). The Village partially funded the two-year water quality and testing study performed by Dr. Christopher Gobler of SOMAS (\$12,500). The full cost of the study was approximately \$70,000, with the majority of funds provided by community fundraising efforts led by the Sag Harbor Partnership. Whereas The Sag Harbor Partnership have contributed generously to every round of water testing the effort has always been led by Mary Ann Eddy, Chairperson of the Village’s Harbor Committee.

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

The Village has advanced its efforts to the extent that financial resources allow, and cannot proceed with the Sewer Master Plan without external funding support. As noted above, the Village provided partial funding for the SOMAS study and self-funded the previous STP capacity studies. It also plans to support additional water quality monitoring in 2020. However, the Village budget cannot support the cost of the Sewer Master Plan.

If funds are awarded at a lower level than requested, the Village will continue to seek other sources of funding to make up the shortfall, though this may affect the project timeline. While East Hampton has provided funding approval for 50% of the project cost, full funding is needed. Should the Sewer Master Plan not be fully funded, the completeness of the analyses, alternatives and cost considerations may be lacking in sufficient depth necessary to fully develop the recommendations needed to move to the next step.

Typically, Suffolk County Water Quality grants and NYS Regional Economic Development Council (REDC) funding programs follow an extended timeline due to annual funding cycles and lengthy contracting procedures. The 2020 REDC is yet to be announced, and may not occur due to budget shortfalls relating to the COVID pandemic. Future County funding is also uncertain due to the budgetary impacts of COVID.

The Village is well positioned to avoid cost overruns. Its Sewer Committee has researched project costs through a competitive bid process and has based the grant budget on the value of the winning bidder’s cost proposal. We have proposed the most accurate, reasonable cost

estimate possible. The consultant contract will outline clear deliverables and performance expectations, with payments tied to completion of deliverables.

With regard to future projects for detailed engineering and construction, the Village is actively investigating strategies for a diversity of funding streams.

## **6. MANAGEMENT, EXPERIENCE, ABILITY**

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

The Village has completed a number of planning studies, including but not limited to:

- Local Waterfront Revitalization Program. Adopted 1986 and amended 2006. Currently undergoing update with draft anticipated to be submitted to NYS Department of State in the fall of 2020.
- "Planning Strategies for the Village of Sag Harbor." Interscience Research Associates Environmental Planning & Development Consulting, 2008.
- Water Quality Improvement Project Plan. Nelson Pope & Voorhis, 2016.
- "Engineering Report, Village of Sag Harbor Wastewater Treatment Plant, Plant Capacity for Future Expansion of Sewer District." Dietrich Engineering, P.C., June 2018.

The Village will oversee delivery of the funded scope of work under the direction of Trustee Aidan Corish. Since his tenure as Trustee began in 2017, his accomplishments have included helping to implement the first ever continuous water quality testing initiative in association with SOMAS; initiating the project to expand the STP service areas to reduce the amount of nitrogen entering the waterways; and working continuously to secure grants for infrastructure projects. His oversight will occur in coordination with Village Clerk/Treasurer Beth Kamper, who will be responsible for financial administration; and Superintendent of Public Works Dee Yardley who is responsible for managing the Village STP. Trustee Corish will ensure public engagement via meetings of the Village Trustees.

Qualifications of the Cameron Engineering team are attached.

### **6b. Describe community support or opposition to project.**

The Sag Harbor Partnership, a nonprofit organization dedicated to the preservation and enhancement of the quality of life in Sag Harbor, NY, was created to support environmental, education, historic preservation, economic and social programs that benefit the greater Sag Harbor community. The Partnership, working with the Village's Harbor Committee and community stakeholders, raised funds from the community and awarded a grant to the SUNY School of Marine and Atmospheric Sciences at Stony Brook to complete the 2020 study authored by Dr. Gobler. Materials from their website and social media are attached.

News coverage includes the following articles:

- "Sag Harbor Launches Water Quality Initiative." *East End Beacon*, June 1, 2018

- “Sag Harbor Begins to Weigh Expanding Sewer Plant Service Area.” *Sag Harbor Express*, February 6, 2019
- “Study Suggests Boaters May Be Releasing Septic Waste in Sag Harbor.” *Sag Harbor Express*, February 12, 2020

Public Meetings of the Sag Harbor Village Trustees have occurred in connection with adoption of the following resolutions:

- Resolution #15, October 2019, authorizing advertisement of Request For Proposals to obtain professional services for development of Sewer Master Plan
- Resolution #5, January 2020, Awarding RFP to Cameron Engineering for Development of Sewer Master Plan
- Resolution #7, January 2020, appointing members to Sewer Committee

Village officials have engaged community members in discussions about the sewerage issue with responses being generally positive. Community outreach and education efforts will be ongoing in order to ensure the public remains engaged and informed.

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

This is a planning project. The deliverable is a Sewer Master Plan that will enable the Village to initiate design tasks for the recommended wastewater infrastructure. The development and adoption of the Sewer Master Plan itself is not an action requiring the initiation of the SEQRA process. Implementation of a recommendation(s) depending on its scale and scope may trigger the need for SEQRA. The Master Plan will provide comprehensive analysis of management and completion of SEQRA and related processes for the recommended actions.

The Sewer Master Plan will provide a full discussion on the legal and procedural issues as well as timeframes regarding formation or expansion of the sewer service area.

**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.**

The water quality monitoring activities initiated by SOMAS in 2018 will continue to be supported by the Village in 2020. Ongoing maintenance and evaluation will be the responsibility of the Village.

**8. DURATION OF THE PROJECT**

**8a. Provide a projected timeline of the project**

The Village issued the Request for Proposals for the Sewer Master Plan in October 2019, and following evaluation of proposals received, on January 14, 2020 the Village Board adopted a resolution approving the selection of Cameron Engineering to develop the plan. The Town of

East Hampton CPF approved partial funding for the project, which allowed the Village to initiate initial planning steps. A kickoff meeting with Cameron was held July 22, 2020. With these initial milestones complete, the project will proceed expeditiously seamlessly to completion upon funding approval from the Town of Southampton CPF.

The Master Plan will be complete within a period of six (6) months. The consultant proposal provides a time span of 6-12 months, however upon further discussion with the Cameron Engineering project manager, we have confirmed that the shorter timeframe is achievable. Tasks to be accomplished within this timeframe are as follows, and are more fully detailed in the attached consultant proposal.

- Task 1. Project Management
- Task 2. Review Existing Studies
- Task 3. Project Kickoff Meeting/Workshop
- Task 4. Sewer Master Plan Report

## **OTHER INFORMATION**

**Public engagement:** Due to the importance of the Sewer Master Plan, there will be strong public interest, and strong desire for public participation. Public meetings, hearings and possibly referenda will be scheduled at key milestones during the planning process.

**Hazard mitigation:** The STP is located in a FEMA 500-year flood zone. The Sewer Master Plan will include considerations for facility hardening as well as relocation. As of the writing of this proposal, the Village is participating in development of the Suffolk County Multi-Jurisdictional Hazard Mitigation Plan. This plan is expected to address flood mitigation needs and will preserve Village eligibility for future FEMA funding opportunities for capital projects needed to mitigate the flood hazards at the STP. The Master Plan will inform these efforts, and assist with future project development.

## ATTACHMENTS

### MAPS

- Town of Southampton WQIPP priority map
- Town of East Hampton Water Protection District
- Priority Waterbody List
- Sewered Areas
- Lot Size Map
- Depth to Water Table
- FEMA Flood Zones
- Sea, Lake and Overland Surge From Hurricanes (SLOSH)
- High Priority Parcels

### VILLAGE AND COMMUNITY SUPPORT

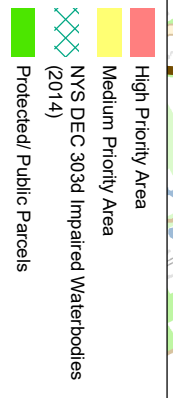
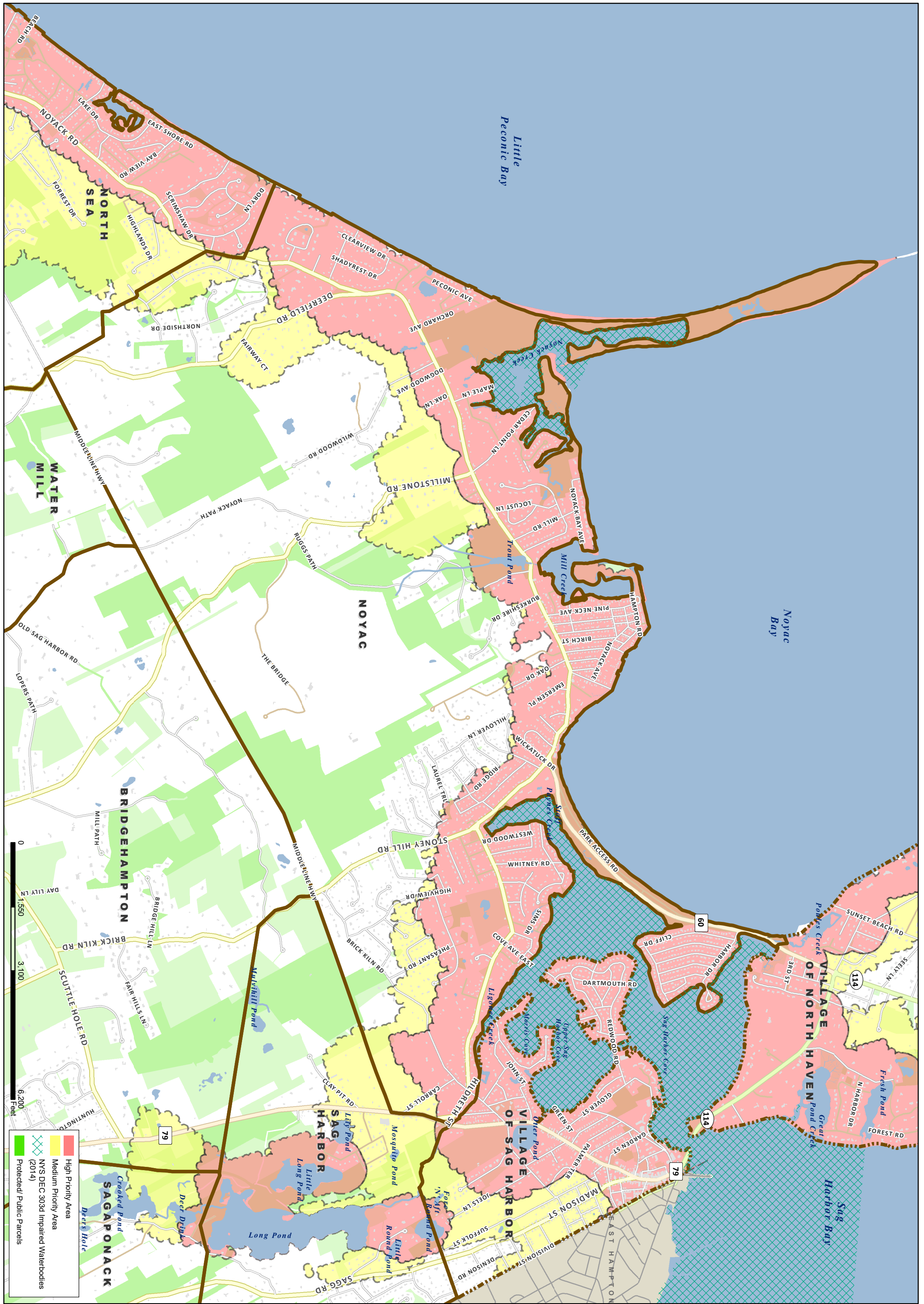
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  - Resolution #5, January 2020, Awarding RFP to Cameron Engineering for Development of Sewer Master Plan
  - Resolution #7, January 2020, appointing members to Sewer Committee
  - Resolution #7, August 2020, authorizing submittal to 2020 Town of Southampton CPF
- Sag Harbor Partnership website materials and Facebook post with 240 “likes” from Community members
- Town of East Hampton CPF Funding Resolution
- Support letter – Assemblyman Thiele

