COUNTY OF SUFFOLK

STEVEN BELLONE
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT

COUNCIL ON ENVIRONMENTAL QUALITY

GLORIA RUSSO
CHAIRPERSON
CEQ

NOTICE OF PUBLIC MEETING

Notice is hereby given that the Council on Environmental Quality will convene a regular public meeting at 9:30 a.m. on Wednesday August 20, 2014 in the Arthur Kunz Library, H. Lee Dennison Building, Fourth Floor, Veterans Memorial Highway, Hauppauge, NY 11788. Pursuant to the Citizens Public Participation Act, all citizens are invited to submit testimony, either orally or in writing at the meeting. Written comments can also be submitted prior to the meeting to the attention of:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
Suffolk County Planning Department
P.O. Box 6100
Hauppauge, NY 11788
631-853-5191

Council of Environmental Quality
Gloria Russo, Chairperson

COUNTY OF SUFFOLK

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AGENDA

MEETING NOTIFICATION

Wednesday, August 20, 2014 9:30 a.m.
Arthur Kunz Library
H. Lee Dennison Bldg. - 4th Floor
Veterans Memorial Highway, Hauppauge

All project materials can be found at:

http://www.suffolkcountyny.gov/Departments/Planning/Boards/CouncilonEnvironmentalQuality

Call to Order:

Minutes:
July 2014

Correspondence:

Public Portion:

Historic Trust Docket:
Director's Report:
Updates on Housing Program for Historic Trust Sites
Updates on Historic Trust Custodial Agreements

Project Review:

Recommended Type I Actions:

A. Proposed Cedar Beach Habitat Restoration Demonstration Project, Town of Southold

Recommendations for LADS Report:

A. Recommendations for Legislative Resolutions Laid on the Table June 29, 2014

Other Business:

CAC Concerns:

***CAC MEMBERS:** The above information has been forwarded to your local Legislators, Supervisors and DEC personnel. Please check with them prior to the meeting to see if they have any comments or concerns regarding these projects that they would like brought to the CEQ's attention.

****CEQ MEMBERS:** PLEASE NOTIFY THIS OFFICE AS SOON AS POSSIBLE IF YOU WILL BE UNABLE TO ATTEND.

****FOLLOWING THE MEETING PLEASE LEAVE BEHIND ALL PROJECT MATERIAL THAT YOU DO NOT WANT OR NEED AS WE CAN RECYCLE THESE MATERIALS LATER ON.**

COUNTY OF SUFFOLK

STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT

COUNCIL ON ENVIRONMENTAL QUALITY

Gloria Russo
Chairperson
CEQ

SUFFOLK COUNTY
COUNCIL ON ENVIRONMENTAL QUALITY
MINUTES

DATE: August 20, 2014
TIME: 9:45 am to 11:00 am
LOCATION: Arthur Kunz Library
H. Lee Dennison Bldg. – 4th Floor
Veterans Memorial Highway, Hauppauge, New York

PRESENT:
Gloria Russo, Chair
Eva Growney
Thomas Gulbransen
Hon. Kara Hahn
Dan Pichney
Larry Swanson

ABSENT:
James Bagg, Vice-Chair
Michael Kaufman
Mary Ann Spencer

CAC REPRESENTATIVES:
None

STAFF:
Andrew Freleng, Chief Planner
John Corral, Planner
Christine DeSalvo, Senior Clerk Typist

GUESTS:
Richard Martin, Director of Historic Services, Suffolk County Dept. of Parks, Recreation & Conservation

Nick Gibbons, Principal Environmental Analyst, Suffolk County Dept. of Parks, Recreation & Conservation
Michael Pitcher, Director of Communications, Suffolk County Legislature
Frank Castelli, Environmental Projects Coordinator, Suffolk County Department of Economic Development and Planning
Camilo Salazar, Environmental Analyst (Water Quality), Suffolk County Department of Economic Development and Planning
Legislator Al Krupski, District 1
Catherine Stark, Legislative Aide, Legislative District 1
Alyssa Turano, Legislative Aide, Legislative District 5
Chris Pickerell, Marine Program Director, Cornell Cooperative Extension
Michael Jensen, Sr. PH Sanitarian, Suffolk County Department of Health Services
Lauretta Fischer, Principal Environmental Analyst, Suffolk County Department of Economic Development and Planning

Minutes:

Minutes for the July 16, 2014 CEQ meeting were reviewed and discussed. A motion was made by Mr. Gulbransen to approve the July 16, 2014 minutes. The motion was seconded by Mr. Pichney. Motion carried.

Correspondence:

None

Public Portion:

None

Historic Trust Docket:

Director's Report:

Mr. Martin updated the Council on the following:

- Housing Program:
  Mr. Martin stated that all County rental housing properties are occupied.

- Custodial Agreements:
  Mr. Martin noted that Suffolk County Parks is working to update the Sagtikos Manor Custodial Agreement.

- News
  Mr. Martin informed the Council that the Yaphank Historical Society is celebrating their 40th Anniversary and they wanted to invite everyone to their open house at the Swezey-Avey House on August 23, 2014.

Recommended Type I Actions:

A. Proposed Cedar Beach Creek Habitat Restoration Demonstration Project, Town of Southold.

A presentation on the project was given by Nick Gibbons, Principal Environmental Analyst, Suffolk County Dept. of Parks, Recreation & Conservation and Christopher Pickerell, Marine Program Director at Cornell University Cooperative Extension. It was discussed that the project involves the restoration of 8 acres of lost salt marsh island habitat, the planting of submerged aquatic vegetation and the planting of oysters to create a diverse tidal marsh at Cedar Beach Creek County Park in the Town of Southold. The marsh islands will be created using clean dredged material pumped from adjacent portions of Cedar Beach Creek. The project is expected to serve as a demonstration project that can be used as a model for other sites in Suffolk County that have experienced marsh loss.

It was discussed that Cornell Cooperative Extension of Suffolk County has received a grant from the United States Army Corps of Engineers (ACOE) to conduct this project. Said grant requires the execution of a cooperative agreement between Cornell Cooperative Extension of Suffolk County, Suffolk County and ACOE. It was also noted that a Project Advisory Committee, made up of project stakeholders including the involved regulators, will oversee the planning and implementation of the project.

A discussion between CEQ members and Mr. Pickerell followed. The CEQ members had a number of questions including whether dredged material would be sampled. Mr. Pickerell noted that the dredged material would be sampled as part of the permitting process. It was also noted that all necessary permits/approvals will be obtained from the Town of Southold, the New York State Department of Environmental Conservation, and the United States Army Corps of Engineers prior to commencement of marsh restoration.

Mr. Swanson made a motion to recommend classification of the proposed project as a Type I Action with a negative declaration. The motion was seconded by Ms. Growney. Motion carried.

Recommendations for LADS Report:

A. Recommendations for Legislative Resolutions Laid on the Table June 29, 2014

Mr. Corral noted that the Staff's SEQRA recommendations are listed on the June 29, 2014 LADS report. Mr. Corral noted that Introductory Resolutions 1703-2014, 1705-2014, 1707-2014 are legislative resolutions for projects that have been previously been reviewed by the CEQ. It was also noted that I.R. 1738-2014 is the legislative resolution for the Solar Project at the Gabreski Airport which was reviewed at the CEQ's July Meeting and I.R. 1740-2014 is Cedar Beach Creek Habitat Restoration Demonstration Project which was reviewed at today's CEQ meeting. Mr. Corral also stated that I.R. 1752-2014 thru 1755-2014 are the SEQRA legislative resolutions for all four projects that

were reviewed by the CEQ at its July Meeting.

Hon. Legislator Hahn made a motion to accept staff recommendations for the June 29, 2014 Legislative Resolutions. The motion was seconded by Mr. Swanson. Motion carried.

Other Business:

Mr. Swanson requested an update as to the status of a Modification to the Vector Control Plan involving the use of a mosquito adulticide containing Prallethrin near marine environments which was tabled at the July 16, 2014 meeting. Mr. Corral noted that Mr. Ninivaggi, Supervisor of the Division of Vector Control, had provided some additional information but it was felt that more information was still needed before the CEQ could review the action. Mr. Corral noted that Staff will be working with Mr. Ninivaggi to provide the CEQ with additional information. Ms. Russo noted that she had informed Mr. Corral that additional information was needed before the CEQ reviews the action.

Mr. Gulbransen inquired about the status of a CEQ subcommittee that was formed last year relating to wastewater infrastructure issues. Mr. Corral noted that Staff would look into the status of that subcommittee.

CAC Concerns:

None

Meeting Adjourned

Cornell University
Cooperative Extension
of Suffolk County

Strengthening Families & Communities
Protecting & Enhancing the Environment
Fostering Economic Development
Promoting Sustainable Agriculture

August 6, 2014

Christine DeSalvo
Suffolk County Council on Environmental Quality
Department of Economic Development & Planning
PO Box 6100
H. Lee Dennison Building – 4th Floor
Veterans Memorial Highway
Hauppauge, NY 11788

Dear Christine,

Attached please find a completed Long EAF form for the Cedar Beach Creek Habitat Restoration Demonstration Project to take place at Cedar Beach County Park in Southold. This project is an innovative salt marsh and marine habitat project designed to restore lost marsh habitat. If you have any questions about this project please do not hesitate to contact me.

Sincerely,

Vito A. Minei, P.E.
Executive Director

SUFFOLK COUNTY
FULL ENVIRONMENTAL ASSESSMENT FORM
6 NYCRR Part 617
State Environmental Quality Review

Part 1 – Environment and Setting

Instructions: Part 1 is to be completed by the applicant or project sponsor. 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; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information. If a question is not applicable to the proposed project indicate with "N/A".

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information

Name of Action/Project: The Cedar Beach Creek Habitat Restoration Demonstration Project
Project Location (specify Town, Village, Hamlet and attach general location map*): Southold
Street Address: 3690 Cedar Beach Road
Name of Property or Waterway: Cedar Beach County Park, Cedar Beach Creek

* Maps of Property and Project: Attach relevant available maps including a location map (note: use road map, Hagstrom Atlas, USGS topography map, tax map or equivalent) and preliminary site plans showing orientation, scale, buildings, roads, landmarks, drainage systems, area to be altered by project, etc.

Type of Project: New ☒ Expansion ☐

Capital Program: Item # Date Adopted: Amount: $

Brief Description of Proposed Action (include purpose or need/attach relevant design reports, plans, etc.):
The Cedar Beach Creek Habitat Restoration Demonstration Project is a cooperative habitat restoration project involving the restoration of 8 acres of lost salt marsh island habitat, planting of submerged aquatic vegetation (Ruppia maritima), and planting of oysters (Crassostrea virginica) into a diverse marsh and open water mosaic. The project area is at Cedar Beach Creek in Southold where significan marsh losses have been documented by the NYSDEC. We plan to use clean dredge material, pumped from adjacent portions of Cedar Beach Creek, to create marsh islands that will be vegeted with local native transplant stock of cordgrass (Spartina alterniflora) propagated onsite in a greenhouse. The seagrass will be transplanted by SCUBA divers from seed and the oysters will be planted as spat on shell from local native stock propagated in our onsite shellfish hatchery. The methods developed and refined at this site are expected to be used to reverse marsh loss at other sites throughout Long Island. See project proposal attached for more details on the proposed work.

