



**LONG ISLAND SOUND  
PARTNERSHIP**



## Long Island Sound Coastal Resilience Field Trip Tour

Wednesday, October 28, 2026

Itinerary

Share feedback here:



| Nassau Bus Departure |                                                                                                                                                                                                                                                                                                                                                                                                                               | Suffolk Bus Departure |                                                                                                     |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------|
| <b>8:00 AM</b>       | <b>Arrival/Check-in</b><br><b>Eisenhower Park, Parking Field 8</b><br>Cornell Cooperative Extension of Nassau County, Parking Field 8, East Meadow NY 11554                                                                                                                                                                                                                                                                   | <b>8:30 AM</b>        | <b>Arrival/Check-in</b><br><b>Hyatt Regency Long Island</b><br>1717 Motor Pkwy, Hauppauge, NY 11788 |
| <b>8:15 AM</b>       | <b>Depart</b>                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>8:45 AM</b>        | <b>Depart</b>                                                                                       |
| <b>9:30 AM</b>       | <b>Arrive @ Patchogue Shorefront Park:</b> 49 Smith St, Patchogue, NY 11772<br><b>View and discuss living shoreline project &amp; CoastSnap station</b><br><i>Mayor Paul Pontieri, David Kennedy, Lori Devlin (Village of Patchogue), Carlos Vargas (VHB), Jayme Breschard (NYS Department of State) &amp; Kathleen Fallon (NY Sea Grant)</i>                                                                                 |                       |                                                                                                     |
| <b>10:30 AM</b>      | <b>Depart</b> – Discuss other resilience projects/initiatives on the way                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                     |
| <b>11:30 AM</b>      | <b>Arrive @ Cedarmere Preserve:</b> 225 Bryant Ave, Roslyn, NY 11576<br><b>View and discuss invasive species management &amp; green infrastructure projects</b><br><i>Thomas Powell &amp; Kevin Angliss (The Friends of Cedarmere), Eric Swenson (Hempstead Harbor Protection Committee), Luke Gervase (GEI) &amp; Frank Piccininni (Spadefoot)</i>                                                                           |                       |                                                                                                     |
| <b>12:20 PM</b>      | <b>Lunch</b> (provided to bus tour participants)                                                                                                                                                                                                                                                                                                                                                                              |                       |                                                                                                     |
| <b>12:45 PM</b>      | <b>Depart</b> – Discuss other resilience projects/initiatives on the way                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                                                     |
| <b>1:10 PM</b>       | <b>Arrive @ Sands Point Preserve:</b> 127 Middle Neck Rd, Sands Point, NY 11050<br><b>View and discuss bluff restoration project, stream daylighting &amp; riparian habitat restoration, &amp; other resilience initiatives</b><br><i>Jeremiah Bosgang, Melanie Dunbar (Sands Point Preserve Conservancy), Nicholas Thatos (Coastal Technologies Corp), Frank Piccininni (Spadefoot), Sarah Schaefer-Brown (NY Sea Grant)</i> |                       |                                                                                                     |
| <b>2:00 PM</b>       | <b>Depart</b> – Wrap up thoughts and discussion                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                                                     |
| <b>3:00 PM</b>       | <b>Return to Eisenhower Park</b>                                                                                                                                                                                                                                                                                                                                                                                              | <b>3:00 PM</b>        | <b>Return to Hyatt Regency LI</b>                                                                   |



## Patchogue Shorefront Park Living Shoreline

*Patchogue's Living Shoreline demonstrates how communities can replace aging infrastructure with natural systems that: protect against flooding and erosion, restore ecosystems, improve water quality, and expand public access. Scan the QR code to learn more!*



### Site History

Before the construction of the living shoreline, the shoreline at Patchogue Shorefront Park consisted of a deteriorating bulkhead that increased erosion and storm vulnerability, disconnected Little Creek from Patchogue Bay, reduced water quality and habitat, and limited public access to the waterfront. The site no longer functioned as a natural coastal system and required a long-term, resilient solution.