### ENVIRONMENTAL ASSESSMENT FORM

### BID PROPOSAL – SEWER MASTER PLAN – CAMERON ENGINEERING

### PROVIDED ELECTRONICALLY DUE TO FILE SIZE:

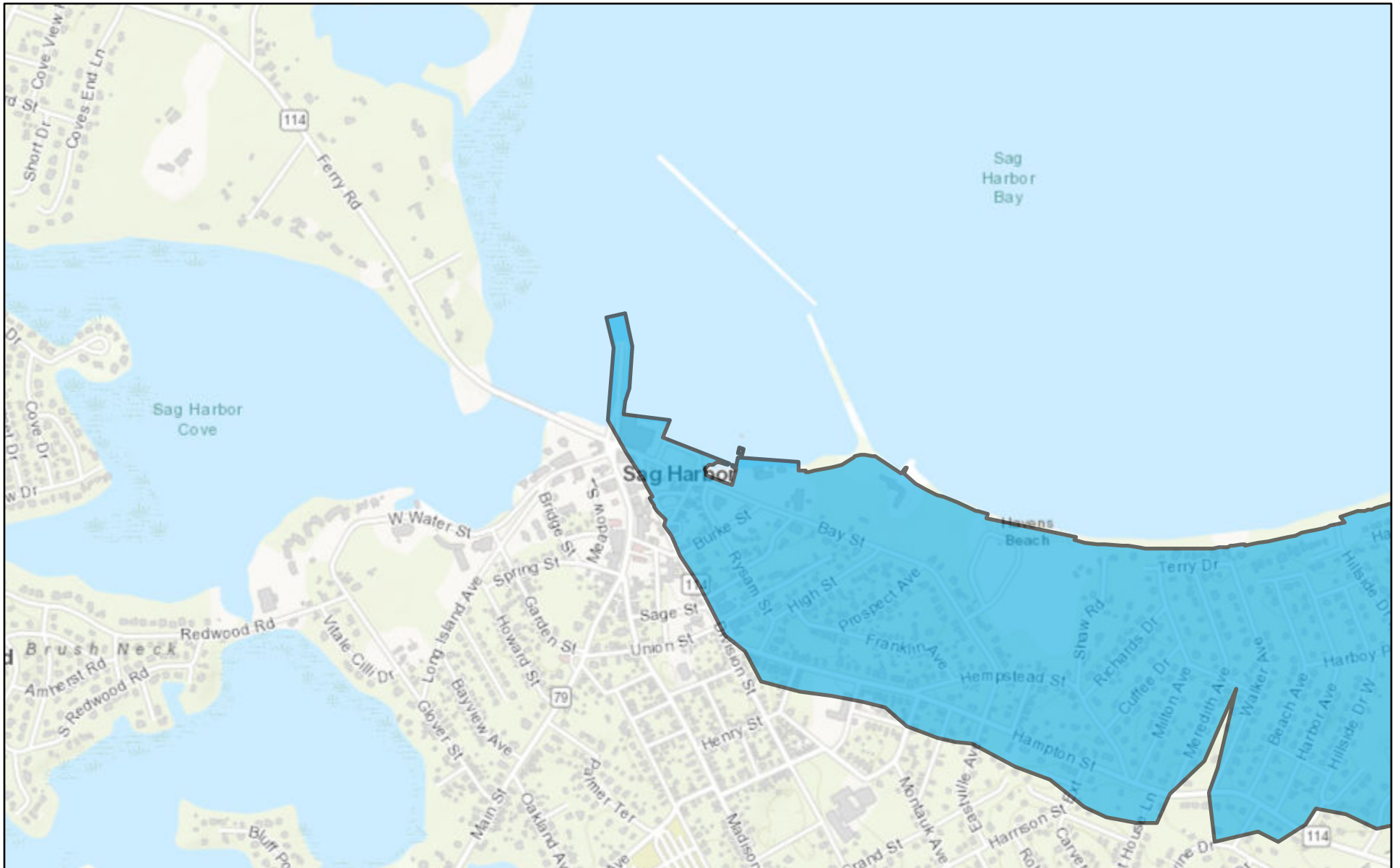
- **VILLAGE OF SAG HARBOR REQUEST FOR PROPOSALS – SEWER MASTER PLAN**



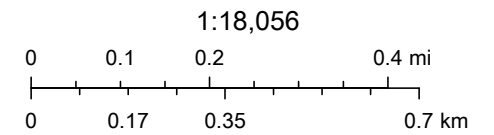
# Town of Southampton CPF Water Quality Improvement Project Plan

## NOYAC

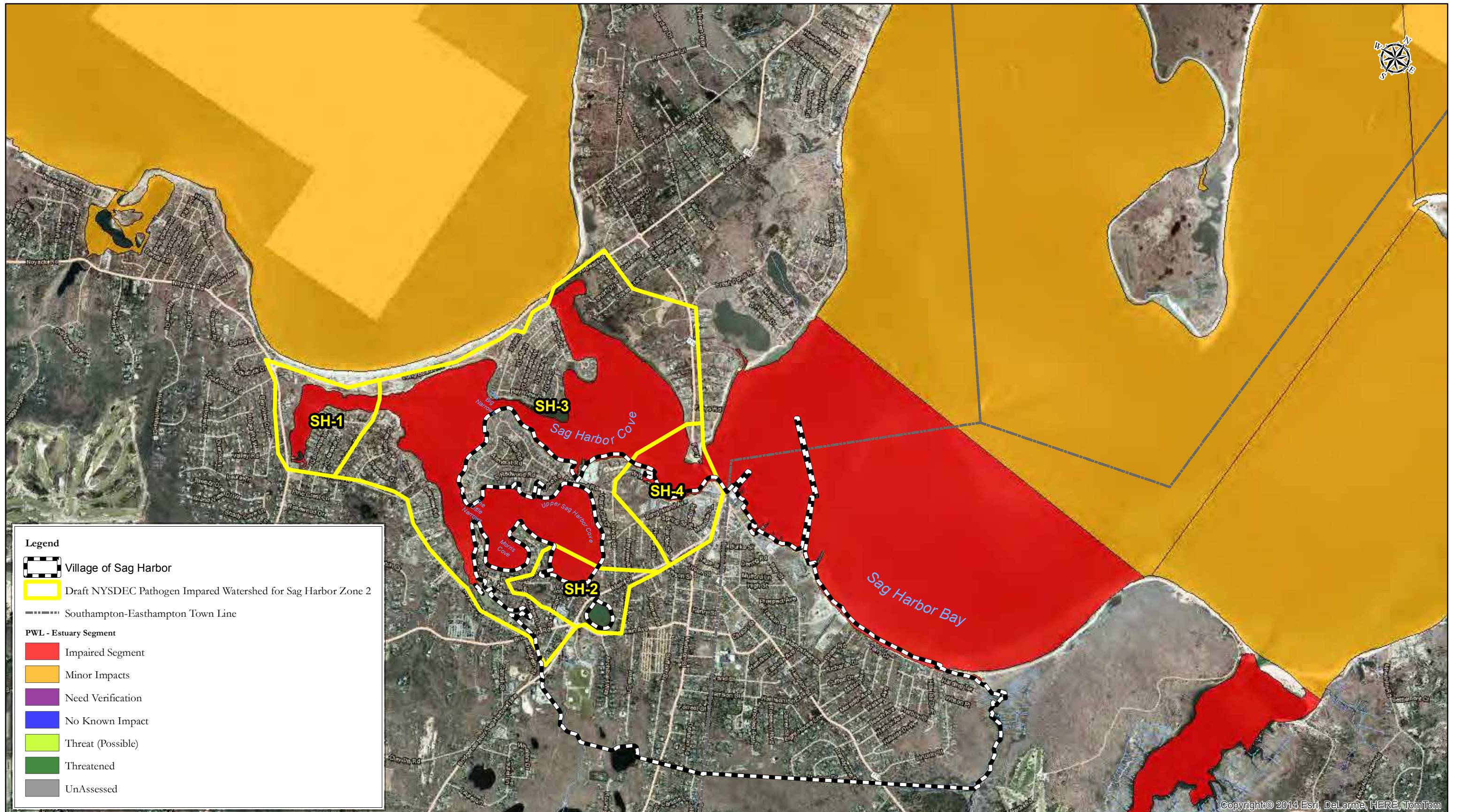
# East Hampton Water Protection District