Project Status:

	Start	Completion
Proposal	N/A	N/A
Study	9/2014	2/2015
Preliminary Planning	9/2014	12/2014
Final Plans: Specs	12/2014	2/2015
Site Acquisition	N/A	N/A
Construction	5/2015	10/2015
Other	N/A	N/A

Departments Involved:

	Dept. Performing Design & Construction	Initiating Dept. (if different)
Name:	CCE/Suffolk County Parks	SC Parks
Street/PO:	423 Griffing Avenue	PO Box 144
City, State:	Riverhead, NY	Sayville, NY
Zip:	11901	11796
Contact Person:	Chris Pickerell	Nick Gibbons
Business Phone:	631 727-7850	631 854-4949
Email:	cp26@cornell.edu	Nick.Gibbons@suffolkcountyny.gov

B. Government Approvals, Funding or Sponsorship
("Funding" includes grants, loans, tax relief and any other forms of financial assistance)

Government Entity			**If "Yes": Identify Agency and Approval(s) Required**	**Application Date (Actual or Projected)**
i. City Council, Town Board or Village Board of Trustees	Yes ☒	No ☐	Southold Town Trustees	2/2015
ii. City, Town or Village Planning Board or Commission	Yes ☐	No ☒		
iii. City, Town or Village Zoning Board of Appeals	Yes ☐	No ☒		
iv. Other local agencies	Yes ☐	No ☒		

v.	County agencies	Yes ☒	No ☐	Parks Department	2/2015
vi.	Regional agencies	Yes ☐	No ☒		
vii.	State agencies	Yes ☒	No ☐	NYS DEC	2/2015
viii.	Federal agencies	Yes ☒	No ☐	UASACOE	2/2015

ix. Coastal Resources
Is the project site within a Coastal Area or the waterfront area of a Designated Inland Waterway? Yes ☒ No ☐

If YES,

Is the project site located in a community with an approved Local Waterfront Revitalization Program?	Yes ☒ No ☐
Is the project site within a Coastal Erosion Hazard Area?	Yes ☒ No ☐

C. Planning and Zoning

C.1. Planning and Zoning Actions

Will administrative or legislative adoption or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? Yes ☒ No ☐

C.2. Adopted Land Use Plans

a. Do any municipally-adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? Yes ☒ No ☐

If Yes:

Does the comprehensive plan include specific recommendations for the site where the proposed action would be located?
Yes ☐ No ☒

b. Is the site of the proposed action within any local or regional special planning district (i.e. Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; et. al)? Yes ☒ No ☐

If Yes, identify the plan(s):

Within the Peoconic Estuary Program area and Southold Town LWRP jurisdiction

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? Yes ☐ No ☒

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance? Yes ☒ No ☐

If Yes, what is the zoning classification(s) including any applicable overlay district?

R80 (no overlays) no additional permits are needed from Southold ZBA

b. Is the use permitted or allowed by a special or conditional use permit? Yes ☐ No ☒

c. Is a zoning change requested as part of the proposed action? **If Yes**, what is the proposed new zoning for the site? [ ]	Yes ☐ No ☒

C.4. Existing Community Services
a. In what school district is the project site located? Southold
b. What police or other public protection forces serve the project site? Southold Police and Suffolk County Parks Police
c. Which fire protection and emergency medical services serve the project site? Southold Fire District
d. What parks serve the project site? Suffolk Conty Parks

D. Project Details

D.1. Proposed and Potential Development	
a. What is the general nature of the proposed action? (if mixed, include all components) Residential ☐; Industrial ☐; Commercial ☐; Recreational ☐; Other ☒: Environmental/Educational	
b. Total acreage of the site of the proposed action:	15 acres
c. Total acreage to be physically disturbed:	12 acres
d. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor:	59 acres
e. Is the proposed action an expansion of an existing project or use? **If Yes,** what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet, etc.)? [ ]	Yes ☐ No ☒
f. Is the proposed action a subdivision, or does it include a subdivision? **If Yes:** *i.* Purpose or type of subdivision? (if mixed, specify types) Residential ☐; Industrial ☐; Commercial ☐; Recreational ☐; Other ☐ *ii.* Is a cluster/conservation layout proposed? Yes ☐ No ☐ Number of lots proposed: Minimum and maximum proposed lot sizes:	Yes ☐ No ☒

g. Will proposed action be constructed in multiple phases?

If No, What is the anticipated period of construction?

If Yes:

Total number of phases anticipated: 3-4
Anticipated commencement date of phase I (including demolition): April 2015
Anticipated completion date of final phase: November 2016
Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: We plan to create the marsh islands over two phases during the first season. Additional phases will involve planting the seagrass and planting oysters during year one and/or year two.

Yes ☒ No ☐

h. Does the project include new residential uses?

If Yes, show number of units proposed.

	Single Family	Two Family	Three Family	Multi-Family (4+)
Initial Phase				
At Completion				

Yes ☐ No ☒

i. Does the proposed action include new non-residential construction (including expansions)?

If Yes:

Total Number of Structures:
Dimensions of largest proposed structure:
Approximate extent of building space to be heated or cooled:

Yes ☐ No ☒

j. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? — Yes ☐ No ☒

If Yes:

Purpose of the impoundment:
If a water impoundment, the principal source of the water: Ground Water ☐; Surface Water Streams ☐; Other ☐ (specify):
If other than water, identify the type of impounded/contained liquids and their source:
Approximate size of the proposed impoundment (include units): Volume: Surface area:
Dimensions of the proposed dam or impounding structure:
Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock wood, concrete):

D.2. Project Operations

a. Does the proposed action include any excavation, mining or dredging, during construction, operations or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) — Yes ☒ No ☐

If Yes:

What is the purpose of the excavation or dredging? Dredging of clean fill to beneficially reuse for marsh island creation
How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site? Volume: 21,000cubic yards Over what duration of time: 2 months
Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them: the dredge material consists of coarse sands that will be used to create the base for marsh islands by hydraulically pumping the material into coir fiber (coconut fiber) log impoundments that will define the marsh island boundaries.

D.2.a (cont.) – only answer following if checked "Yes" above

Will there be onsite dewatering or processing of excavated materials? **If Yes**, describe: dredge material will be dewatered in situ by pumping into coir fiber log impoundments that will allow the water to passively drain
What is the total area to be dredged or excavated? ~3 acres
What is the maximum area to be worked at any one time? 1/4 acre
What would be the maximum depth of excavation or dredging? 5 ft
Will the excavation require blasting? No
Summarize site reclamation goals and plans: the areas to be dredged will be restored to their hitoric depth contours as a result of the dredging process. These areas have filled in over the last several decades and the dredging will return them to a more natural depth prior to filling in by sands moved by seasonal storms.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, water body, shoreline, beach or adjacent area?

Yes ☒ No ☐

If Yes:

Identify the wetland or water body which would be affected (by name, water index number, wetland map number or geographic description): the Cedar Beach Creek tidal wetland will gain 8 acres of new (restored) salt marsh habitat.
Describe how the proposed action would affect that water body or wetland, e.g. excavation, fill, placement of structures or creation of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres: 8 acres of marsh will be created/restored as a result of this work.
Will proposed action cause or result in disturbance to bottom sediments? **If Yes**, describe: Bottom sediments will be moved from one subtidal area and placed in another very shallow subtidal to intertidal area to create marsh islands.
Will proposed action cause or result in the destruction or removal of aquatic vegetation? **If Yes:** Area of vegetation proposed to be removed: N/A Expected acreage of aquatic vegetation remaining after project completion: N/A Purpose of proposed removal (e.g., beach clearing, invasive control, boat access): N/A Proposed method of plant removal: N/A If chemical/herbicide treatment will be used, specify product(s): N/A
Describe any proposed reclamation/mitigation following disturbance: N/A

c. Will the proposed action use or create a new demand for water?

If Yes:

Total anticipated water usage/demand per day: N/A
Will the proposed action obtain water from an existing public water supply? **If Yes:** Name of district/service area: N/A Does the existing public water supply have capacity to serve the proposal? Yes ☐ No ☐ Is the project site in the existing district? Yes ☐ No ☐ Is expansion of the district needed? Yes ☐ No ☐ Do existing lines serve the project site? Yes ☐ No ☐
Will line extension within an existing district be necessary to supply the project? **If Yes:** Describe extensions or capacity expansions proposed to serve this project: N/A Source(s) of supply for the district: N/A
Is a new water supply district or service area proposed to be formed to serve the project site? **If Yes:** Applicant/sponsor for new district: N/A Date application submitted or anticipated: N/A Proposed source(s) of supply for new district: N/A
If a public water supply will not be used, describe plans to provide water supply for the project: N/A
If water supply will be from wells (public or private), what will be the maximum pumping capacity? N/A

Yes ☐ No ☒

d. Will the proposed action generate liquid wastes?

Yes ☐ No ☒

If Yes:

Total anticipated liquid waste generation per day: N/A

Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): N/A

If sanitary wastewater identify proposed disinfection technology and treatment goals for the following:

Disinfection technology:
Nitrogen:
Phosphorus:
Total Suspended Soilds (TSS):
Biological Oxygen Demand (BOD):

Will the proposed action use any existing public wastewater treatment facilities?

If Yes:

Name of wastewater treatment plant to be used: N/A

Name of district: N/A

Does the existing wastewater treatment plant have capacity to serve the project?
Yes ☐ No ☐

Is the project site in the existing district?
Yes ☐ No ☐

Is expansion of the district needed?
Yes ☐ No ☐

Do existing sewer lines serve the project site?
Yes ☐ No ☐

Will line extension within an existing district be necessary to serve the project?

If Yes:

Describe extensions or capacity expansions proposed to serve this project: N/A

Will a new wastewater (sewage) treatment district be formed to serve the project site?

If Yes:

Applicant/Sponsor for new district: N/A

Date application submitted or anticipated: N/A

What is the receiving water for the wastewater discharge? N/A

If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

Describe any plans or designs to capture, recycle or reuse liquid waste:

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? **If Yes:** How much impervious surface will the project create in relation to total size of project parcel? Area of Impervious Surface: Area of Parcel: Describe types of new point sources: Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? If to surface waters, identify receiving water bodies or wetlands: Will stormwater runoff flow to adjacent properties? Yes ☐ No ☐ Does proposed plan minimize impervious surfaces use pervious materials or collect and re-use stormwater? Yes ☐ No ☐	Yes ☐ No ☒
f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? **If Yes,** identify: Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles): Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers): Stationary sources during operations (e.g., process emissions, large boilers, electric generation):	Yes ☐ No ☒
g. Will any air emission sources named in D.2.f (above) require a NY State Air Registration, Air Facility Permit or Federal Clean Air Act Title IV or Title V Permit? **If Yes:** Is the project site located in an Air Quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes ☐ No ☐ In addition to emissions as calculated in the application, the project will generate: - Tons/year (metric) of Carbon Dioxide (CO_2) - Tons/year (metric) of Nitrous Oxide (N_2O) - Tons/year (metric) of Perfluorocarbons (PFCs) - Tons/year (metric) of Sulfur Hexafluoride (SF_6) - Tons/year (metric) of Carbon Dioxide equivalent of Hydroflorocarbons (HFCS) - Tons/year (metric) of Hazardous Air Pollutants (HAPs)	Yes ☐ No ☒

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? **If Yes:** Estimate methane generation in tons/year (metric): Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring):	Yes ☐ No ☒
i. Will the proposed action result in the release of air pollutants from open-air operations or processes such as quarry or landfill operations? **If Yes,** describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):	Yes ☐ No ☒
j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? **If Yes:** When is the peak traffic expected? (check all that apply) Morning ☐; Evening ☐; Weekend ☐; Randomly ☐ between the hours of to For commercial activities only, projected number of semi-trailer truck trips/day: Parking spaces: Existing: Proposed: Net Increase/Decrease: Does the proposed action include any shared use parking? Yes ☐ No ☐ If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? Yes ☐ No ☐ Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? Yes ☐ No ☐ Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes ☐ No ☐	Yes ☐ No ☒
k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? **If Yes:** Estimate annual electricity demand during operation of the proposed action: Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility or other): Will the proposed action require a new, or an upgrade to, an existing substation? Yes ☐ No ☐	Yes ☐ No ☒

l. Hours of operation (Answer all items which apply)

During Construction	During Operations
Monday-Friday: 9-5	Monday-Friday: N/A
Saturday: N/A	Saturday: N/A
Sunday: N/A	Sunday: N/A
Holidays: N/A	Holidays: N/A

N/A ☐

m. Does the proposed action produce noise that will exceed existing ambient noise levels during construction, operation or both?