### What Was Built

The completed project spans approximately **1,300 feet of shoreline** and established approximately **28,500 sq. ft. of new intertidal habitat**. The project includes rock sills and rip-rap to reduce wave energy, restored salt marsh, beach, dune systems, and native plantings to stabilize the shoreline. It also reconnected and re-routed Little Creek to improve tidal flow and incorporated stormwater management features, including bio-retention areas. Public access improvements include a new waterfront esplanade and walking paths, pedestrian bridges, beach access points, and a kayak launch near Mascot Dock.

### Environmental Benefits

- The restored shoreline now supports a growing and diverse ecosystem, including 29+ bird species and 30+ marine species.
- Native plants such as marsh grasses and flowering coastal species support pollinators, fish, and wildlife while stabilizing the shoreline.
- Improves resilience by increasing tidal exchange between Little Creek and the bay, reducing upstream flooding during heavy rain events, improving drainage and reducing standing water, and enhancing water quality through natural filtration.
- Provides protection against storm surge and long-term sea level rise.

### Funding & Partners

Total investment exceeded \$7 million. This project was made possible through collaboration among:

- Village of Patchogue
- VHB (engineering & design)
- Quennell Rothschild & Partners (landscape design)
- Galvin Bros. Construction
- New York State Department of State
- New York State Department of Environmental Conservation
- Suffolk County
- Private contributors

## Cedarmere Preserve

### Site Overview & History

Thomas Powell, Kevin Angliss ([Friends of Cedarmere](#)), Eric Swenson ([Hempstead Harbor Protection Committee/Nassau County Soil & Water Conservation District](#)), Luke Gervase ([GEI](#)), & Frank Piccininni ([Spadefoot Ecosystem Solutions](#))

Cedarmere is the historic 7-acre Roslyn Harbor home of William Cullen Bryant, the prominent nineteenth century poet, newspaper editor and civic leader (1794-1878). The property was bequeathed to Nassau County in 1975 and Nassau County Department of Parks, Recreation and Museums and Friends of Cedarmere currently manage Cedarmere Preserve which is on the National Register of Historic Places and the New York State Underground Heritage Trail. The site contains two New York State record trees and offers a unique view and shoreline access to Hempstead Harbor. The Friends of Cedarmere is a 501(c)(3) non-profit organization that has an agreement with Nassau County to preserve, restore and promote public use of the Preserve, which includes the main house, gardens, pond, and historic water mill. Friends of Cedarmere has completed restoration of the museum rooms in the main house, the ice house, greenhouse, boat house, tool shed, historic gardens, and water mill which powers a working machine shop. In addition, the Preserve has completed various projects to improve habitat and resilience within the Preserve - removal of extensive areas of invasive species and replanting with native species, and completion of various green infrastructure improvements on the grounds which has reduced the impacts of stormwater runoff to the Preserve, Hempstead Harbor and the Long Island Sound.

### Invasive Species Management & Green Infrastructure Projects

Frank Piccininni ([Spadefoot Ecosystem Solutions](#)) & Luke Gervase ([GEI](#))

#### Bioswale & Native Plantings at North Parking Lot

In Spring 2026 Nassau County Soil and Water Conservation District (NCSWCD) Part C Funding supported the design and construction of two bioswales (2,901 sq. ft.) adjacent to a freshwater wetland near the Preserve's north parking lot, which is vulnerable to runoff and erosion. The project included invasive species and turf grass removal, native plant restoration, and the installation of boulders to redirect runoff into the bioswales.

#### Arboretum Tags and Invasive Species Removal at Cedarmere Preserve

In 2024 NCWSCD Part C Funding provided support to the Friends of Cedarmere to label over 300 trees at the Preserve with the goal of tagging approximately 51 species of trees, identifying the common and scientific name as well as the region of origin. A tree map was created to indicate the location of trees, accompanied by educational signage about the benefits of native plants. The Long Island Invasive Management Area surveyed the natural area for invasive plants and created a report on plant species in the area. The Preserve worked with NYS DEC staff to remove invasive plants from the pond.

#### Removal of Invasive Species and Undesirable Vegetation & Hydroseeding with Native Grasses and Wildflower Species

Supported in part by funding from New York Community Trust in 2024, and NCSWCD Part C Funding awarded in 2023 and 2025, the Preserve completed an ambitious effort to remove 0.6 acres of Phragmites as well as invasives in upland areas covering a total of 20,000 ft sq., such as Norway maple, Tree of heaven, and Japanese maple, and hydroseed with native grasses and flowers to help control invasive ground cover plants such as English ivy.