March 9, 2020



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,



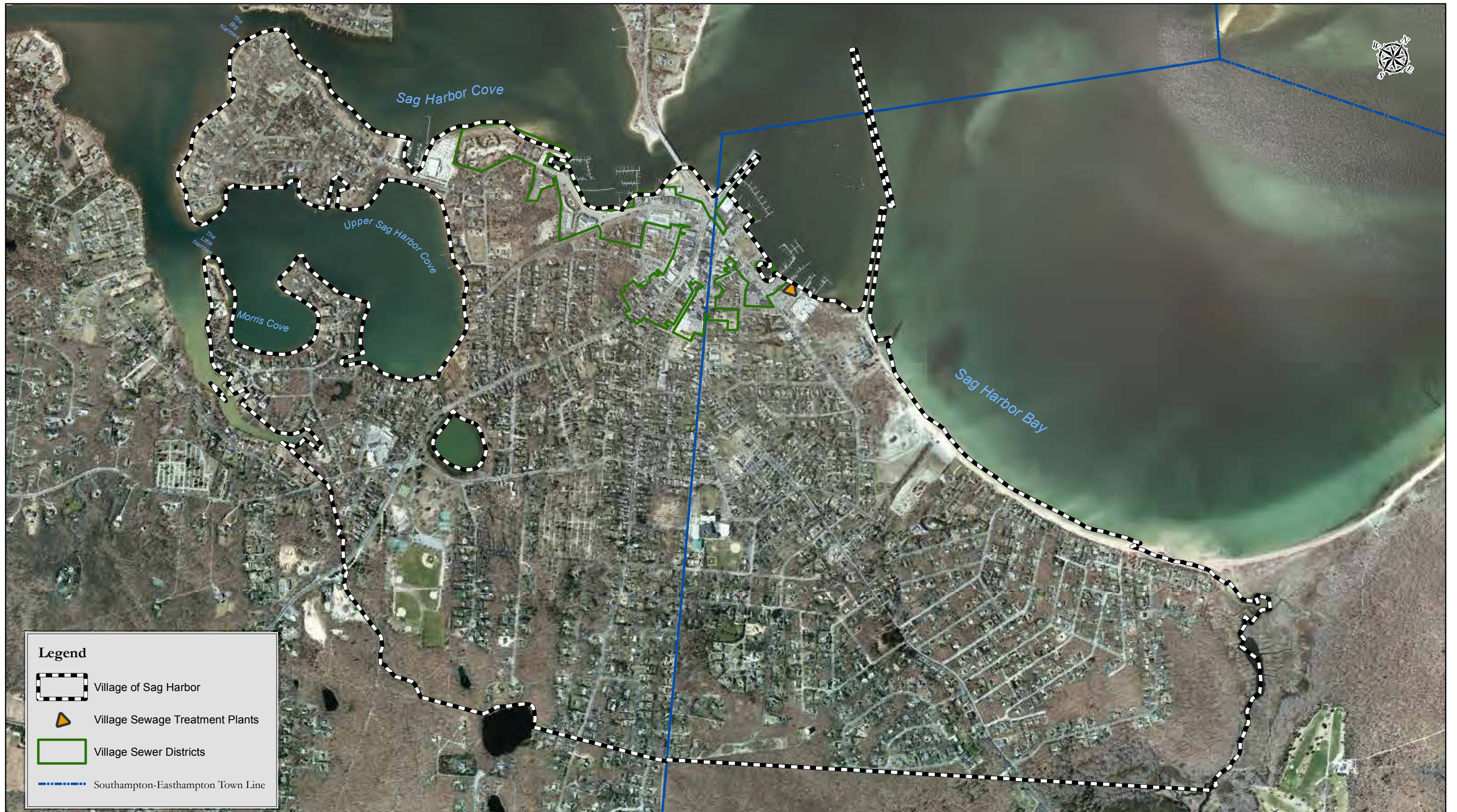
**PRIORITY WATERBODY LIST**





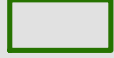

Source: NYSGIS Orthoimagery Program, 2013; NYSDEC; Pathogen Impaired Waterbodies for Sag Harbor, May 2016  
 Scale: 1 inch = 2,000 feet

Village of Sag Harbor





**Legend**

-  Village of Sag Harbor
-  Village Sewage Treatment Plants
-  Village Sewer Districts
-  Southampton-Easthampton Town Line

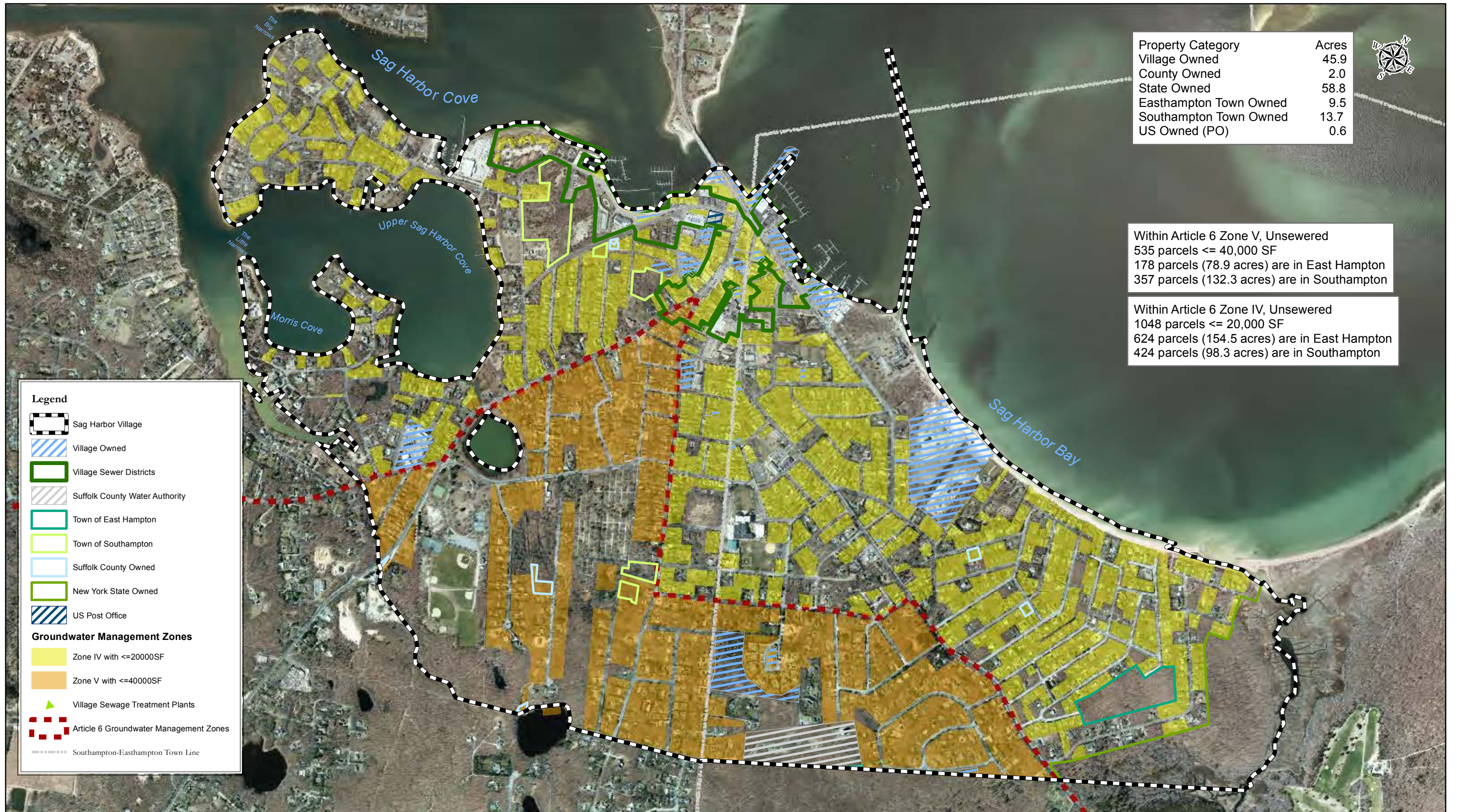
**SEWERED AREAS**

Source: NYSGIS Orthoimagery Program, 2013; SCDHS  
 Scale: 1 inch = 1,000 feet



Village of Sag Harbor





Property Category	Acres
Village Owned	45.9
County Owned	2.0
State Owned	58.8
Easthampton Town Owned	9.5
Southampton Town Owned	13.7
US Owned (PO)	0.6

Within Article 6 Zone V, Unsewered  
 535 parcels <= 40,000 SF  
 178 parcels (78.9 acres) are in East Hampton  
 357 parcels (132.3 acres) are in Southampton

Within Article 6 Zone IV, Unsewered  
 1048 parcels <= 20,000 SF  
 624 parcels (154.5 acres) are in East Hampton  
 424 parcels (98.3 acres) are in Southampton

**Legend**

- Sag Harbor Village
- Village Owned
- Village Sewer Districts
- Suffolk County Water Authority
- Town of East Hampton
- Town of Southampton
- Suffolk County Owned
- New York State Owned
- US Post Office

**Groundwater Management Zones**

- Zone IV with <=20000SF
- Zone V with <=40000SF
- Village Sewage Treatment Plants
- Article 6 Groundwater Management Zones
- Southampton-Easthampton Town Line