If Yes:

Provide details including sources, time of day and duration:
Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes ☐ No ☐ Describe:

Yes ☐ No ☒

n. Will the proposed action have outdoor lighting?

If Yes:

Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:
Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes ☐ No ☐ Describe:

Yes ☐ No ☒

o. Does the proposed action have the potential to produce odors for more than one hour per day?

If Yes:

Describe possible sources, potential frequency and duration of odor emissions and proximity to nearest occupied structures:

Yes ☐ No ☒

p. Will the proposed action include any bulk storage of petroleum (over 1,100 gallons) or chemical products (over 550 gallons)?

If Yes:

Product(s) to be stored:
Volume(s): per unit time: (e.g., month, year)
Generally describe proposed storage facilities:

Yes ☐ No ☒

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?

If Yes:

Describe proposed treatment(s):
Will the proposed action use Integrated Pest Management Practices? Yes ☐ No ☐

Yes ☐ No ☒

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? **If Yes:** Describe any solid waste(s) to be generated during construction or operation of the facility: Construction: tons per (unit of time) Operation: tons per (unit of time) Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: Construction: Operation: Proposed disposal methods/facilities for solid waste generated on-site: Construction: Operation:	Yes ☐ No ☒
s. Does the proposed action include construction or modification of a solid waste management facility? **If Yes:** Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill or other disposal activities): Anticipated rate of disposal/processing: tons/month, if transfer or other non-combustion/thermal treatment, or tons/hour, if combustion or thermal treatment If landfill, anticipated site life: years	Yes ☐ No ☒
t. Will proposed action at the site involve the commercial generation, treatment, storage or disposal of hazardous waste? **If Yes:** Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: Generally describe processes or activities involving hazardous wastes or constituents: Specify amount to be handled or generated: tons/month Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes ☐ No ☐ **If Yes:** Provide name and location of facility: **If No:** Describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:	Yes ☐ No ☒

u. Will proposed action adhere to Leadership in Energy and Environmental Design (LEED) or any other green building principals? **If Yes:** Describe proposed green building methods and attempted level of certification, if any:	Yes ☐ No ☒
v. Does the project sponsor propose the use of energy benchmarking to monitor and adjust project energy needs? **If Yes, explain:**	Yes ☐ No ☒
w. Will the proposed action use native plants for all landscaping needs? **Identify species to be used and method of irrigation:** Local native seed stock will be used to grow marsh grasses for restoration purposes.	Yes ☒ No ☐
x. Does the proposed action promote local tourism? **If Yes, explain:** This site could serve as a recreational destination for passive environemental education	Yes ☒ No ☐

E. Site and Setting of Proposed Action

E.1. Land Uses on and Surrounding the Project Site

a. Existing land uses (Check all uses the occur on, adjoining and near the project site): (include map)

Urban ☐ Industrial ☐ Commercial ☐ Residential ☒ Rural ☒
Forest ☐ Agriculture ☐ Aquatic ☒ Other ☐ Specify: Educational

If mix of uses, generally describe: This is the site of an education facility with Salt Marsh and Open Water habitat

b. Land uses and cover types on the project site:

Land Use or Cover Type	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
Roads, buildings and other paved or impervious surfaces	2	2	0
Forested	2	2	0
Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	10	10	0
Agricultural (includes active orchards, fields, greenhouse, etc.)	0	0	0
Surface water features (lakes, ponds, streams, rivers, etc.)	20	12	-8
Wetlands (freshwater or tidal)	13	21	+8
Non-Vegetated (bare rock, earth or fill)	3	3	0
Other Describe: Beach	9	9	0
TOTAL:	59	59	0

c. Is the project site presently used by members of the community for public recreation? **If Yes,** explain: Passive user for kayaking, bird watching and fishing.	Yes ☒ No ☐
d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers or group homes) within 1,500 feet of the project site? **If Yes,** identify facilities: The Suffolk County Marine Environmental Learning Center is located on the property	Yes ☒ No ☐
e. Does the project site contain an existing dam? **If Yes:** Dimensions of the dam and impoundment: - Dam height: feet - Dam length: feet - Surface area: acres - Volume impounded: gallons or acre-feet Dam's existing hazard classification: Provide date and summarize results of last inspection:	Yes ☐ No ☒
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? **If Yes:** Has the facility been formally closed? Yes ☐ No ☐ If Yes, cite sources/documentation: Describe the location of the project site relative to the boundaries of the solid waste management facility: Describe any development constraints due to the prior solid waste activities:	Yes ☐ No ☒
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? **If Yes:** Describe waste(s) handled and waste management activities, including approximate time when activities occurred:	Yes ☐ No ☒

h. Has there been a reported contamination spill at the proposed project site or have any remedial actions been conducted at or adjacent to the proposed site?

Yes ☐ No ☒

If Yes:

Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? (Check all that apply)

☐ Yes – Spills Incidents database Provide DEC ID number(s):

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s):

☐ Neither database

If site has been subject to RCRA corrective activities, describe control measures:

Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes ☐ No ☐

If Yes:

DEC ID number(s):

Describe current status of site(s):

E.1.h. (cont.) – only answer following if checked "Yes" above

Is the project site subject to an institutional control limiting property uses?

If Yes:

DEC site ID number(s):

Describe the type of institutional control (e.g., deed restriction or easement):

Describe any use limitations:

Describe any engineering controls:

Will the project affect the institutional or engineering controls in place? Yes ☐ No ☐

Explain:

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site:
300 feet

b. Are there bedrock outcroppings on the project site?

Yes ☐ No ☒

If Yes:

What proportion of the site is comprised of bedrock outcroppings?
%

c. Predominant soil type(s) present on project site: (include map)

1. Salt Marsh	100% of site
2.	% of site
3.	% of site
4.	% of site

d. What is the average depth to the water table on the project site?
6"

e. Drainage status of project site soils:

1. ☐ Well Drained	% of site
2. ☐ Moderately Well Drained	% of site
3. ☒ Poorly Drained	100% of site

f. Approximate proportion of proposed action site with slopes: (include topographic map)

1. ☒ 0-10%	100% of site
2. ☐ 11-15%	% of site
3. ☐ 16% or greater	% of site

g. Are there any unique geologic features on the project site? Yes ☐ No ☒

If Yes, describe:

h. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes ☒ No ☐

i. Do any wetlands or other waterbodies adjoin the project site? Yes ☒ No ☐

If Yes to either E.2.h or E.2.i, continue. If No, skip to E.2.m

j. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? (include map) Yes ☒ No ☐

k. For each identified wetland and waterbody on the project site, provide the following information:

Streams:	Name:	Classification:
Lakes or Ponds:	Name:	Classification:
Wetlands:	Name: Cedar Beach Creek	Approx. Size: 13 acres
Wetland No. (if regulated by DEC):		

l. Are any of the above waterbodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes ☐ No ☒

If Yes, name of impaired water body/bodies and basis for listing as impaired:

m. Is the project site in a designated floodway? Yes ☒ No ☐

n. Is the project site in the 100 year floodplain? Yes ☒ No ☐

o. Is the project site in the 500 year floodplain? Yes ☒ No ☐

p. Is the project site located over or immediately adjoining a primary, principal or sole source aquifer? Yes ☐ No ☒

If Yes:

Name of aquifer:
Source of information:

q. Identify the predominant wildlife species that occupy or use the project site:

waterfowl	shellfish	
finfish		

r. Does the project site contain a designated significant natural community? Yes ☒ No ☐

If Yes:

Describe the habitat/community (composition, function and basis for designation: Salt Marsh
Source(s) of description or evaluation: NYS Natural Heritage Program
Extent of community/habitat: - Currently: 13 acres - Following completion of project as proposed: 21 acres - Gain or loss (indicate + or –): 8 acres

s. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? Yes ☐ No ☒

If Yes:

Species and listing (endangered or threatened):
Nature of use of site by the species (e.g., resident, seasonal, transient):

t. Does project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? Yes ☐ No ☒

If Yes:

Species and listing:
Nature of use of site by the species (e.g., resident, seasonal, transient):

u. Is the project site or adjoining area currently used for hunting, trapping, fishing or shellfishing? Yes ☒ No ☐

If Yes, give a brief description of how the proposed action may affect that use:

this project will enhance that use by creating additional habitat.

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes ☐ No ☒

If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? Yes ☐ No ☒

If Yes:

Acreage(s) on project site:
Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to a registered National Natural Landmark? **If Yes:** Nature of the natural landmark: ☐ Biological Community; ☐ Geological Feature Provide brief description of landmark, including values behind designation and approximate size/extent:	Yes ☐ No ☒
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area, including Special Groundwater Protection Areas? **If Yes:** CEA name: Basis for designation: Designating agency and date:	Yes ☐ No ☒
e. Does the project site contain, or is it substantially contiguous to, a building, archeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places? **If Yes:** Nature of historic/archaeological resource: ☐ Archaeological Site; ☐ Historic Building or district Name: Brief description of attributes on which listing is based:	Yes ☐ No ☒
f. 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?	Yes ☐ No ☒
g. Have additional archaeological or historic site(s) or resources been identified on the project site? **If Yes:** Describe possible resource(s): Basis for identification:	Yes ☐ No ☒
h. Would the project site be visible from any officially designated and publicly assessable federal, state or local scenic or aesthetic resource? **If Yes:** Identify resource: Nature of, or basis for designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Distance between project and resource:	Yes ☐ No ☒
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR Part 666? **If Yes:** Identify the name of the river and its designation: Is the activity consistent with development restrictions contained in 6 NYCRR Part 666? Yes ☐ No ☐	Yes ☐ No ☒

F. Additional Information

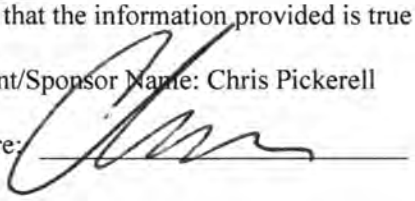
Attach any additional information which may be needed to clarify your project.
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name: Chris Pickerell

Date: 8/5/14

Signature: 

Title: Marine Program Director

SUFFOLK COUNTY
FULL ENVIRONMENTAL ASSESSMENT FORM
6 NYCRR Part 617
State Environmental Quality Review

Part 2 – Identification of Potential Project Impacts

Instructions: Part 2 is to be completed by the lead agency. It is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

Tips for completing Part 2:

- _____ Review all of the information provided in Part 1.
- _____ Review any application, maps, supporting materials and the Full EAF Workbook.
- _____ Answer each of the 18 questions in Part 2.
- _____ If you answer "**YES**" to a numbered question, please complete all the questions that follow in that section.
- _____ If you answer "**NO**" to a numbered question, move on to the next numbered section.
- _____ Check appropriate column to indicate the anticipated size of the impact.
- _____ Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "**Moderate to large impact may occur**."
- _____ The reviewer is not expected to be an expert in environmental analysis.
- _____ If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- _____ When answering a question consider all components of the proposed activity, that is, the "whole action."
- _____ Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- _____ Answer the question in a reasonable manner considering the scale and context of the project.