#### Rain Gardens around Preserve Pond

In Fall of 2016, two rain gardens, totaling 600 sq. ft., were constructed at the south parking lot to reduce runoff to the pond and adjacent Hempstead Harbor. A French drain was constructed along the entire downslope side of the parking lot to drain all of the stormwater from the parking lot into one rain garden, then the overflow from this garden goes into a stand pipe drain to the second rain garden through a pipe under the pathway that leads to the bridge. The rain gardens were funded by the National Fish and Wildlife Foundation, designed by nationally-recognized expert Rusty Schmidt, a Landscape Ecologist from Nelson, Pope & Voorhis and

constructed thanks to Friends of Cedarmere, NCSWCD, Hempstead Harbor Protection Committee, and the Cornell Cooperative Extension Master Gardiners Program who all provided volunteers to work on the project.

## **Gothic Revival Mill**

*Thomas Powell & Kevin Angliss*

William Cullen Bryant had the 19th century mill built in 1862 to replace the 1770 original. It is believed to be the only existing Gothic Revival style mill built as a partial residence. The Mill's exterior underwent major restoration in 2013 under the supervision of the Roslyn Landmark Society, with funding from the Gerry Charitable Trust. In 2020, major funding was provided by the R.D.L. Gardiner Foundation and the Nassau County Environmental Bond Act to restore a working waterwheel to the building.

## **Sands Point Preserve**

### **Site Overview & History**

Jeremiah Bosgang & Melanie Dunbar ([Sands Point Preserve Conservancy](#))

The Sands Point Preserve, a 216-acre public park on the original Guggenheim Estate within Sands Point, has been owned since 1971 by Nassau County Department of Parks, Recreation and Museums. Friends of Sands Point Preserve, now renamed The Sands Point Preserve Conservancy, was formed in 2003 as a non-profit 501(c)(3) organization, to manage and operate the Preserve. The Preserve's mission is to secure a vibrant future for the Guggenheim Estate's mansions and natural environments by reinventing historic preservation; to enhance and promote the Sands Point Preserve as an accessible resource for the community by providing four seasons of imaginative and enriching cultural, educational, horticultural, and wellness programming and immersion into the restorative power of nature. The Conservancy has led many projects to improve the habitat and resilience of the dynamic property and shoreline on Hempstead Harbor and Long Island Sound.

### **Preserve Invasive Species Management & Stream Daylighting Projects**

Frank Piccininni ([Spadefoot Ecosystem Solutions](#))

In Spring 2026, a buried pipe that conveyed pond overflow directly to the coast was daylighted to establish a naturalized stream and freshwater wetland environment. Nassau County Soil and Water Conservation District Part C Funding supported the manual removal of invasive species and the establishment of a riparian buffer along the daylighted stream to restore natural water flow patterns and improve habitat connectivity. The project enhances freshwater wetland habitat, creating valuable habitat for wildlife while helping reduce coastal erosion and habitat loss.

### **Bluff Restoration & Stabilization Project**

Nicholas Thatos ([Coastal Technologies Corp](#))

Long Island-based Coastal Technologies Corp. (CTC) developed the innovative Cliff Stabilizer grid system, to stabilize steep eroding coastal bluffs. In July 2025, the Nassau County Soil & Water Conservation District (NCSWCD) directed a pilot with Spadefoot Ecosystem Solutions on one of the Preserve's steep bluffs and included periodic bluff monitoring. The 3,600 sq. ft. installation was completed quickly and required no slope repitching or site preparation. The Cliff Stabilizer grids held loose sediments in place and sheltered the diverse, bluff-adapted native plants until deep root systems could establish. After one year, the Cliff devices were removed with no adverse effects on the slope or vegetation. These same Cliff Stabilizers were then redeployed & replanted to stabilize additional bluff areas.

In late 2025, the Sands Point Preserve Conservancy received funding through the Restore America's Estuaries National Estuary Program Watersheds Grant Program. The award will support a new stabilization project covering 20,000 sq. ft. and be planted with four dozen bluff-evolved native species. This will not only perverse the coastal bluffs, but will provide significant native habitat for pollinators, birds and other species.