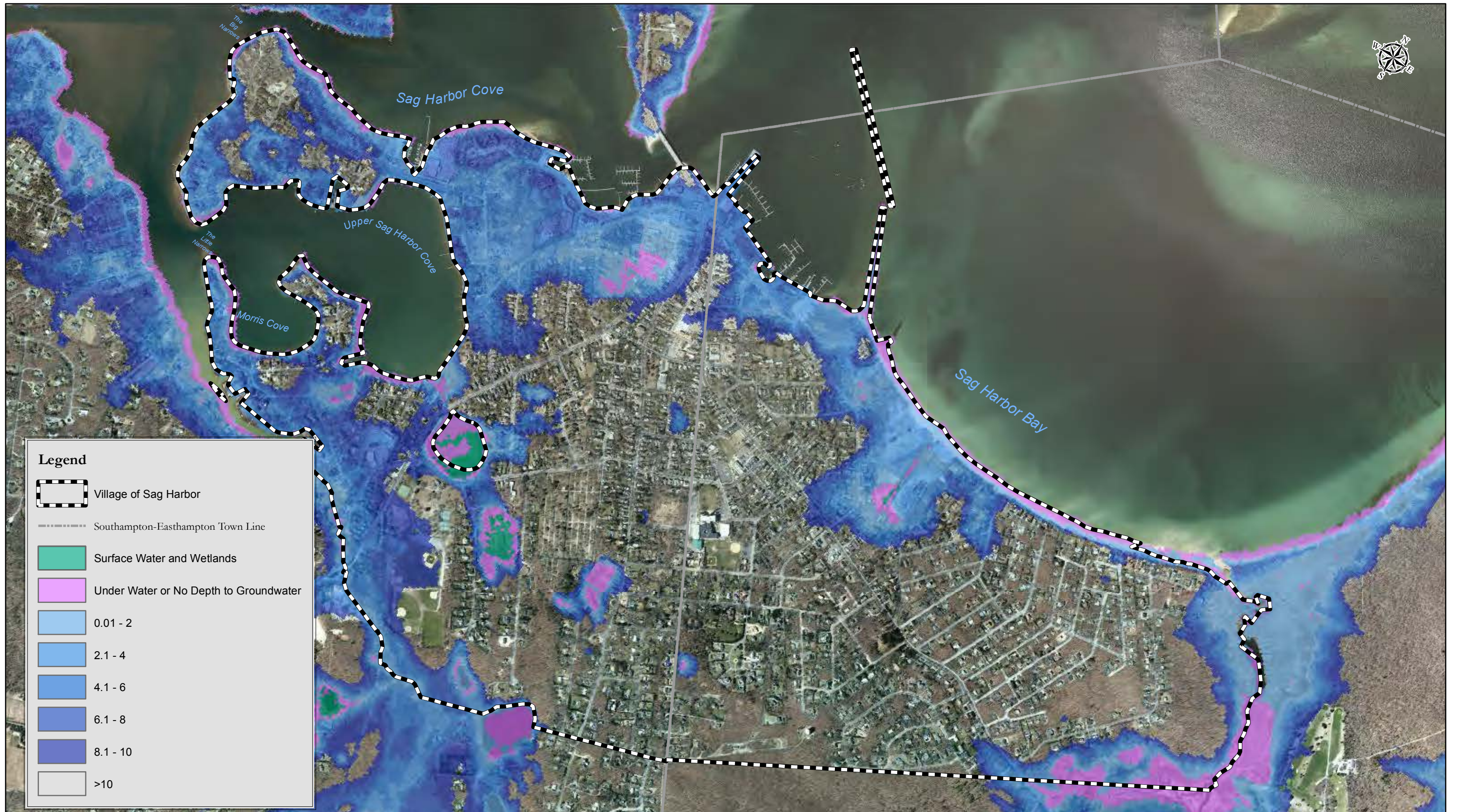


### LOT SIZE MAP

Source: NYSGIS Orthoimagery Program, 2013; Village of Sag Harbor; SCDHS - Article 6 Sanitary Code  
 Scale: 1 inch = 1,000 feet

Village of Sag Harbor



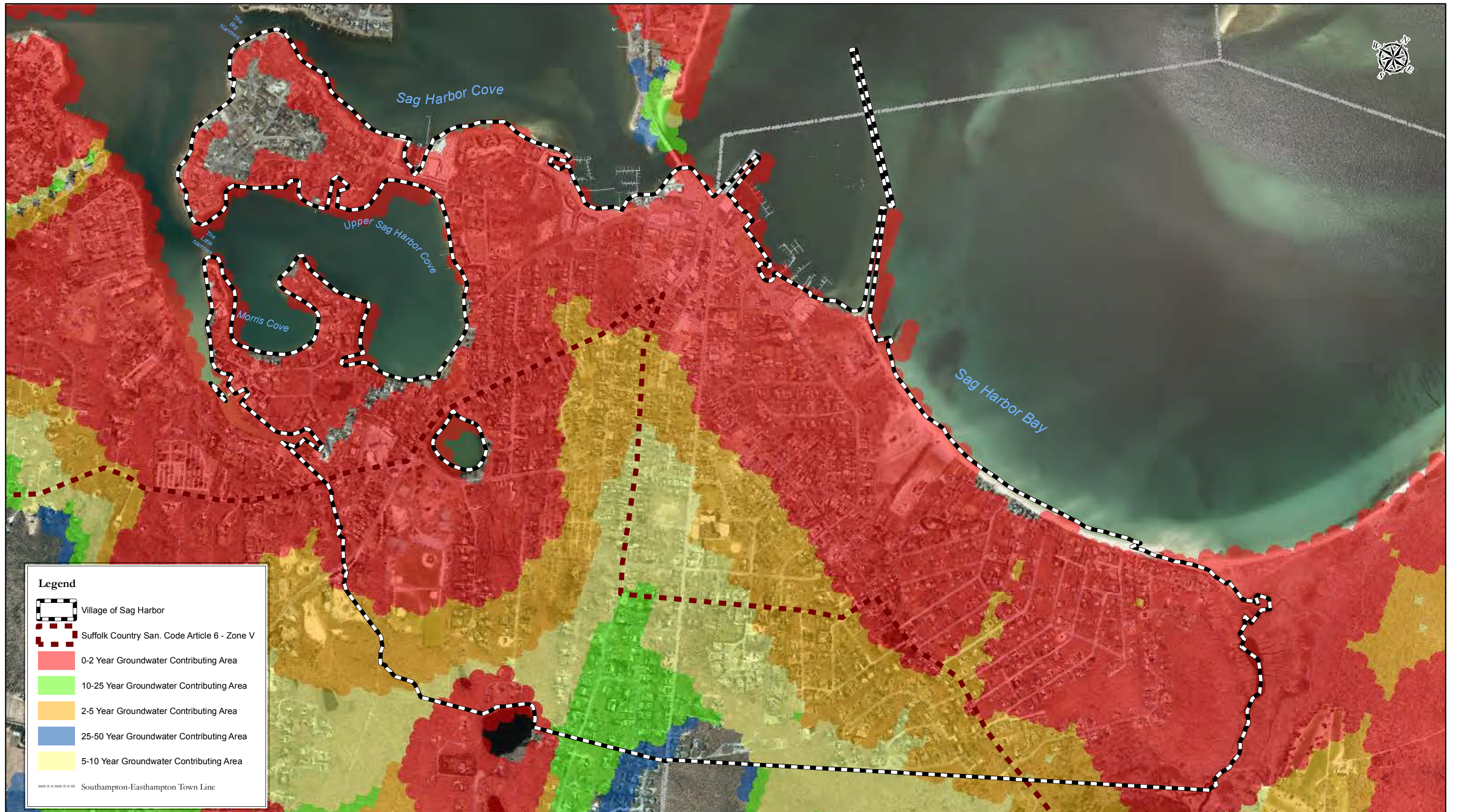


### DEPTH TO WATER TABLE

Source: NYSGIS Orthoimagery Program, 2013; Water Table from USGS SIM 3270, 2010 data  
 Scale: 1 inch = 1,000 feet

Village of Sag Harbor





**Legend**

- Village of Sag Harbor
- Suffolk County San. Code Article 6 - Zone V
- 0-2 Year Groundwater Contributing Area
- 10-25 Year Groundwater Contributing Area
- 2-5 Year Groundwater Contributing Area
- 25-50 Year Groundwater Contributing Area
- 5-10 Year Groundwater Contributing Area
- Southampton-Easthampton Town Line

**FIGURE 14**  
**GROUNDWATER CONTRIBUTING AREA**

Source: NYSGIS Orthoimagery Program, 2013; SCDHS  
Scale: 1 inch = 1,000 feet






Village of Sag Harbor










**Legend**

-  Sag Harbor Village
-  Village Sewer Districts
-  Village Sewage Treatment Plants

**FEMA Flood Zones**

-  A
-  AE
-  OPEN WATER
-  VE

 Southampton-Easthampton Town Line



## FEMA FLOOD ZONES





Source: NYSGIS Orthoimagery Program, 2013; Village of Sag Harbor; FEMA flood zones, 2013  
 Scale: 1 inch = 1,000 feet

Village of Sag Harbor









**Legend**

-  Sag Harbor Village
-  Village Sewer Districts
-  Village Sewage Treatment Plants
-  Southampton-Easthampton Town Line

**SLOSH ZONE**

-  Storm Surge from a Category 1 Hurricane
-  Storm Surge from a Category 2 Hurricane
-  Storm Surge from a Category 3 Hurricane
-  Storm Surge from a Category 4 Hurricane

**SEA, LAKE AND OVERLAND SURGE FROM HURRICANES (SLOSH) MAP**

Source: NYS GIS Orthoimagery Program, 2013; NYSEMO; FEMA (SLOSH)  
 Scale: 1 inch = 1,000 feet







Village of Sag Harbor





High Priority Parcels Criteria:  
 within Groundwater Management Zone IV  
 with less than or equal to 20,000 square feet size  
 with 10 feet or less depth to groundwater (2010 data)  
 developed parcels  
 unsewered parcels  
 There are 241 High Priority Parcels, 61.0 acres total  
 East Hampton has 72 High Priority Parcels, 16.5 acres  
 Southampton has 169 High Priority Parcels, 44.5 acres

**Legend**

-  Sag Harbor Village
-  Village Sewer Districts
-  High Priority Parcels
-  Village Sewage Treatment Plants
-  Article 6 Groundwater Management Zones
-  Southampton-Easthampton Town Line



## HIGH PRIORITY PARCELS

Source: NYSGIS Orthoimagery Program, 2013; Village of Sag Harbor; USGS 2010 SIM 3270; SCDHS - Article 6 Sanitary Code  
 Scale: 1 inch = 1,000 feet

Village of Sag Harbor





[Announcements](#) [Environment](#)

# Sag Harbor Launches Water Quality Initiative

📅 June 4, 2018 👤 Beth Young 💬 0 Comments



Sunset from the Sag Harbor bridge.