1. _____ **Impact on Land**
The proposed action may involve construction on, or physical alteration of the land surface of the proposed site. (See Part 1.D.1) YES ☒ NO ☐
If "YES", answer questions a-h. If "NO", move on to Section 2.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may involve construction on land where depth to water table is less than 3 feet.	E.2.d	☒	☐
b. _____ The proposed actin may involve construction on slopes of 15% or greater.	E.2.f	☒	☐
c. _____ The proposed actin may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E.2.a	☒	☐
d. _____ The proposed action may involve the excavation and removal of more than 1,000 tons of natural	D.2.a	☒	☐

material.			
e. _____ The proposed action may involve construction that continues for more than one year or in multiple phases.	D.1.g	☒	☐
f. _____ The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D.2.e D.2.q	☒	☐
g. _____ The proposed action is, or may be, located within a Coastal Erosion hazard area.	B.*ix*	☒	☐
h. _____ Other impacts:		☐	☐

2. _____ Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1.E.2.g)

YES ☐ NO ☒

If "YES", answer questions a-c. If "NO", move on to Section 3.

	Relevant Part 1 Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. _____ Identify the specific land form(s):	E.2.g	☐	☐
b. _____ The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature:	E.3.c	☐	☐
c. _____ Other impacts:		☐	☐

3. _____ Impact on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes).
(See Part 1.D.2 & E.2.h)

YES ☒ NO ☐

If "YES", answer questions a-l. If "NO", move on to Section 4.

	Relevant Part 1 Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. _____ The proposed action may create a new water body	D.1.j D.2.b	☒	☐
b. _____ The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D.2.b	☒	☐
c. _____ The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D.2.a	☐	☒
d. _____ The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E.2.h E.2.i	☒	☐
e. _____ The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by	D.2.a D.2.h	☒	☐

disturbing bottom sediments.			
f. _____ The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D.2.c	☒	☐
g. _____ The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D.2.d	☒	☐
h. _____ The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D.2.e	☒	☐
i._____ The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E.2.h – E.2.l	☒	☐
j._____ The proposed action may involve the application of pesticides or herbicides in or around any water body.	D.2.q E.2.h – E.2.l	☒	☐
k. _____ The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D.1.a D.2.d	☒	☐
l._____ Other impacts:		☐	☐

4. _____ **Impact on Groundwater**
The proposed action may result in new or additional use of groundwater, or may have the potential to introduce contaminants to groundwater or an aquifer. (See Part 1.D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)
If "YES", answer questions a-h. If "NO", move on to Section 5.
YES ☐ NO ☒

	Relevant Part 1 Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. _____ The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D.2.c	☐	☐
b. _____ Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source:	D.2.c	☐	☐
c. _____ The proposed action may allow or result in residential uses in areas without water and sewer services.	D.1.a D.2.c – D.2.d	☐	☐
d. _____ The proposed action may include or require wastewater discharged to groundwater.	D.2.d E.2.p	☐	☐
e. _____ The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D.2.c E.1.f – E.1.h	☐	☐
f. _____ The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D.2.p E.2.p	☐	☐
g. _____ The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	D.2.q E.2.h – E.2.l E.2.p D.2.c	☐	☐

h. _____ Other impacts:		☐	☐

5. _____ **Impact on Flooding**

The proposed action may result in development on lands subject to flooding. (See Part 1.E.2) YES ☐ NO ☒

If "YES", answer questions a-g. If "NO", move on to Section 6.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may result in development in a designated floodway.	E.2.m	☐	☐
b. _____ The proposed action may result in development within a 100 year floodplain.	E.2.n	☐	☐
c. _____ The proposed action may result in development within a 500 year floodplain.	E.2.o	☐	☐
d. _____ The proposed action may result in, or require, modification of existing drainage patterns.	D.2.b D.2.e	☐	☐
e. _____ The proposed action may change flood water flows that contribute to flooding.	D.2.b E.2.m – E.2.o	☐	☐
f._____ If there is a dam located on the site of the proposed action, the dam has failed to meet one or more safety criteria on its most recent inspection.	E.1.e	☐	☐
g. _____ Other impacts:		☐	☐

6. _____ **Impact on Air**

The proposed action may include a state regulated air emission source. (See Part 1.D.2.f, D.2.h, D.2.g) YES ☐ NO ☒

If "YES", answer questions a-f. If "NO", move on to Section 7.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. _____ More than 1000 tons/year of carbon dioxide (CO2)	D.2.g	☐	☐
ii. _____ More than 3.5 tons/year of nitrous oxide (N20)	D.2.g	☐	☐
iii. _____ More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D.2.g	☐	☐
iv. _____ More than .045 tons/year of sulfur hexafluoride (SF6)	D.2.g	☐	☐
v. _____ More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflurocarbons (HCFCs) emissions	D.2.g	☐	☐
vi. 43 tons/year or more of methane	D.2.h	☐	☐
b. _____ The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous	D.2.g	☐	☐

air pollutants.			
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU=s per hour.	D.2.f D.3.g	☐	☐
d. _____ The proposed action may reach 50% of any two or more of the thresholds in "a" through "c", above.	D.1.i D.2.k	☐	☐
e. _____ The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D.2.s	☐	☐
f. _____ Other impacts:	☒	☐	☐

7. _____ Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. YES ☒ NO ☐

(See Part 1.E.2.q – E.2.u)

If "YES", answer questions a-j. If "NO", move on to Section 8.

	Relevant Part 1 Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. _____ The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E.2.s	☒	☐
b. _____ The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E.2.s	☒	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E.2.t	☒	☐
d. _____ The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E.2.t	☒	☐
e. _____ The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E.3.c	☒	☐
f._____ The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source:	E.2.r	☒	☐
g. _____ The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E.2.q	☒	☐
h. _____ The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source:	E.1.b	☒	☐
i._____ Proposed action (commercial, industrial or recreational projects, only) involves use of	D.2.q	☒	☐

herbicides or pesticides.			
j._____ Other impacts:		☐	☐

8. _____ **Impact on Agricultural Resources**

The proposed action may impact agricultural resources. (See Part 1.E.3.a & E.3.b) YES ☐ NO ☒

If "YES", answer questions a-h. If "NO", move on to Section 9.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E.2.c E.3.b	☐	☐
b. _____ The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc.).	E.1.a E.1.b	☐	☐
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E.3.b	☐	☐
d. _____ The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District or more than 10 acres if not within an Agricultural District.	E.1.b E.3.a	☐	☐
e. _____ The proposed action may disrupt or prevent installation of an agricultural land management system.	E.1.a E.1.b	☐	☐
f._____ The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C.2.c, C.3 D.2.c, D.2.d	☐	☐
g. _____ The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C.2.c	☐	☐
h. _____ Other impacts:		☐	☐

9. _____ **Impact on Aesthetic Resources**

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (See Part 1.E.1.a, E.1.b, E.3.h) YES ☒ NO ☐

If "YES", answer questions a-g and complete Appendix B - Visual EAF Addendum. If "NO", move on to Section 10.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E.3.h	☒	☐
b. _____ The proposed action may	C.2.b	☒	☐

result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E.3.h		
c. The proposed action may be visible from publicly accessible vantage points:			
i. Seasonally (e.g., screened by summer foliage, but visible during other seasons)	E.3.h	☒	☐
ii. Year round	E.3.h	☒	☐
d. _____ The situation or activity in which viewers are engaged while viewing the proposed action is:	E.3.h		
i. Routine travel by residents, including travel to and from work	E.2.u	☒	☐
ii. Recreational or tourism based activities	E.1.c	☒	☐
e. _____ The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E.3.h	☒	☐
f._____ There are similar projects visible within the following distance of the proposed project:	D.1.a		
0 – ½ mile	D.1.h	☒	☐
½ – 3 mile	D.1.i	☒	☐
3 – 5 mile	E.1.a	☒	☐
5+ mile		☒	☐
g. _____ Other impacts:		☐	☐

10. _____ Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to an historic or archaeological resource. (See Part 1.E.3.e, E.3.f, E.3.g) YES ☐ NO ☒

If "YES", answer questions a-e. If "NO", move on to Section 11.

	Relevant Part 1 Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. _____ The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E.3.e	☐	☐
b. _____ The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E.3.f	☐	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source:	E.3.g	☐	☐
d. _____ Other impacts:		☐	☐
e. _____ If any of the above (a-d) are answered "Yes", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E.3.e – E.3g	☐	☐

ii. The proposed action may result in the alteration of the property's setting or integrity.	E.1.a, E.1.b E.3.e – E.3.g	☐	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	C2, C3 E.3.g, E.3.h	☐	☐

11. _____ Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1.C.2.c, E.1.c, E.2.u)

YES ☐ NO ☒

If "YES", answer questions a-e. If "NO", move on to Section 12.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, and wildlife habitat.	D.2.e, E.1.b E.2.h – E.2.l E.2.q – E.2.t	☐	☐
b. _____ The proposed action may result in the loss of a current or future recreational resource.	C.2.a, C.2.c E.1.c, E.2.u	☐	☐
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C.2.a, C.2.c E.1.c, E.2.u	☐	☐
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C.2.c, E.1.c	☐	☐
e. _____ Other impacts:		☐	☐

12. _____ Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1.E.3.d)

YES ☒ NO ☐

If "YES", answer questions a-c. If "NO", move on to Section 13.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E.3.d	☒	☐
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E.3.d	☒	☐
c. _____ Other impacts:		☐	☐

13. _____ Impact on Transportation

The proposed action may result in a change to existing transportation systems. (See Part 1.D.2.j)

YES ☐ NO ☒

If "YES", answer questions a-f. If "NO", move on to Section 14.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ Projected traffic increase	D.2.j	☐	☐

may exceed capacity of existing road network.			
b. _____ The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D.2.j	☐	☐
c. _____ The proposed action will degrade existing transit access.	D.2.j	☐	☐
d. _____ The proposed action will degrade existing pedestrian or bicycle accommodations.	D.2.j	☐	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D.2.j	☐	☐
f._____ Other impacts:		☐	☐

14. _____ **Impact on Energy**
The proposed action may cause an increase in the use of any form of energy (See Part 1.D.2.k) YES ☐ NO ☒
If "YES", answer questions a-e. If "NO", move on to Section 15.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action will require a new, or an upgrade to an existing, substation.	D.2.k	☐	☐
b. _____ The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D.1.h D.1.i D.2.k	☐	☐
c. _____ The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D.2.k	☐	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D.1.i	☐	☐
e. _____ Other impacts:		☐	☐

15. _____ **Impact on Noise, Odor and Light**
The proposed action may result in an increase in noise, odors or outdoor lighting (See Part 1.D.2.m, D.2.n, D.2.o) YES ☒ NO ☐
If "YES", answer questions a-f. If "NO", move on to Section 16.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may produce sound above noise levels established by local regulation.	D.2.m	☒	☐
b. _____ The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D.2.m E.1.d	☒	☐
c. _____ The proposed action may result in routine odors for more than one hour per day.	D.2.o	☒	☐
d. _____ The proposed action may result in light shining onto adjoining properties.	D.2.n	☒	☐
e. The proposed action may result in lighting that creates sky-glow brighter than existing-area conditions.	D.2.n E.1.a	☒	☐

f._____ Other impacts:		☐	☐

16. _____ Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants (See Part 1.D.2.q, E.1.d, E.1.f, E.1.g, E.1.h) YES ☐ NO ☒

