Project Site and Scenario: Upper Township
Bayview Avenue Living Shoreline Project

Location: Bayview Drive (at Dead End)
Strathmere – Upper Township
Cape May County

Habitat Type: Tidal wetlands

Physical Description of Site: This project involves two areas of saltmarsh on either side of a public access boat ramp on Bay Avenue in Strathmere, Upper Township. The combined site is less than one acre in size.

GPS Coordinates: East Latitude 39°11'42.0000" Longitude -074°39'46.8000"
West Latitude 39°11'38.4000" Longitude -074°39'46.8000"

Goals for Site: The goals for these two sites include:

- Stabilizing the shoreline;
- Creating or restoring habitat;
- Reducing or managing tidal flood damage;
- Conducting public education and outreach (about the site); and
- Strengthening or increasing resiliency for the upland residential areas beyond the site.

Your Design Challenge: To create a plan with ecological engineering design elements that addresses the goals for the site.

Your Plan Should Include:

1. What are your solution(s) for stabilizing the shoreline and reducing flooding (against future superstorms, high tides and high winds?) Why did you select these?

2. What are your solution(s) for creating and maintaining shoreline habitat? What plants, animals and ecological conditions will you create and/or consider? Why?

3. What structural features, if any, will you put into place to protect the upland area where human activities are being conducted? Where will these structural features be placed, and why?

4. What types of ecological monitoring practices will you use to study the site (over time) and determine if your resiliency solutions were successful and effective? Why would you use each of these practices?

Photograph: **Upper Township**
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Existing conditions at the site

Aerial photograph/map of the site