Sag Harbor’s economy and quality of life is dependent on the health of its harbors and bays, and the village is seeing disturbing changes in its waterways.

The Sag Harbor Water Quality Initiative, a public/private partnership anchored by the Village of Sag Harbor and the Sag Harbor Yacht Club, has launched this spring, in an attempt to counter these changes.

The Initiative has received a proposal from Stony Brook University School of Marine and Atmospheric Sciences to professionally and comprehensively evaluate local waters, placing five monitoring stations throughout Sag Harbor to test for harmful algae, pathogenic bacteria and nutrient overload.

The monitoring stations will also track temperature, salinity, dissolved oxygen, pH and chlorophyll A.

The goal, according to the Initiative, is to measure current impacts of harmful algae and the environment the waters are providing for future harmful algae and bacterial growth.

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atmospheric deposition, birds and surface runoff.

In order to get grants for remediation, the program will provide data that demonstrates whether there is a measurable problem. To date that has not been done in a systematic, inclusive and consistent manner.

Unfortunately, Community Preservation Funds are not available for testing.

The Initiative is halfway to raising \$52,358 for the project, and is looking fro community support. You can contribute online using this [form](#).

[View Pledge Form](#)

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Sag Harbor Unveils Plans for Waterfront Park Named for John Steinbeck

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This Morning's Bulletin — 6.4.18

June 4, 2018  
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### Sag Harbor Budget Vote

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**Beth Young**  
@byoung east

We're updating info on the East End coronavirus situation throughout the day:[eastendbeacon.com/coronavirus-hi...](http://eastendbeacon.com/coronavirus-hi...)

### Coronavirus Hits the East End

Pictured Above: Sians at the entrance to

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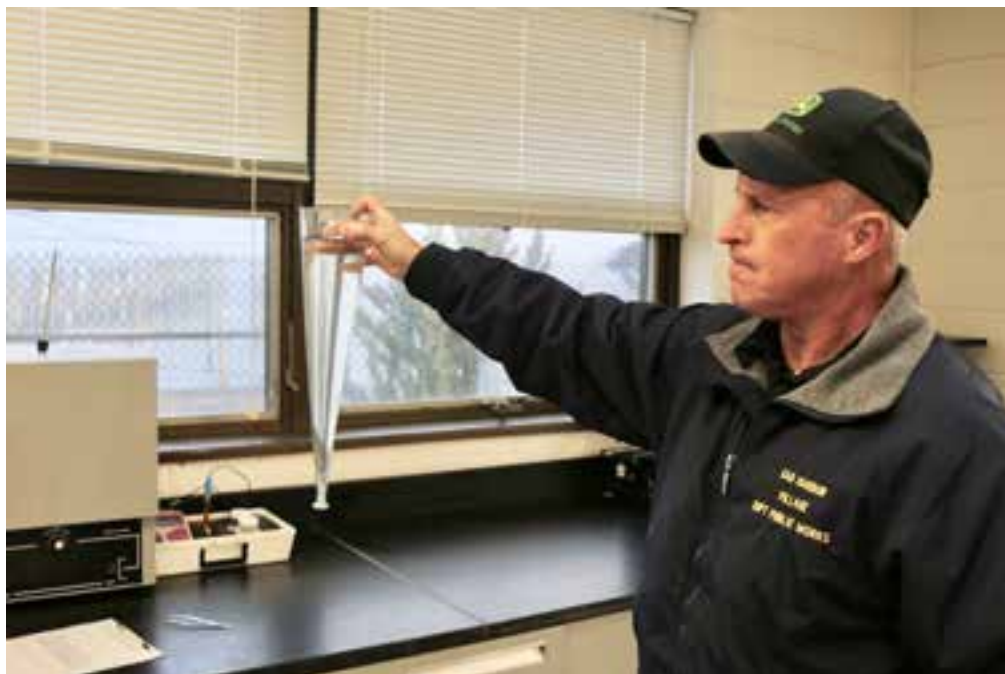
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# Sag Harbor Begins to Weigh Expanding Sewer Plant Service Area

By Peter Boody (<https://sagharborexpress.com/author/peterboody/>) - February 6, 2019



([https://sagharborexpress.com/wp-content/uploads/2019/02/IMG\\_8635-2.jpg](https://sagharborexpress.com/wp-content/uploads/2019/02/IMG_8635-2.jpg))

*Public Works Superintendent Dee Yardley holds a sample of treated waste water for testing in the sewage plant's lab. Peter Boody photo*

Sag Harbor's 44-year-old but twice expanded and upgraded sewage treatment plant on Bay Street is the best technology available for removing nitrogen from septic waste water before it enters the bay system, says Village Trustee Aidan Corish.

But the plant's network of sewage pipes has only about 75 connections serving perhaps 100 properties clustered around the business district, about 6 percent of all village properties. They are located in seven service areas along four main sewer lines totaling about one mile in length, from the Villas condominiums on West Water Street, on the west; Main Street south to just shy of the John Jermain Library; the Watchcase condos on Division Street and Il Cappucino restaurant on Madison Street.

The sewage plant, licensed to process up to 250,000 gallons effluent, could handle almost double the load it currently treats. At a time when nitrogen is continuously leaching from old private septic systems and polluting the Peconic Bay system, some residents and officials have long wondered if the village should get serious about expanding the plant's service area.

A new committee held its first meeting last month in Village Hall to begin exploring that possibility, according to Mr. Corish, who said it will continue to meet monthly, inviting experts to help it explore engineering, regulatory, cost and potential grant issues in order to begin developing an expansion plan that could be presented to the Village Board of Trustees.

Mr. Corish, who is the Village Board's liaison to the sewage treatment plant, said the group "has the mayor's blessing and the full support of the board."

The committee includes former trustee and now chair of the Zoning Board of Appeals, Robby Stein, who was the Village Board's former liaison to the plant; Public Works Superintendent Dee Yardley, a state-licensed operator who manages the plant; Trustee Thomas Gardella, who is a plumber; and John Parker, a member of the village's Harbor Committee known for his familiarity

with Sag Harbor's waterfront and its environmental health.



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The committee will meet again on Wednesday, February 13 to hear from marine scientist Chris Clapp of the Nature Conservancy, who worked closely with the Village of Westhampton Beach as a member of its Conservation Advisory Board to develop the plans for a new public sewage system in that waterfront village.

"This is a long-term proposition, not something that's going to happen this week or next," Mr. Corish said.

At the first meeting, which was held on January 9, the group determined its "guiding principles," Mr. Corish said, including agreeing that the committee needed expert advice and that the focus initially should be on extending sewer lines to Sag Harbor's waterfront communities, the low-lying Redwood area on the west and the "SANS" neighborhood, containing the private communities of Sag Harbor Hills, Azurest and Ninevah, on the east.

Mr. Corish's committee has begun meeting at a time when the Village Board is weighing the adoption of a proposed law, like those in effect in the towns of East Hampton and Southampton, to require all new residential construction to install an "I/A," or "innovative/alternative" septic system that actively reduces nitrogen before leaching waste water into the ground. The village law also may require an I/A system to be installed whenever an older septic system had failed or needs major repairs or replacement.

Grants are available from state, county and town sources to cover some if not all of the \$20,000 to \$30,000 cost of installation. The systems require electrical power and regular monitoring and maintenance, which has prompted a few critics to predict that many of the new systems won't be effective in the long run.

The idea of expanding the sewer plant service area has gained traction because of the impending I/A requirement. The option of connecting to the village system would save the expense of an I/A system; it also would consistently remove 95 percent of all nitrogen from their waste water, according to Mr. Yardley, the plant operator. "Denitrification is the whole point of this place," he commented.

"It's the gold standard of what we can do in this village," Mr. Corish said. "It's gone a long way to allowing our Main Street to be prosperous."

Connecting to a new sewer line would be required of all adjacent properties by Village Code, with the cost to be paid by the user. There also is an annual service fee, depending on how many sewage units, as specified in the village code, each property requires; and a water usage fee.

Gravity forces effluent through the village's network of pipes to a pump and powerful grinder 30 feet below ground level just outside the treatment plant that can pulverize a two-by-four. The effluent is then pumped up to the plant, a concrete and brick structure that is elevated about 10 feet above ground level because of the high water table in the area.

The plant structure contains five open-air 50,000-gallon-capacity rectangular tanks, at least one of which is usually kept empty, to aerate effluent; allow bacteria to denitrify it; and separate out the solids, which are collected with a scavenger waste truck monthly in winter and every two weeks in summer and taken to the county's Bergen Point scavenger waste facility in West Babylon.

The remaining water, which looks totally clear, is decanted, sent through a channeling system where it is treated by bacteria-killing ultraviolet light, regularly monitored and tested and finally released into the bay through an outfall at the village's dinghy dock.