If "YES", answer questions a-m. If "NO", move on to Section 17.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E.1.d	☐	☐
b. _____ The site of the proposed action is currently undergoing remediation.	E.1.g, E.1.h	☐	☐
c. _____ There is a completed emergency spill remediation or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E.1.g E.1.h	☐	☐
d. _____ The site of the action is subject to an institutional control limiting the use of the property (e.g. easement, deed restriction)	E.1.g E.1.h	☐	☐
e. _____ The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E.1.g E.1.h	☐	☐
f._____ The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D.2.t	☐	☐
g. _____ The proposed action involves construction or modification of a solid waste management facility.	D.2.q E.1.f	☐	☐
h. _____ The proposed action may result in the unearthing of solid or hazardous waste.	D.2.q E.1.f	☐	☐
i._____ The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D.2.r D.2.s	☐	☐
j._____ The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E.1.f – E.1.h	☐	☐
k. _____ The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E.1.f E.1.g	☐	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D.2.r, D.2.s E.1.f	☐	☐
m._____ Other impacts:		☐	☐

17. _____ Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. (See Part 1.C.1, C.2, C.3) YES ☐ NO ☒

If "YES", answer questions a-h. If "NO", move on to Section 18.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C.2, C.3, D.1.a, E.1.a, E.1.b	☐	☐
b. _____ The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C.2	☐	☐
c. _____ The proposed action is inconsistent with local land use plans or zoning regulations.	C.2, C.3	☐	☐
d. _____ The proposed action is inconsistent with any County plans, or other regional land use plans.	C.2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C.3 D.1.e, D.1.f, D.1.h, E.1.b	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C.4, D.2.c, D.2.d, D.2.j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C.2.a	☐	☐
h. _____ Other impacts:		☐	☐

18. _____ Consistency with Community Character

The proposed action is inconsistent with the existing community character (See Part 1.C.2, C.3, D.2, E.3) YES ☐ NO ☒

If "YES", answer questions a-g. If "NO", move on to Part 3.

	Relevant Part 1 Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. _____ The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E.3.e, E.3.f, E.3.g	☐	☐
b. _____ The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C.4	☐	☐
c. _____ The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C.2, C.3,D.1.h, D.1.i, E.1.a	☐	☐
d. _____ The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C.2, E.3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C.2, C.3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C.2, C.3, E.1.a, E.1.b, E.2.g – E.2.l	☐	☐
g. _____ Other impacts:		☐	☐

SUFFOLK COUNTY
FULL ENVIRONMENTAL ASSESSMENT FORM
6 NYCRR Part 617
State Environmental Quality Review

Part 3 – Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

In regards to Question 3.c. in Part II of the EAF - "The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body" please note that the dredging work must be reviewed and approved by the New York State Department of Environmental Conservation and the Unites States Army Core of Engineers. This EAF Part III also includes the attached Project Narrative and Design Plans and Maps which provide a detailed description of the existing conditions, the proposed project plans, and the positive environmental impacts that will result from the project. This Project Narrative also describes the project coordination that will take place between the involved Federal, State and Local regulatory agencies.

Cedar Beach Creek Habitat Restoration Demonstration Project
Project Narrative

The proposed project involves use of cutting-edge estuarine habitat restoration methods combined with an unprecedented degree of collaboration between regulators and managers at all levels of federal, state and local government to ensure project success. Our plan calls for the creation of new intertidal (*Spartina*) marsh islands to restore marsh function in an area that has suffered an extraordinary marsh loss, in addition to oyster seeding along the wetland fringe, creation of an intertidal oyster reef, and establishment of new seagrass meadows. The complexity and scale of this project is unique with regard to coastal restoration projects in this region and is only possible through the unique set of skills and capabilities of the project leaders and partners (see Coordination and Cooperation Section). Everything that is proposed herein addresses specific needs identified in federal, state and regional habitat restoration plans as described below:

Federal

The NEP-designated Peconic Estuary Program (USEPA funded)

The project site is within a federally designated "Estuary of National Significance." The proposed work addresses many goals of the Peconic Estuary Program Comprehensive Conservation and Management Plan (CCMP) including the protection and enhancement of seasonal, breeding, and feeding grounds for finfish, shellfish, waterfowl, and shorebirds (CCMP Objective 4-2); protection and restoration of tidal marsh and seagrass ecosystems (CCM Objective 4-3); restoration of degraded habitat to maintain or increase native species and community diversity (CCMP Objective 4-4); and promotion of coordination and cooperation among agencies and other stakeholders to maximize habitat protection, stewardship, and restoration (CCMP Objective 4-7). (See letters of support and cooperation from the Director and Coordinator of the Peconic Estuary Program).

In addition, the Peconic Estuary Program Habitat Restoration Plan directly addressed the need to restore tidal wetlands where possible and completion of this project would directly address a major recommendation of this report. The specific area proposed for this restoration project was identified as an area of significant marsh loss in a 2002 study by the New York State Department of Environmental Conservation looking at tidal wetland losses in this region (see below in "State" section).

The Peconic Estuary Program Habitat Restoration Plan (December, 2000) also provides specific guidance as to the most effective way to restore salt marsh vegetation. The following recommendations outlined in this document will be used to guide our restoration efforts:

- Use plants propagated from local seed stock whenever possible.
- One foot plant spacing is recommended for *Spartina alterniflora*, to ensure adequate planting density.
- Exclusion fencing and/or debris barriers may be necessary to prevent vegetative losses.

New York State

This project directly addresses New York State Department of Environmental Conservation's "Strategy for Addressing Loss of Intertidal Marsh in the Marine District". In order to evaluate the effectiveness of the state's tidal wetlands program in protecting wetlands under the Tidal Wetlands Act (Article 25 of the Environmental Conservation Law), a tidal wetlands trends analysis was conducted by NYDEC. The analysis used color infrared aerial photography and geographic information system (GIS) technology.

As part of this work Cedar Beach Creek, the project site, was specifically identified and described as an area of accelerated marsh loss for the region. In total 8.56 acres of intertidal marsh were lost from this creek system between 1974 and 2002. This represents a 43.4% loss of marsh at a rate of 0.3acres lost/year. No additional quantitative studies have been conducted at this site since 2002, but a comparison of a time series of aerial photos for the decade from 2002 to 2012, by the project partners, indicates continued marsh losses including the landward migration of the marsh edges as well as reduction in the size of the remaining marsh islands. For this reason it is likely that marsh losses at Cedar Beach far exceed the 8.56 acres identified in 2002.

In order to address the losses identified at Cedar Beach Creek, as well as other parts of the NY Marine District, NYSDEC has recommended the initiation of pilot demonstration marsh restoration projects in areas where losses are greater than 10% total. In addition the policy states; "where determined feasible, initiate full scale remediation and restoration."

The guidance goes on to say that the NYDEC will:

1. Work with the identified partners, government and non-government organizations to develop a comprehensive habitat management plans, and;
2. Identify appropriate partners and landowners and seek funding for restoration and correction of causes where and when appropriate.

Significant involvement by NYSDEC regional staff will ensure that this project addresses any concerns they may have.

Local: Southold Town

The Natural Resources and Environmental Protection section of the new Southold Town Comprehensive Plan (2013) calls for restoration of tidal wetland habitats to foster their continued existence as natural systems. The body most involved with the protection and preservation of coastal resources is a group of elected officials known as "Town Trustees". The Trustees review permit applications for any waterfront activities and also oversee habitat restoration work. The Trustees are very supportive of this proposed project and one representative has agreed to sit on the project advisory committee to help guide the restoration efforts and ensure a streamlined permitting process. (See letter of cooperation from Trustee David Bergen.)

Historic Condition of the Restoration Site:
A historic aerial photo of the project site from 1930 (See Maps and Photos Section) shows an extensive marsh system present at that time. Unfortunately sometime before 1930 the creek inlet was moved and a new inlet was created which resulted in the deposition of large amounts of fill on the wetlands on the eastern portion of Cedar Beach Park, which was at the time private property. Following these changes, it appears that the marsh began to decline as a significant portion of the marsh was filled and the sedimentation and erosion patterns were altered. Following those initial impacts the marsh began to break up. A trends analysis study by the NYSDEC in 2002 showed that this area has experienced a considerable decline in marsh area from 1974 to 2002. During this period marsh losses exceeded 43% which translates to a rate of 0.8acres lost/year. Losses since 2002 have continued, but the exact amount and rate have not been determined. It is believed that these losses have been caused by sea level rise and limitation in the growth of the *Spartina* growing in peat. Also, as the marsh has become further fragmented it has facilitated increased feeding by geese and swans which tend to work the edges of the vegetation.

Since the marsh is currently in a downward spiral of vegetation loss and what appears to be a reduced level of productivity, it is necessary to reverse this trend through the restoration of large continuous vegetated areas. These areas will be more vigorous and less susceptible to feeding by waterfowl and should bring a level of productivity to the system that is lacking.

Given the interest in this creek following the discovery that the site was experiencing considerable marsh loss and the fact that the site is a publically-owned county park the managers allowed for the installation of a surface elevation table (SET) in the less disturbed portion of the marsh growing in peat. The SET is a portable mechanical leveling device for measuring the relative elevation change of wetland sediments. The SET system installed here in April 2011 by The Nature Conservancy in cooperation with the USEPA and the USFWS has allowed managers to track the status of this marsh. Over the last approximately 2 years, this marsh has experienced a rate of overall elevation change of +4.38mm/year and a rate of surface accretion change of +7.96mm/year. Although this rate exceeds the historic rate of sea level rise (SLR), estimated to be approximately +3mm/year, it is not keeping pace with the short term rate of sea level rise measured at +8.9mm/year in this region over the last 4 years (NOAA data). It is not clear why the vegetation here is not keeping pace with SLR, but this deficit could be related to subsurface processes or a disruption in mobile sediment supply. The fact that the existing vegetation is growing in peat may be the most significant factor limiting accretion rates as this can alter root and rhizome production, pore water chemistry, soil shear strength and belowground decomposition rates that may limit the marsh's ability to keep pace with SLR. Bringing in clean sand to create new marsh islands will avoid these concerns and allow for high vigor *Spartina* to flourish.

In addition, creating elevations on the islands that are at the upper limit of the current intertidal low marsh range (based on biological benchmarks) will ensure that the initial marsh elevation are as high as it can be to outpace SLR. It is expected that the growth of

the cordgrass on the sandy soil will outpace that of the peat areas and there will be no lack of surface accretion on the new marsh islands. Based on the beneficial growth conditions we expect the surface accretion rate on the new islands to exceed the +7.96mm/year that is characteristic of the existing marsh.

With regard to oyster populations in the region, there has been a decline since the collapse of the oystering industry dating from the late 19th and early 20th century. During that time the Peconic Estuary was known for the production of high quality oysters. Given the favorable conditions in the Peconic Estuary a small-scale commercial aquaculture industry focusing on oysters has developed over the last 15years with the help of Cornell Cooperative Extension's aquaculture program. The success of these small operations as well as the presence of a highly successful public shellfish hatchery in Cedar Beach Creek at the Suffolk County Marine Environmental Learning Center (see project map) has proven that these waters have the carrying capacity to support very good growth of shellfish of all kinds, especially oysters. For this reason we are confident that the proposed oyster reef and seeding effort will be successful.

Seagrasses including eelgrass (*Zostera marina*) and widgeon grass (*Ruppia maritima*) used to dominate the shallow subtidal waters of the Peconic Estuary, especially within the protected waters of the creeks and harbors. During the wasting disease epidemic of the early 1930's much of the eelgrass was lost while widgeon grass was unaffected. In the years that followed, the eelgrass began to recover and return to many of the areas where it historically occurred. However, as this recovery took place the region began to experience a post war boom in development and navigational dredging occurred in many creeks and harbors where the seagrasses thrived. As a result, many of the shallow areas that supported seagrass were dredged to create navigational channels and deep water mooring areas. In the mid 1980's the seagrasses were further set back by a nuisance algal bloom called the "Brown Tide" that prevented light from reaching the bottom. The impacts of the brown tide were most harmful to eelgrass populations which never recovered. Although the brown tide has not returned in any significant way since 1995 eelgrass is now under threat from rising summer water temperatures since it is a cold water species. On the contrary, widgeon grass has a higher temperature tolerance and is more suited to survival in the creeks and harbors of the Peconic Estuary at this time.

Widgeon grass flourishes in a portion of Cedar Beach Creek outside of the proposed project area proving that the creek can support this species. Propagule limitation currently prevents widgeon grass from growing at the restoration site and through our efforts, we can overcome this limitation and create a new meadow here.

Existing Habitat and Proposed Changes:
Completion of this project will greatly enhance the 65-acre marsh and beach complex at Cedar Beach Creek. The creek is a productive yet degraded area for marine finfish, shellfish, and other wildlife. The creek contributes significantly to the biological productivity of Noyack Bay. The creek serves as a nursery and feeding area (from April through November, generally) for many estuarine fish species including scup, summer flounder, bluefish, and winter flounder. Bay scallops were formerly abundant in the

creek but populations have declined. Soft clams, hard clams and razor clams are found most years in abundance, supporting a recreational shellfishery of town-level significance. Diamondback terrapin breed in the fringing wetlands. The creek serves as a feeding area for the osprey along with waterfowl, shorebirds and other wildlife. Waterfowl species observed overwintering in the creek include Canada goose, American black duck, mallard, oldsquaw, bufflehead, red-breasted merganser, and common goldeneye. In addition to the inner creek habitat many species of beach-nesting birds are found along the barrier beach including Piping Plover, Least Tern, Common Tern, American Oystercatcher, and Black Skimmer. See the Supplementation Information section for a complete list of birds observed at this site.

The following habitat improvements are planned:

- Total project area - **65 acres**
- Existing intertidal (*Spartina alterniflora*) marsh to be enhanced - **11acres**
- New intertidal (*Spartina alterniflora*) marsh to be created - **8.5acres**
- New oyster (*Crassostrea virginica*) reef to be created - **30,000 spat on shell**
- New oyster (*Crassostrea virginica*) to be seeded - **27,200 @ 45mm shell ht.**
- New seagrass meadow (R*uppia maritima*) to be created - **1.7acres**
- Open water habitat - through increased/improved flushing - **3acres**

The following are target species of the restoration project:

Seaside Sparrow (*Ammodramus maritimus*)
New York Status: **Special Concern**/Federal Status: NY Subspecies (*A. m. maritima*) - Not Listed, Cape Sable Seaside Sparrow (*A. m. mirabilis*) - **Endangered**

Although this site currently does not support any seaside sparrows it does support salt marsh and Nelson's sparrows. It is believed that a lack of tall form *Spartina* may be the limiting factor to use by seaside sparrows here. This project, which will involve creating more than **8-acres of new marsh islands** will create appropriate nesting habitat for this species.

Piping plover (*Charadrius melodus*)
New York Status: **Endangered**/Federal Status: **Threatened**
The Cedar Beach marsh complex is a known nesting site for the plover since 1991. Over the last 10 years this area has produced, on average, 1.8 chicks/year. Our project to increase productivity in this creek in close proximity to plover habitat nesting and foraging area may increase the availability of food with limited territory overlap.

Least Tern (*Sternula antillarum*)
New York Status: **Threatened**/Federal Status: **Endangered** (interior U.S. only)
Least terns are known to use Cedar Beach County Park as a nesting area. The most successful season here recently supported 60 pairs of birds.

Winter Flounder (*Pseudopleuronectes americanus*)

Cedar Beach Creek comprises a significant amount of essential fish habitat for the winter flounder including areas of macroalgae growth, marshes and to a lesser extent seagrass beds.

Methods for Carrying Out and Monitoring the Project:
The main focus of this project is to establish intertidal marsh acreage through the creation 4-6 new marsh islands in Cedar Beach Creek through the beneficial reuse/placement of clean dredge material in shallow mostly subtidal flats where marsh once occurred. We plan to use a small 4" suction dredge mounted on our shellfish barge to remove the fill from parts of the creek that have shoaled in with sand (see Maps). These shoals not only affect navigation of our research vessels, but they also prevent water exchange necessary to maintain adequate water quality at our publically-supported shellfish hatchery. The dredge material will be confined on the flats through the use of coir fiber logs staked in place around the perimeter of each island (See Project Maps and Project Specifications for details). Final design elevations will be from 6-18" above the existing grade on the flats and will fall within the range of intertidal marsh elevations measured as biological benchmarks from a nearby reference marsh. The "Project Advisory Committee" (see below) will help to select two design elevations to be used for the islands taking into account local marsh surface accretion rates measured with a SET in the existing marsh and local rates of SLR. We plan to use two different design elevations, divided evenly between the 4-6 islands, to allow for better resiliency relative to SLR and also to help guide future marsh restoration efforts as there is no data available on the best elevation to use for marsh restoration in this region.

The islands will be vegetated with *Spartina alterniflora* plugs propagated from locally collected seed to ensure adaption to conditions in this region as recommended by the Peconic Estuary Program Habitat Restoration guidance documents. We will collect seed in the fall from the fringing marsh at Cedar Beach Creek as well as other nearby creeks in the Peconic Estuary. We expect to use an existing group of adult and youth volunteers taking part in our "Marine Meadows" program to help with seed collection, growout and planting. This same group has been used very effectively to help with seagrass related restoration activities in the past. We will grow out the seeds in our onsite greenhouse facility and harden in designated outdoor areas nearby. Not all the seeds collected will be used for production of plugs; a portion (up to 50%) will be used for direct seeding on the new islands in the spring. Seeds will be broadcast with a mixture of sand to ensure even distribution.

Following planting the islands will be protected from waterfowl feeding by installing bird netting and string fencing as is typical for this type of work. This protection will remain in place for at least the first growing season to prevent damage by migratory and resident waterfowl.

The second part of this project involves the creation of a 3 x 5m intertidal oyster reef in the new marsh open water complex as well as free planting of 27,200 young oysters along the new marsh island perimeter. All oysters will be spawned and raised at the Suffolk County Marine Environmental Learning Center by CCE staff. The brood stock

will consist of disease resistant native animals that have been growing in Cedar Beach Creek. The reef will be built using cured surf clam shells already stockpiled onsite at our facility or gathered from locations north of Long Island. CCE staff will use large onsite tanks (adjacent to our greenhouse) to set 30,000 spat on shell for the reef (see Project Pictures). The single oysters will be spread by hand on foot or from a shallow draft boat and will have a minimum shell height of 45mm.

The last part of this project involves establishing new widgeon grass (*Ruppia maritima*) meadows in the project area adjacent to the new marsh islands. Widgeon grass can be propagated from collection of intact sediment plugs and or seeds. We will be using both methods to establish plantings. There is a large stand of widgeon grass in Cedar Beach Creek that will serve as the donor population for our work. Here we will use SCUBA to collect seed-laden sediment plugs that will be used to plant into the restoration site. In addition, we will use our flow through tanks in our greenhouse to propagate widgeon grass from seeds for eventual transplant. All planting will take place at high tide using SCUBA.

Problems the Project Will Address:

- Critical loss of marsh acreage within the region.
- Reduced numbers of oysters and oyster reef habitat in the region.
- Decreases in the seagrass cover in the region.
- Reduced flushing, water flow and water exchange to the upper reaches of a tidal creek that not only supports wildlife, but also supports a publically-funded shellfish hatchery.
- Limited nursery habitat for finfish including **Winter Flounder** (*Pseudopleuronectes americanus*); nursery habitat for this species has been described as areas of macroalgae growth, tidal creeks/marshes and to a lesser extend seagrass beds. This project will lead to increased productivity, species diversity and stability of a significant tidal creek system.
- Limited habitat for shore birds including the **Seaside Sparrow** (*Ammodramus maritimus*); it is believed that a lack of tall form *Spartina* may be the limiting factor to use by seaside sparrows here. This project, which will involve **creating more than 8-acres of new marsh islands will create appropriate nesting habitat for** this species.

Climate Change Impacts:

This project will specifically address climate change. Final design elevations for marsh island creation will be of an elevation that will allow for sea level rise to occur while still providing for the growth of tall form *Spartina alterniflora*. We plan to utilize two different marsh elevations (both above the lower biological benchmark for the growth of tall form *Spartina alterniflora* in the adjacent reference marsh) to help to test the effects of two different elevations within the current growth range for *Spartina* in the creek. This will introduce a level of experimentation into the design and help to ensure that we learn something about future marsh restoration efforts that need to address climate change and SLR. In addition, we expect that the growth rate and resulting surface accretion rate of the newly planted cordgrass will outpace the current rate of the marsh

grasses growing at the site in peat. In this way the new islands should be able to keep pace and in fact outpace current SLR given their higher starting elevation relative to current sea level.

Short-Term Goals and Objectives:

Goal 1: Convene the project advisory committee (PAC) and initiate final project design immediately following project initiation

- **Objective 1**: Prepare and distribute all background materials to the advisory committee
- **Objective 2**: Schedule a meeting where all PAC members can meet, preferably at the project site so a field visit can be conducted.
- **Objective 3**: Based on input from the PAC, prepare a set of detailed project plans for review by the Advisory Committee
- **Objective 4**: Get final approval from the PAC for the project plans

Goal 2: Secure the appropriate permits to allow for project construction

- **Objective 1**: Prepare permit applications based on the input from the PAC
- **Objective 2**: Submit the permit applications to the permitting agencies (which are represented on the PAC)

Goal 3: Establish pre-construction baseline conditions at the project site in order to effectively measure project success following completion

- **Objective 1**: Characterize the sediment conditions in the fill areas
- **Objective 2**: Scout for/monitoring existing oyster population numbers for the project area
- **Objective 3**: Monitor for widgeon grass in the project area.
- **Objective 4**: Scout for fauna including winter flounder, seaside sparrow and other relevant species.

Goal 4: Identify and characterize an appropriate reference site for use in making future comparisons

- **Objective 1**: Select a site within the creek system to measure baseline conditions.
- **Objective 2**: Identify and mark (with stakes and GPS) permanent sampling stations.

Goal 5: Initiate the field work

- **Objective 1**: In accordance with the final project plans, create 4-6 new intertidal marsh islands totally 8.5-acres using clean sand fill pumped from one of several donor dredge areas.
- **Objective 2**: Create the marsh islands at two different elevations to address different rates of SLR and help to target future design specifications.
- **Objective 3**: Plant a portion of the newly created marsh islands with plugs of local native smooth cordgrass (*Spartina alterniflora*) propagated from locally-collected seed.
- **Objective 4**: Seed a portion of the newly created marsh islands with local native smooth cordgrass (*Spartina alterniflora*) collected from nearby natural marshes (i.e., other creeks in the Peconic Estuary).

Goal 6: To increase seagrass meadow area in Cedar Beach Creek and the Peconic Estuary.

- **Objective 1**: Directly plant and/or seed widgeon grass (*Ruppia maritima*) into

open water areas between newly created marsh islands.

Objective 2: Propagate the widgeon grass from local native populations through collection of plugs as well as used of seed-laden sediment transfer in the spring.

Goal 7: To increase Eastern Oyster (*Crassostrea virginica*) populations in the project area.

Objective 1: Create a 150 $ft^{-}2$ intertidal oyster reef using 30,000 spat on shell.