Mr. Yardley said the plant has improved water quality in the harbor area, enough so that seals have returned to the vicinity of the plant in the winter.



"As the water goes, so goes the village," said Mr. Corish.

In the early 1970s, the U.S. EPA, after the enactment of the Clean Water Act on the federal level and the Tidal Wetlands Act on the state level, pressured the village to stop allowing raw effluent from the central business district to flow down a pipe on Main Street to a holding tank at Long Wharf, from which it flowed into the bay untreated at every high tide. Local residents today can remember swimming off the wharf and having to check to be sure they were not about to jump into something odious.

## Comments

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(<https://sagharborexpress.com/author/peterboody/>)

**Peter Boody** (<https://sagharborexpress.com/author/peterboody/>)

Peter Boody is news editor of The Sag Harbor Express. Previously he was the editor of the Southampton Press for many years and also edited several other papers, including the Shelter Island Reporter and the East Hampton Press, of which he was founding editor. He was a regular correspondent for the New York Times Long Island section and wrote the novel "Thomas Jefferson, Rachel & Me."



# Study Suggests Boaters May Be Releasing Septic Waste in Sag Harbor

By Peter Boody (<https://sagharborexpress.com/author/peterboody/>) - February 12, 2020



(<https://sagharborexpress.com/wp-content/uploads/2020/02/Gobler.jpeg>)

*Dr. Christopher Gobler speaking before the Harbor Committee on Feb. 6. Peter Boody photo*

A two-year study of water quality in Sag Harbor found that it is good overall but that nitrogen loading, mostly from conventional cesspools and septic tanks leaching untreated waste into groundwater, is promoting algae growth including a rust tide in the summer.

The study also found that fecal bacteria — some of it from human waste, possibly including boaters illegally releasing effluent — is an issue in some locations.

While waste from dogs and small mammals was present at most of the six sites around Sag Harbor where water was tested, there's a "very strong human signal" in the DNA of fecal bacteria found in the inner harbor and Sag Harbor Cove, Dr. Christopher Gobler reported on February 6, when he presented highlights of his study to the Harbor Committee and a packed audience in the Municipal Building.

Private donors paid most of the \$80,000 tab for the study, including the Sag Harbor Partnership and the Sag Harbor Yacht Club and Yacht Yard. Sag Harbor Village and the East Hampton and Southampton Town Trustees also contributed. Mary Ann Eddy, the chair of the Harbor Committee, which regulates activities on the water and within 100 feet of it, helped coordinate the project.

Dr. Gobler, a professor at the SUNY School of Marine and Atmospheric Sciences in Stony Brook, and his researchers set up sensors and took regular samples at six sites around Sag Harbor's waters from April to October in 2018 and 2019. They tested for multiple indicators of water quality, such as nitrogen and oxygen content.

In addition to his presentation last week, he has prepared a 90-page report on the project titled "Assessment of Water Quality in Marine Waters Surrounding Sag Harbor Village, 2018-2019."

In his presentation, Dr. Gobler said that septic systems and cesspools could not be the source of fecal bacteria in local waters because the bacteria "can't travel in groundwater," unless the septic systems are actually submerged. In that case, they could be directly passing fecal bacteria into



ground and surface waters.

The municipal sewage treatment plant has as high level of waste treatment, including ultraviolet light to kill bacteria and is the best option for the treatment of human waste, Dr. Gobler noted. But it has been cited by the state DEC following breakdowns in the past for “violations in fecal coliform” in its effluent, so it could be a contributing source for the bacteria found in the inner harbor and Upper Sag Harbor Cove, Dr. Gobler said.

Sag Harbor Cove contained the next-highest level of human fecal bacteria, Dr. Gobler reported, even though it is well removed from the treatment plant. It has nearby marina activity, he noted, adding that he has seen the same rise in human waste bacteria when sampling water closer to marinas in Three Mile Harbor in East Hampton.

“Some finer scale sampling could resolve the relative importance of each,” Dr. Gobler said, referring to boat traffic and the sewage treatment plant. With samples from more locations, he added, his researchers could correlate high bacteria counts to nearby vessel concentrations.

“I cannot say from my study it is the boats,” Dr. Gobler said when asked by audience member Steve Williams, president of the Azurest Property Owners Association, if “boats are discharging in our harbor.”

“It could be the boats; there are some signs it is the boats,” Dr. Gobler said. “But there is the sewage treatment plant ... and there have been occasions when it has had high levels” of fecal bacteria in its effluent.

“There’s only a small human signal” in the waters off Havens Beach, the village’s public swimming facility, Dr. Gobler said, but he called the presence of fecal coliform there from other sources, including dogs and small mammals, the most problematic of all six sites tested around Sag Harbor water because people swim and shellfish there.

Nitrogen loading exceeded the Peconic Estuary Program’s recommended maximum in the inner harbor inside the breakwater, and in Otter Pond on two occasions, Dr. Gobler reported. Water clarity declined in the summer months and chlorophyll levels, “a proxy for total algae,” peaked. Oxygen levels fell to low levels in Sag Harbor Cove and Otter Pond.

One alga, rust tide or cochlodinium, which kills fish, reached high levels in Sag Harbor Cove and the Upper Cove and in the harbor itself in 2019, but “they weren’t what I’d call Biblical levels,” Dr. Gobler said.

Summing up Dr. Gobler’s report in response to an emailed request for comment, Ms. Eddy wrote that “going forward .... further study is needed at the Inner Harbor including the STP [sewage treatment plant] to determine the source(s) of human pathogens.”

She wrote that the public and local officials should “accept that we have a nitrogen problem” coming from on-site septic systems and she wondered if properties close to shorelines should be required to install innovative/alternative septic systems that actively reduce nitrogen levels, unlike conventional systems.

She said a meeting with Mayor Kathleen Mulcahy — who attended the presentation and said she wanted to see the study project continued — would take place this week “to discuss the report and steps going forward this week.”

Dr. Gobler called the study “very complex ... the most complex I’ve ever had,” and thanked Ms. Eddy and the project sponsors. “It took a village to pull off this study,” he said.



<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Thomas C. Gardella, Deputy Mayor
<b>SECONDER:</b>	Aidan Corish, Trustee
<b>AYES:</b>	Mulcahy, Gardella, Plumb, Corish, Larocca

12. Resolution No. 7 - October 2019

Resolution No. 7- October 2019 Authorizing Mayor Mulcahy to enter into agreement to designate the East Hampton Town Trustees as Escrowee to administer each municipality's funds allocated to the Sag Harbor Water Quality Initiative

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Aidan Corish, Trustee
<b>SECONDER:</b>	Thomas C. Gardella, Deputy Mayor
<b>AYES:</b>	Mulcahy, Gardella, Plumb, Corish, Larocca

13. Resolution No. 8 - October 2019

Resolution No. 8 - October 2019 Year End Budget Transfers

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Thomas C. Gardella, Deputy Mayor
<b>SECONDER:</b>	Bob Plumb, Trustee
<b>AYES:</b>	Mulcahy, Gardella, Plumb, Corish, Larocca

14. Resolution No. 9 - October 2019

Resolution No. 9 - October 2019 Sag Harbor Community Housing Trust, Inc. - Transfer of Funds

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Thomas C. Gardella, Deputy Mayor
<b>SECONDER:</b>	Bob Plumb, Trustee
<b>AYES:</b>	Mulcahy, Gardella, Plumb, Corish, Larocca

15. Resolution No. 10 - October 2019

Resolution No. 10 - October 2019 Authorization to advertise a Request for Proposals (RFP) to obtain professional services for an evaluation of existing sewage facility infrastructure within the Village and to develop a master plan on extending sewers to critical areas in need within the Village

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Aidan Corish, Trustee
<b>SECONDER:</b>	Thomas C. Gardella, Deputy Mayor
<b>AYES:</b>	Mulcahy, Gardella, Plumb, Corish, Larocca

16. Resolution No. 11 - October 2019

Resolution No. 11 - October 2019 Authorization to advertise a Request for Proposals (RFP) to obtain professional engineering services for stormwater abatement technical design and planning pursuant to an award from the Town of Southampton CPF Water Quality Technical Advisory Committee

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Thomas C. Gardella, Deputy Mayor

**Executive Session**

At 4:45 PM with a motion offered by Trustee Larocca and seconded by Trustee Corish the Board entered into Executive Session to discuss possible litigation.

**AYES:** Thomas C. Gardella, Bob Plumb, Aidan Corish, James L Larocca

**RECUSED:** Kathleen Mulcahy

At 5:32 PM with a motion offered by Trustee Larocca and seconded by Trustee Corish, the executive session ended. All in favor motion so carried.

**AYES:** Thomas C. Gardella, Bob Plumb, Aidan Corish, James L Larocca

**RECUSED:** Kathleen Mulcahy

**Flag Salute**

6:00 PM Meeting called to order on January 14, 2020 at Municipal Building, 55 Main Street, Sag Harbor, NY.

Attendee Name	Title	Status	Arrived
Kathleen Mulcahy	Mayor	Present	
Thomas C. Gardella	Deputy Mayor	Present	
Bob Plumb	Trustee	Present	
Aidan Corish	Trustee	Present	
James L Larocca	Trustee	Present	

**I. Introduction**

1. Schedule Public Hearing

Resolution No. 1 - January 2020 Schedule Public Hearing on February 11, 2020 to consider whether to affirm or suspend curb cut permit for the property located at 200 Madison Street

<b>RESULT:</b>	<b>ADOPTED [4 TO 0]</b>
<b>MOVER:</b>	James L Larocca, Trustee
<b>SECONDER:</b>	Aidan Corish, Trustee
<b>AYES:</b>	Thomas C. Gardella, Bob Plumb, Aidan Corish, James L Larocca
<b>RECUSED:</b>	Kathleen Mulcahy

**II. Public Hearing**

**III. Local Laws**

1. Local Law (ID # 8263) LL # \_ of 2020

2. Local Law (ID # 8264) LL # \_ of 2020

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** James L Larocca, Trustee  
**SECONDER:** Aidan Corish, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

6. Village Election

Approval to set date and time for annual Village Election on June 16, 2020 between the hours of 12 noon - 9:00 PM at Fire Headquarters on Brickiln Road declaring vacancies and to advertise all notices for Village Election

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Aidan Corish, Trustee  
**SECONDER:** Thomas C. Gardella, Deputy Mayor  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

7. 2020/2021 Real Property Tax Exemption Income Limits

Approval of 2020/2021 real property tax exemption income limits for senior citizens and disabled persons

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Thomas C. Gardella, Deputy Mayor  
**SECONDER:** Bob Plumb, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

8. Resolution No. 3 - January 2020

Resolution No. 3- January 2020 Approval of 2019 Service Listing for Sag Harbor Volunteer Ambulance Service Award Program

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Thomas C. Gardella, Deputy Mayor  
**SECONDER:** James L Larocca, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

9. Resolution No. 4 - January 2020

Resolution No. 4 - January 2020 Appointing Blue Square Consulting Swimming Pool and Waterfeature Design Consultant to the Harbor Committee - Volunteer Basis

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Kathleen Mulcahy, Mayor  
**SECONDER:** Aidan Corish, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

10. Resolution No. 5 - January 2020

Resolution No. 5- January 2020 Award RFP to Cameron Engineering for Development of Sewer Master Plan

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Aidan Corish, Trustee  
**SECONDER:** Thomas C. Gardella, Deputy Mayor  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

11. Shelter Island Shuttle Co. LLC

Capt. John D. Eicher requests authorization to perform six passenger pick-ups and drop-offs from the transient dock on Long Wharf for the 2020 Season

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** James L Larocca, Trustee  
**SECONDER:** Bob Plumb, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

12. Resolution No. 6 - January 2020

Resolution No. 6 - January 2020 Approve the 2019 Fire Department Listing LOSAP Point Awards

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Thomas C. Gardella, Deputy Mayor  
**SECONDER:** James L Larocca, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

13. Lelanta 2020

Howard Costa and Kell Kramer request permission to operate a commercial charter from mooring D-01A for the 2020 boating season

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** James L Larocca, Trustee  
**SECONDER:** Bob Plumb, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

14. Resolution No. 7 - January 2020

Resolution No. 7 - January 2020 Appoint Members to Sewer Committee

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Aidan Corish, Trustee  
**SECONDER:** Thomas C. Gardella, Deputy Mayor  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

15. Resolution No. 8 - January 2020

Resolution No. 8 - January 2020 Authorization to award the contract for the Havens Beach Improvements Project to the lowest bidder South Fork Asphalt

**RESULT:** ADOPTED [UNANIMOUS]  
**MOVER:** Thomas C. Gardella, Deputy Mayor  
**SECONDER:** James L Larocca, Trustee  
**AYES:** Mulcahy, Gardella, Plumb, Corish, Larocca

16. Resolution No. 9 - January 2020

Resolution No. 9 - January 2020 Correcting Scrivenors Error in Grant of Award for Stormwater Abatement, Technical Design and Planning and Authorization for Mayor to sign the contract


**APPOINT MEMBERS TO SEWER COMMITTEE**

**WHEREAS**, the Village Board would like to formalize the creation of a “Sewer Committee” to make recommendations to the Village Board regarding the development of a sewer master plan that would evaluate whether to expand existing sewer service areas or create new sewer service areas within the Village based on environmental, economic, and other criteria; and

**WHEREAS**, the Village Board would like to appoint members to serve on the Sewer Committee on a yearly basis with appointments to run with the calendar and subject to automatic yearly renewal unless the Village Board makes modifications; now, therefore, be it

**RESOLVED**, that the following individuals shall serve as members of the Sewer Committee for the calendar year 2020 in the following capacities:

- Aidan Corish, Chairman**
- John Parker, Member**
- Tom Gardella, Member**
- Jeff Peters, Member**



**Village of Sag Harbor  
New York**

**Action Item  
8292**

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**Resolution No. 7 - January 2020**

**Information**

<b>Department:</b>	Village Office	<b>Sponsors:</b>
<b>Category:</b>	Approval	

**Meeting History**

<b>Jan 14, 2020 6:00 PM</b>	<b>Mayor and Board of Trustees</b>	<b>Regular Meeting</b>
<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>	
<b>MOVER:</b>	Aidan Corish, Trustee	
<b>SECONDER:</b>	Thomas C. Gardella, Deputy Mayor	
<b>AYES:</b>	Kathleen Mulcahy, Thomas C. Gardella, Bob Plumb, Aidan Corish, James L Larocca	

# VILLAGE OF SAG HARBOR



Kathleen Mulcahy, Mayor  
James L. Larocca, Trustee  
Aidan Corish, Trustee  
Beth M. Kamper, Clerk-Administrator

PO Box 660  
55 Main Street  
Sag Harbor, NY 11963-0015  
Tel: 631-725-0222 Fax: 631-725-0316

Thomas C. Gardella, Deputy Mayor  
Bob Plumb, Trustee  
Denise R. Schoen, Village Attorney

RESOLUTION No. 7 – AUGUST 2020

## INCORPORATED VILLAGE OF SAG HARBOR RESOLUTION AUTHORIZING THE SUBMISSION OF AN APPLICATION FOR CPF FUNDING TO THE TOWN OF SOUTHAMPTON

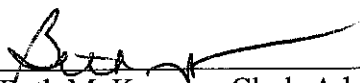
**RESOLVED;** that the Incorporated Village of Sag Harbor is authorized to submit an application for CPF funding to assist with the development of a sewer master plan to dictate expansion of the existing sewer district in the Village of Sag Harbor to utilize excess capacity at the Sewage Treatment Plant; and

**RESOLVED;** the excess capacity could potentially replace 300 existing residential cesspools, thereby reducing pollutant inputs, particularly nitrogen, entering area surface waters; and

**BE IT FURTHER RESOLVED;** that the Village of Sag Harbor is committed to water quality projects initiatives to improve the bay area ecosystem for the benefit of Village and Town residents.

Motion Made By: Trustee Corish  
Motion Seconded By: Deputy Mayor Gardella

All in favor motion so carried.

  
\_\_\_\_\_  
Beth M. Kamper, Clerk-Administrator

August 11, 2020

## Community Support

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# Building Unity Through Community

## WHAT IS THE SAG HARBOR PARTNERSHIP?

Sag Harbor Partnership is a 501(c)3 designated not-for-profit organization dedicated to the preservation and enhancement of the quality of life in Sag Harbor, NY.

The activities and programs of our organization include education, historic preservation of the built environment, preservation of the natural environment and related social and economic concerns, such as affordable housing and support for locally-owned small businesses.

With funds raised through our fundraising activities, we will offer grants to support projects and other organizations engaged in work that further our stated purposes, including professional assistance.



### SAG HARBOR WATER QUALITY INITIATIVE REPORT

Dr. Christopher Gobler a professor at the SUNY School of Marine and Atmospheric Sciences at Stony Brook, reported on the results of his work assessing the water quality in marine waters surrounding Sag Harbor Village from 2018-2019 on February 6, 2020. 'A two-year study of water quality in Sag Harbor found that is good overall but that nitrogen loading, mostly from conventional cesspools and septic tanks leaching untreated waste into groundwater, is promoting algae growth including a rust tide in the summer. The study also found fecal bacteria - some of it from human waste, possibly including boaters illegally releasing effluent - is an issue in some locations.' Read more [HERE](#) in the Sag Harbor Express.

The Sag Harbor Partnership supports this important work through a Grant to Stony Brook University School of Marine and Atmospheric Sciences. Many thanks to Mary Ann Eddy, chair of the Harbor Committee for her work coordinating the study. Dr. Gobler's report is available by clicking the button below.

[Sag Harbor Water Quality Assessment](#)



**Sag Harbor Partnership**

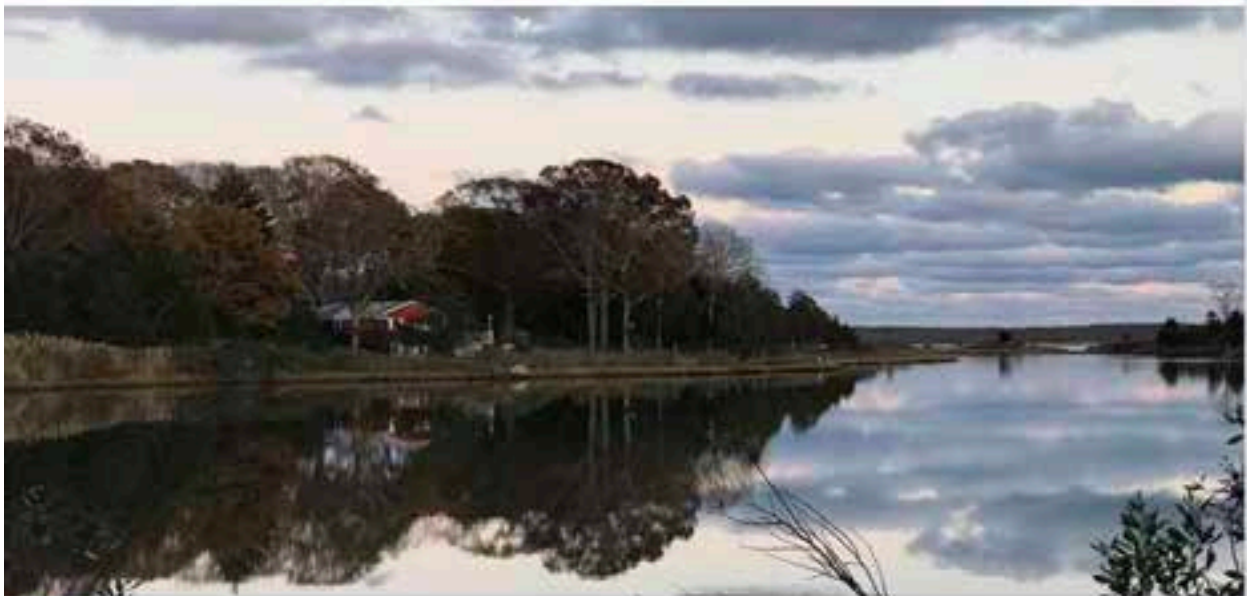


February 17 at 10:43 AM · 🌐

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 240

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**East Hampton Town Board**

159 Pantigo Road  
East Hampton, NY 11937

**Carole Brennan**  
Town Clerk

[www.ehamptonny.gov](http://www.ehamptonny.gov)