Objective 2: Free plant 27,200 native oysters within the edges of the newly created marsh islands.

Goal 8: To increase flushing and improve water quality in the backwater of Cedar Beach Creek.

Objective 1: increase water flow and decrease summer temperatures in the part of the creek that supplies water to the shellfish hatchery and nurseries

Objective 2: decrease the likelihood of anoxic events occurring in this part of Cedar Beach Creek

Goal 9: Initiate project monitoring to ensure proper adaptive management of the work.

Long-Term Goals and Objectives:

Goal 10: to complete the project as designed and ensure long-term maintenance.

Objective 1: conduct regular (yearly) monitoring to track project development.

Objective 2: undertake necessary maintenance/adaptive management as necessary to ensure project success.

Goal 11: to increase the carrying capacity of the Cedar Beach Creek to support various species of fauna including vertebrates and invertebrates.

Objective 1: create new nesting opportunities for seaside sparrows.

Objective 2: create more breeding and nursery habitat for winter flounder.

Objective 3: create more breeding and foraging habitat for diamondback terrapins.

Long Term Project Monitoring and Maintenance:

We plan to convene a project advisory committee to help oversee the final design, execution and management of the project area. Most importantly, Suffolk County Parks staff members will be involved with the project to ensure that the site is protected from any disturbance. As an existing SC Park the site is already protected under local law and there is no opportunity for the restoration to be impacted

Since the project is on Suffolk County Park Land and this is the site of the Suffolk County Marine Environmental Learning Center, Cornell Cooperative Extension and Suffolk County will manage the long-term maintenance of this project. Cornell Cooperative Extension has run a Marine Education and Research Facility at this location for the last 20+ years and this relationship will continue.

Coordination and Cooperation:

Leadership will be provided by Cornell Cooperative Extension Staff who have more than 20 years' experience in all aspects of coastal habitat restoration. Additionally, a project advisory committee will serve an integral role in numerous aspects of this project.

CCE Key Staff

Chris Pickerell, ***Interim Marine Program Director/Habitat Restoration Specialist***
Chris has over 20 years' experience in the field of Coastal Habitat Restoration including advising on projects on both coasts of the United States and in Europe. His specialty is in the reestablishment of native vegetation (i.e., salt marsh and seagrasses) for restoration purposes. Chris works out of the Suffolk County Marine Environmental Learning Center in Southold (SCMELC), New York, the proposed site for this project.

Gregg Rivara, ***Shellfish and Aquaculture Specialist***
Gregg has over 25 years' experience in shellfish aquaculture and restoration. His work has focused on publically supported shellfish seeding as well as the creation of a viable cottage-scale oyster farming industry on Long Island. Through the existing hatchery at SCMELC, Gregg and his staff will be able to set the oyster spat on shell for the reef as well as produce the seed oysters for broadcast within the restoration site.

Project Advisory Committee
In order to allow for the most effective project design and to ensure effective coordination and cooperation between various agencies we are proposing to create a project advisory committee (PAC) that will convene to discuss all aspects of the proposed project and help to adaptively manage the project as it progresses. Representatives on the PAC include personnel from federal, state and local regulatory branches to ensure the most effective lines of communication. Please see the Supplemental Information Section for a list of members and their qualifications.

Compliance Activities:
In order to satisfy the NEPA requirements for compliance we have included and will continue to include (through involvement in the project advisory committee) members of all federal, state and local regulatory branches in the final project design. In this way these personnel will help to guide our efforts and will be familiar with the proposed work.

The Cedar Beach Creek Habitat Restoration Demonstration Project

Design Plans and Maps

Marsh Islands

The marsh islands will be created in existing shallow subtidal areas as identified in the project figures. Each island will have an irregular boarder taking into account existing flow patterns and channels that currently exist within the tidal flats. Some of these channels including the main east to west channel running along the southern edge of the restoration area (one of the sites for planting of *Ruppia*) date back to the original creek configuration. Others have formed in subsequent years.

The restoration plan calls for lining the above flats to be filled with 16" diameter coir fiber logs and staking them in place as recommended by the manufacturer. Following this we will use the 4" hydraulic dredge to pump clean fill from the donor/dredge areas. The porosity of the coir logs as well as strategically placed weep areas in the perimeter will allow for excess water to drain from the islands as the form.

The picture below shows a typical coir fiber log installation in softer sediments. Our site has a coarser sediments. Note that this installation was used to protect/plant in front of an eroding intertidal marsh edge. Our work will include some of this technique but will focus primarily on creating isolated marsh islands that are completely encircled with the coir fiber logs.

Overall specifications for the 6 proposed marsh islands (below). Note the final fill height and volumes will not be determined until the Project Advisor Committee meets to make the decision. The table lists a range of volumes that could be necessary based on working within the reference site biological benchmark elevations for intertidal marsh here.

New Marsh	Perimeter (ft)	Area (ft^2)	Fill to reach lower IM benchmark (ft)	Fill to reach upper IM benchmark (ft)	Min. Fill Vol. (yds^3)	Max. Fill Vol. (yds^3)
Island 1	893	20,437	0.54	1.73	410.00	1,308.85
Island 2	1,647	122,964	0.31	1.50	1,423.19	6,831.33
Island 3	1,670	81,871	0.25	1.44	758.06	4,358.87
Island 4	1,404	101,860	0.35	1.53	1,309.93	5,789.88
Island 5	756	30,403	0.17	1.35	191.43	1,520.15
Island 6	658	23,679	0.17	1.35	149.09	1,183.95

Project schematic view showing the location of proposed marsh islands.

Oyster Reef

CCE ataff have designed and installed oyster reefs as part of other projects in recent years. This 3 x 5 meter mock up shown below is a version that has been permitted in the past by NYSDEC and this is what we are proposeing for this project. The spat on shell shown below are produced at our facility at the Suffolk County Marine Environmental Learning Center at Cedar Beach in Southold, NY.

Mock-up of a 3 by 5 meter reef with perimeter bags (G. Rivara photo).

Two-week old oyster spat on surf clam shell (G. Rivara photo).

The oyster reef design will follow the guidelines set forth in:

Best Management Practices for Shellfish Restoration
Prepared for the ISSC Shellfish Restoration
Committee
Dorothy Leonard and Sandra Macfarlane
10/1/2011

WEB:
http://issc.org/client_resources/publications/final%20draft%20bmps-01-23-12.pdf

Figure 1. An overview map of eastern Long Island, NY. The proposed site location is indicated by the white box, with a more detailed view of the project area presented in the inset.

Figure 2. A 2012 aerial photograph of Cedar Beach Creek (Southold, NY) showing the current extent of the salt marsh.

Figure 3. An aerial photograph from 1930 showing the historic conditions of Cedar Beach Creek, Southold, NY.

Figure 4. View across the project area from the barrier beach looking north during an extreme low tide event. The channels in the photo show the natural drainage pathways for water in this area that will be maintained as part of the restoration plan (C. Pickerell Photo).

Figure 5. Close up viewing showing the condition of the shallow subtidal flats where the marsh islands are to be created. These areas have been exposed during an extreme low water event. Note the natural drainage channels formed in the flats (C. Pickerell Photo).

Figure 6. An aerial photograph (2012) of Cedar Beach Creek with the areas for the proposed actions delineated. The location of the Suffolk county Marine Environmental Learning Center and Shellfish Hatchery is also indicated.

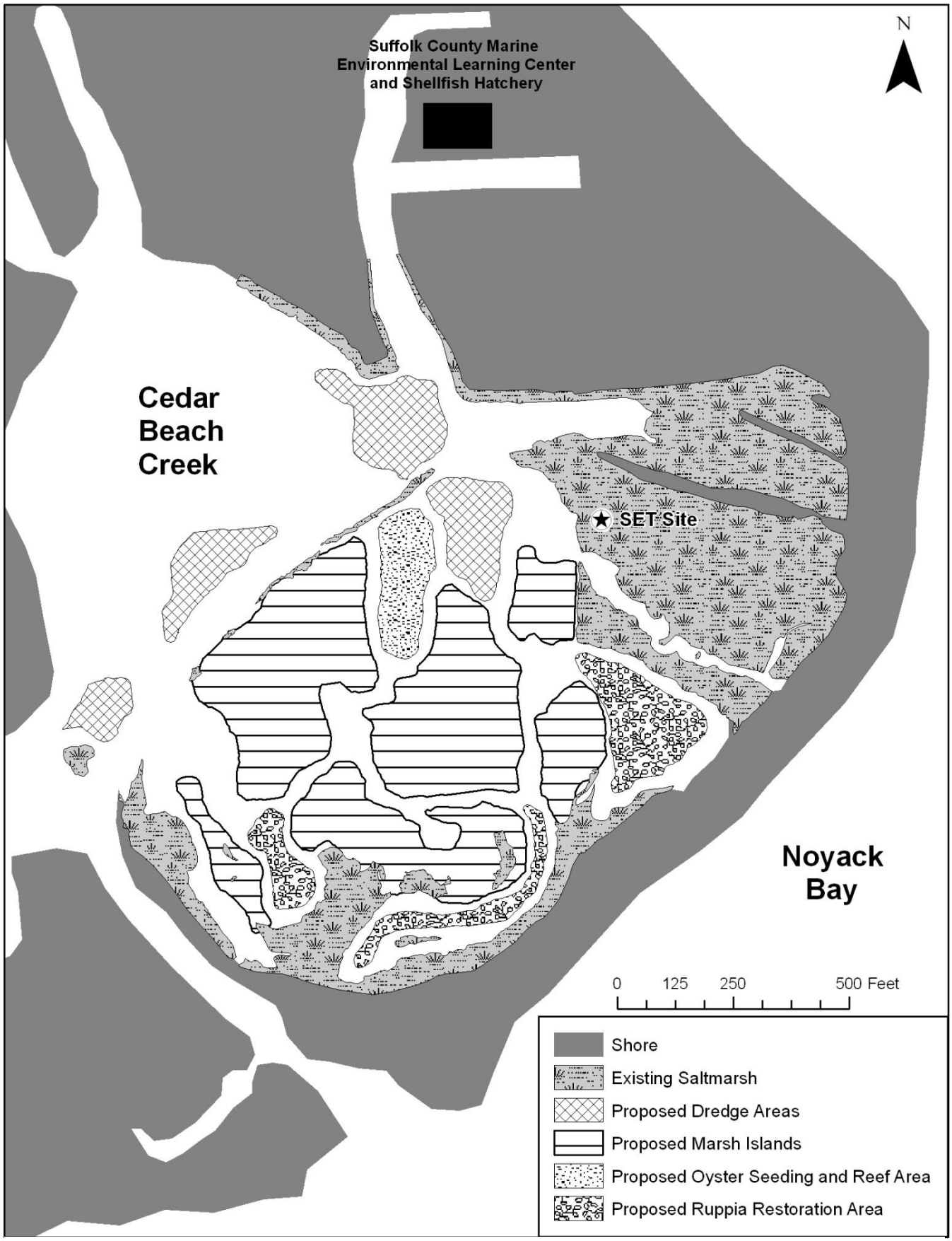


Figure 7. A scale diagram of the Cedar Beach Creek project area, Southold, NY.

Determination of Significance
Type 1 and Unlisted Actions

SEQR Status: Type I ☒ Unlisted ☐

Identify portions of EAF completed for this project: Part 1 ☒ Part 2 ☒ Part 3 ☒

Upon review of the information recorded on this EAF, as noted, plus this additional support information

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of Suffolk County as lead agency that:

☒ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Cedar Beach Creek Habitat Restoration Project

Name of Lead Agency: Suffolk County

Name of Responsible Officer in Lead Agency:

Title of Responsible Officer in Lead Agency:

Signature of Responsible Officer in Lead Agency: Date:

Signature of Preparer (if different from Responsible Officer) John Corral Date: 8/13/14

For Further Information:

Contact Person: John Corral, Planner
Address: Suffolk County Department of Economic Development & Planning
Council on Environmental Quality
P.O. Box 6100
Hauppauge, NY 11788
Telephone Number: 631-8535191
Email: john.corral@suffolkcountyny.gov

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (Town/City/Village)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

CEQ RESOLUTION NO. 38-2014, AUTHORIZING ADOPTION OF JULY 16, 2014 CEQ MINUTES

WHEREAS, the Council on Environmental Quality has received and reviewed the July 16, 2014 meeting minutes; now, therefore, be it

1st RESOLVED, that a quorum of the Council on Environmental Quality, having heard and accepted all comments and necessary corrections hereby adopts the meeting minutes of July 16, 2014

DATED: 8/20/2014

PROJECT #: Adoption of Minutes
RESOLUTION #: 38-2014
DATE: August 20, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☐	☐	☐	☒	☐
Eva Growney	☐	☐	☐	☒	☐
Thomas C. Gulbransen	☒	☐	☐	☐	☐
Hon. Kara Hahn	☒	☐	☐	☐	☐
Michael Kaufman	☐	☐	☐	☒	☐
Daniel Pichney	☒	☐	☐	☐	☐
Gloria G. Russo	☒	☐	☐	☐	☐
Mary Ann Spencer	☐	☐	☐	☒	☐
Larry Swanson	☒	☐	☐	☐	☐
CAC REPRESENTATIVES	☐	☐	☐	☐	☐

Recommendation: Adoption of minutes

Motion: Mr. Gulbransen
Second: Mr. Pichney

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191

COUNTY OF SUFFOLK

STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT

COUNCIL ON ENVIRONMENTAL QUALITY

Gloria Russo
Chairperson
CEQ

MEMORANDUM

TO: Honorable Steven Bellone, Suffolk County Executive
Honorable DuWayne Gregory, Presiding Officer

FROM: Gloria Russo, Chairperson

DATE: August 20, 2014

RE: CEQ Review of the Proposed Cedar Beach Creek Habitat Restoration Demonstration Project, Town of Southold

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At its August 20, 2014 meeting, the CEQ reviewed the above referenced matter. Pursuant to Chapter 450 of the Suffolk County Code, and based on the information received, as well as that given in a presentation by Christopher Pickerell, Marine Program Director at Cornell University Cooperative Extension, the Council advises the Suffolk County Legislature and County Executive, in CEQ Resolution No. 39-2014, a copy of which is attached, that the proposed project be considered a Type I Action under SEQRA that will not have significant adverse impacts on the environment.

If the Legislature concurs with the Council on Environmental Quality's recommendation that the project will not have a significant adverse impact on the environment, the Presiding Officer should cause to be brought before the Legislature for a vote, a resolution determining that the proposed action is a Type I Action pursuant to SEQRA that will not have significant adverse impacts on the environment (negative declaration). However, if the Legislature has further environmental concerns regarding this project and needs additional information, the Presiding Officer should remand the case back to the initiating unit for the necessary changes to the project and EAF or submit a resolution authorizing the initiating unit to prepare a draft environmental impact statement (positive declaration).

Enclosed for your information is a copy of CEQ Resolution No. 39-2014 which sets forth the Council's recommendations.

cc: All Suffolk County Legislators
Tim Laube, Clerk of Legislature
George Nolan, Attorney for the Legislature
Sarah Lansdale, Director of Planning, Department of Economic Development and Planning
Andrew Freleng, Chief Planner, Department of Economic Development and Planning
Dennis Brown, Suffolk County Attorney

Project # DPW-32-2014 August 20, 2014

CEQ RESOLUTION NO. 39-2014, RECOMMENDATION CONCERNING A SEQRA CLASSIFICATION AND DETERMINATION FOR THE PURPOSES OF CHAPTER 450 OF THE SUFFOLK COUNTY CODE FOR THE PROPOSED CEDAR BEACH CREEK HABITAT RESTORATION DEMONSTRATION PROJECT, TOWN OF SOUTHOLD

WHEREAS, at its August 20, 2014 meeting, the Suffolk County Council on Environmental Quality (CEQ) reviewed the EAF and associated information submitted by Cornell Cooperative Extension of Suffolk County; and

WHEREAS, a presentation regarding the project was given at the meeting by Nick Gibbons, Principal Environmental Analyst, Suffolk County Department of Parks, Recreation and Conservation and Christopher Pickerell, Marine Program Director at Cornell University Cooperative Extension; and

WHEREAS, the project involves the restoration of 8 acres of lost salt marsh island habitat, the planting of submerged aquatic vegetation and the planting of oysters to create a diverse tidal marsh at Cedar Beach Creek County Park in the Town of Southold; and

WHEREAS, the marsh islands will be created using clean dredged material pumped from adjacent portions of Cedar Beach Creek; and

WHEREAS, Cornell Cooperative Extension of Suffolk County has received a grant from the United States Army Corps of Engineers (ACOE) to conduct this project and said grant requires the execution of a cooperative agreement between Cornell Cooperative Extension of Suffolk County, ACOE and Suffolk County; and

WHEREAS, said project is expected to serve as a demonstration project that can be used as a model for other sites in Suffolk County that have experienced marsh loss; now, therefore, be it

1st RESOLVED, that based on the information received and presented, a quorum of the CEQ hereby recommends to the Suffolk County Legislature and County Executive that the proposed activity be classified as a Type I Action under the provisions of Title 6 NYCRR Part 617.4(b)(10) and Chapter 450 of the Suffolk County Code in that the action involves the physical alteration of more than 2.5 acres of publically owned parkland; and, be it further

2nd RESOLVED, that based on the information received, a quorum of the CEQ recommends to the Suffolk County Legislature and County Executive, pursuant to Title 6 NYCRR Part 617 and Chapter 450 of the Suffolk County Code, that the proposed project will not have significant adverse impacts on the environment for the following reasons:

1. the proposed action will not exceed any of the criteria in Section 617.7 of Title 6 NYCRR which sets forth thresholds for determining significant effect on the environment, as demonstrated in the Environmental Assessment Form;

2. all necessary permits/approvals will be obtained from the Town of Southold, the New York State Department of Environmental Conservation, and the United States Army Corps of Engineers prior to commencement of marsh restoration;

3. the proposed action will result in the restoration of 8 acres of lost salt marsh habitat and will enhance the entire 65 acre marsh and beach complex at Cedar Beach Creek;

and, be it further

3rd RESOLVED, that it is the recommendation of the Council that the Legislature and County Executive adopt a SEQRA determination of non-significance (negative declaration).

DATED: 8/20/2014

PROJECT #: 32-2013
RESOLUTION #: 39-2014
DATE: August 20, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☐	☐	☐	☒	☐
Eva Growney	☒	☐	☐	☐	☐
Thomas C. Gulbransen	☒	☐	☐	☐	☐
Hon. Kara Hahn	☒	☐	☐	☐	☐
Michael Kaufman	☐	☐	☐	☒	☐
Daniel Pichney	☒	☐	☐	☐	☐
Gloria G. Russo	☒	☐	☐	☐	☐
Mary Ann Spencer	☐	☐	☐	☒	☐
Larry Swanson	☒	☐	☐	☐	☐
CAC REPRESENTATIVES	☐	☐	☐	☐	☐

Recommendation: Type I Action, Negative Declaration
Motion: Mr. Swanson
Second: Ms. Growney

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191

COUNTY OF SUFFOLK

STEVEN BELLONE
COUNTY EXECUTIVE

DEPARTMENT OF ECONOMIC DEVELOPMENT AND PLANNING
DIVISION OF PLANNING AND ENVIRONMENT

COUNCIL ON ENVIRONMENTAL QUALITY

Gloria Russo
Chairperson
CEQ

MEMORANDUM

TO: Honorable Steven Bellone, Suffolk County Executive
Honorable DuWayne Gregory, Presiding Officer

FROM: Gloria Russo, Chairperson

DATE: August 20, 2014

RE: CEQ Review of the Recommended SEQRA Classifications of Legislative Resolutions Laid on the Table July 29, 2014

At its August 20, 2014 meeting, the CEQ reviewed the above referenced matter. Pursuant to Chapter 450 of the Suffolk County Code, and based on the information received, the Council recommends to the Suffolk County Legislature and County Executive in CEQ Resolution No. 40-2014, a copy of which is attached, that the enclosed list of legislative resolutions laid on the table July 29, 2014, be classified pursuant to SEQRA as so indicated in the left hand margin. The majority of the proposed resolutions are Type II actions pursuant to the appropriate section of Title 6 NYCRR Part 617.5, with no further environmental review necessary. Unlisted and Type I actions require that the initiating unit of County government prepare an Environmental Assessment Form (EAF) or other SEQRA documentation and submit it to the CEQ for further SEQRA review and recommendations.

Enclosed for your information is a copy of CEQ Resolution No. 40-2014 setting forth the Council's recommendations along with the associated list of legislative resolutions. If the Council can be of further help in this matter, please let us know.

Enc.
cc: All Suffolk County Legislators
Tim Laube, Clerk of Legislature
George Nolan, Attorney for the Legislature
Sarah Lansdale, Director of Planning, Department of Economic Development and Planning
Andrew Freleng, Chief Planner, Department of Economic Development and Planning
Dennis Brown, Suffolk County Attorney

Project # PLN-31-14 August 20, 2014

CEQ RESOLUTION NO. 40-2014, RECOMMENDATION CONCERNING SEQRA CLASSIFICATIONS OF LEGISLATIVE RESOLUTIONS LAID ON THE TABLE JULY 29, 2014 PURSUANT TO CHAPTER 450 OF THE SUFFOLK COUNTY CODE

WHEREAS, the legislative packet regarding resolutions laid on the table July 29, 2014 has been received in the CEQ office; and

WHEREAS, staff has preliminarily reviewed the proposed resolutions and recommended SEQRA classifications; now, therefore, be it

1st RESOLVED, that in the judgment of the CEQ, based on the information received and presented, a quorum of the Council recommends to the Suffolk County Legislature and County Executive, pursuant to Chapter 450 of the Suffolk County Code, that the attached list of actions and projects be classified by the Legislature and County Executive pursuant to SEQRA as so indicated.

DATED: 8/20/2014

PROJECT #: PLN-31-2014
RESOLUTION #: 40-2014
DATE: August 20, 2014

RECORD OF CEQ RESOLUTION VOTES

CEQ APPOINTED MEMBERS	AYE	NAY	ABSTAIN	NOT PRESENT	RECUSED
James Bagg	☐	☐	☐	☒	
Eva Growney	☒	☐	☐	☐	
Thomas C. Gulbransen	☒	☐	☐	☐	
Hon. Kara Hahn	☒	☐	☐	☐	
Michael Kaufman	☐	☐	☐	☒	
Daniel Pichney	☒	☐	☐	☐	
Gloria G. Russo	☒	☐	☐	☐	
Mary Ann Spencer	☐	☐	☐	☒	
Larry Swanson	☒	☐	☐	☐	
CAC REPRESENTATIVES	☐	☐	☐	☐	

Motion: Legislator Hahn
Second: Mr. Swanson

Further information may be obtained by contacting:

Andrew P. Freleng, Chief Planner
Council on Environmental Quality
P.O. Box 6100
Hauppauge, New York 11788
Tel: (631) 853-5191