ADOPTED

Meeting: 08/06/20 02:00 PM

DOC ID: 23003 B

**RESOLUTION 2020-766**

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## **Authorize CPF Water Quality Funding for Projects - Round 1 2020**

WHEREAS, on August 18, 2016, by Local Law No. 46-2016, the Town Board of the Town of East Hampton authorized the use of a portion of the Community Preservation Fund ("CPF"), not to exceed 20%, for water quality improvement projects ("WQIP") following the amendment of the enabling state law found at Town Law 64-e; and

WHEREAS, specific types of projects eligible for funding are enumerated within Article IV of East Hampton Town Code Chapter 112-4; and

WHEREAS, in furtherance of water quality objectives, the Town of East Hampton issued a Request for Applications (RFA) for WQIPs in January 2020 and closing on March, 20, 2020 for the 2020 round of funding; and

WHEREAS, several proposals for projects were submitted to the CPF Water Quality Improvement Advisory Committee requesting WQIP funding; and

WHEREAS, as contained within Town Board Resolution No. 2020-633, the Town Board held a public hearing on July 2, 2020 to hear any persons either for or against the proposals considered herein, and transcripts of the hearing were posted on the Town Website for public comment for two weeks following the date that projects were heard; and

WHEREAS, water quality improvement projects require certification by the Town Board by resolution, with certain specific findings pursuant to Town Code 112-4; the Town Board has considered the recommendations of the Water Quality Technical Advisory Committee, and finds that the funding of the projects enumerated herein are consistent with the following criteria:

1. The proposed water quality improvement projects are for the planning, design, or implementation of a capital project with a probable useful life of at least five (5) years, pursuant to the state local finance law;
2. The proposed water quality improvement projects are consistent with one or more regional water quality improvement plans;
3. Said projects advance measurable water quality improvement for the Peconic Bay Region;
4. Said projects comply with specific existing or proposed state or regional water quality standards or targets;
5. In the case of aquatic habitat restoration projects, said projects will promote aquatic habitat restoration; and

WHEREAS, on behalf of the Town Board, the Department of Natural Resources has reviewed the SEQRA EAF Part I submitted with the applications and any additional SEQRA materials provided by applicants, and prepared the Environmental Assessment Form (EAF) Parts II and III, and the Town Board has reviewed said documentation and considered the magnitude and importance of each potential impact; and

WHEREAS, based upon the review of the EAF Parts I, II and III, the funding awards indicated that will facilitate the implementation of these proposed projects are not expected to result in any large and important impacts, and therefore will not have a significant adverse impact on the environment; now therefore, be it

RESOLVED, that the Town Board hereby adopts a Negative Declaration pursuant to the State Environmental Quality Review Act and Chapter 128 of the Town Code; and be it further

RESOLVED that, per the recommendations of the Water Quality Technical Advisory Committee via its presentation to the Town Board at a work session dated June 16, 2020, the Town Board of the Town of East Hampton hereby awards the following CPF Water Quality Improvement Projects the following funding amounts, subject to compliance with the submitted and (conditionally) approved proposals, and compliance with any and all contractual obligations required for payments:

A. Awarding of grant funding for eight (8) water quality improvement projects;

a. Project Type: Wastewater Treatment Improvement

Project Sponsor: 51 South Edgemere LLC

Summary: Upgrade of existing commercial sanitary system to a new low-nitrogen wastewater treatment system to treat the 6,705 gpd flow from the restaurant and inn located at 51 South Edgemere, Montauk, reducing pollutant inputs from a large source to Fort Pond.

Funding Award: \$200,000

b. Project Type: Wastewater Treatment Improvement

Project Sponsor: Harbor Lands LLC dba Gardiner's Marina

Summary: Upgrade of existing commercial sanitary system to a new low-nitrogen wastewater treatment system to treat the 677 gpd flow from Gardiner's Marina, reducing pollutant inputs to Three Mile Harbor.

Funding Award: \$58,760

c. Project Type: Wastewater Treatment Improvement

Project Sponsor: Montauk Library

Summary: Upgrade of existing not-for-profit sanitary system to a new low-nitrogen wastewater treatment system to treat the 1,029.26 gpd flow from the Montauk Library, reducing pollutant inputs to Fort Pond.

Funding Award: \$126,262

d. Project Type: Wastewater Treatment Improvement

Project Sponsor: Sag Harbor Episcopal Church

Summary: Upgrade of existing not-for-profit sanitary system to a new low-nitrogen wastewater treatment system to treat the 3,500 gpd flow from the Sag Harbor Christ Episcopal Church, reducing pollutant inputs to Sag Harbor Bay.

Funding Award: \$143,830

e. Project Type: Wastewater Treatment Improvement

Project Sponsor: Wainscott Sewing Society - Wainscott Chapel

Summary: Upgrade of existing not-for-profit sanitary system to a new low-nitrogen wastewater treatment system to treat the 405.6 gpd flow from the Wainscott Chapel, reducing pollutant inputs to Wainscott Pond.

Funding Award: \$36,655

f. Project Type: Wastewater Treatment Improvement

Project Sponsor: Whalebone Village

Summary: Upgrade of existing not-for-profit sanitary system to a new low-nitrogen wastewater treatment system to treat the 9,750 gpd flow from the Whalebone Affordable Housing Complex, reducing pollutant inputs to Three Mile Harbor.

Funding Award: \$375,000

g. Project Type: Wastewater Treatment Improvement

Project Sponsor: Village of Sag Harbor

Summary: Development of a Sewer Master Plan to dictate an expansion of the existing sewer district in the Village of Sag Harbor to utilize the excess capacity at the Sewage Treatment Plant. The excess capacity could potentially replace 300 existing residential cesspools, reducing pollutant inputs to Sag Harbor Bay.

Funding Award: \$72,400

h. Project Type: Non-Point Pollution Abatement

Project Sponsor: Surfrider Foundation

Summary: Installation of a bioswale bioretention basin along Methodist Lane in the Village of East Hampton to treat the non-point source pollution in the Hook Pond Watershed. The installation of this project will reduce the loading of nutrients, sediment, and bacteria from entering Hook Pond.

Funding Award: \$127,468.65

and be it further,

RESOLVED, that the Town Board of the Town of East Hampton hereby authorizes the Supervisor to sign any and all funding award agreements, which may be in the form of a Contractual Agreement (Outside Non-Municipal Entities), or Inter-Municipal Agreement (Municipal Entities); and be it further

RESOLVED, that the monies to be expended to fund the above projects shall be drawn from the Town of East Hampton Community Preservation Fund Water Quality Budget Account CA8802; and be it further

RESOLVED, that the Town Board of the Town of East Hampton hereby authorizes the Town Finance Department to create water quality capital projects and make any necessary transfers/entries consistent with the terms herein; and be it further

RESOLVED, that these agreements will be prepared by the Town Attorneys Office, and shall commence upon the date of a fully executed agreement; all agreements shall expire one (1) year thereafter, and the Town reserves the right to extend each agreement for two (2) additional periods of one (1) year, if such extension is in the best interest of the Town.

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Jeffrey Bragman, Councilman
<b>SECONDER:</b>	Kathee Burke-Gonzalez, Councilwoman
<b>AYES:</b>	Burke-Gonzalez, Lys, Overby, Bragman, Van Scoyoc

# *Short Environmental Assessment Form*

## *Part 1 - Project Information*


### Instructions for Completing

**Part 1 – Project Information.** The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

<b>Part 1 – Project and Sponsor Information</b>			
Name of Action or Project:			
Project Location (describe, and attach a location map):			
Brief Description of Proposed Action:			
Name of Applicant or Sponsor:		Telephone:	
		E-Mail:	
Address:			
City/PO:		State:	Zip Code:
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:			NO <input type="checkbox"/>
			YES <input type="checkbox"/>
3. a. Total acreage of the site of the proposed action? _____ acres			
b. Total acreage to be physically disturbed? _____ acres			
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ acres			
4. Check all land uses that occur on, are adjoining or near the proposed action:			
5.     Urban           Rural (non-agriculture)           Industrial           Commercial           Residential (suburban)			
<input type="checkbox"/> Forest           Agriculture                           Aquatic           Other(Specify):			
<input type="checkbox"/> Parkland			

5. Is the proposed action, a. A permitted use under the zoning regulations? b. Consistent with the adopted comprehensive plan?	NO	YES	N/A
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels? b. Are public transportation services available at or near the site of the proposed action? c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ _____	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ _____	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?  b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ _____ _____	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input checked="" type="checkbox"/> Wetland <input checked="" type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered? Location is in the vicinity of Bats, Rare Dragonflies, and Damselflies listed as Endangered or Threatened	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
16. Is the project site located in the 100-year flood plan?	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment: _____	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
Rowe Industries, DEC #152106: Remediation complete; Sag Harbor Bridge Street, DEC #152126: No presence of hazardous waste; Bulova Watch Factory, DEC #152139: Environmental easement in place; K - Sag Harbor MGP, DEC #152159: Remediation complete		
<b>I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</b>		
Applicant/sponsor/name: <u>Aidan Corish, Village Trustee, Village of Sag Harbor</u> Date: <u>March 20, 2020</u>		
Signature: <u></u> Title: <u>Village Trustee</u>		