Goose Creek Sub-Catchment Discharge Elimination in the Town of Southold

PEP is allocating $98,000 of IIJA Funds for the Town of Southold Stormwater Outfall Elimination Project and discharge removal plan in the sub-catchment boundary of Goose Creek, Southold.

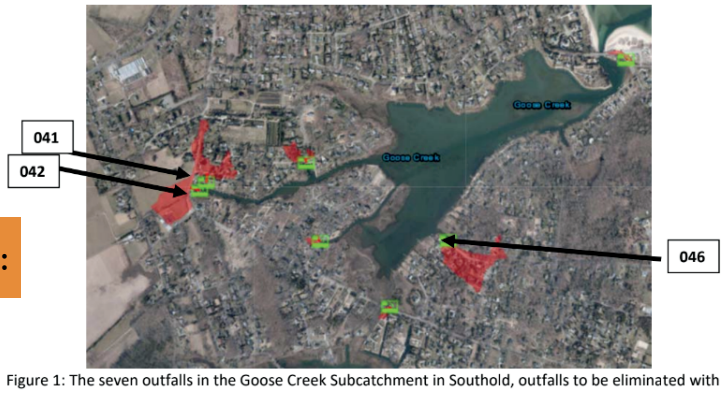

Figure 1: The seven outfalls in the Goose Creek Subcatchment in Southold, outfalls to be eliminated with the PEP-BIL funding (041, 042, and 046) are indicated.

THE PROBLEM WITH STORMWATER RUNOFF:

During any precipitation event water flows over impervious surfaces such as roads and empties into bodies of water. This stormwater runoff picks up pollution along its path like trash, chemicals, oils, dirt, and sediment that can harm our water bodies.

BACKGROUND

- Goose Creek, located in Southold, is struggling with the effects of Stormwater runoff due to infrastructure developed without stormwater pollution in mind.
- NYSDEC identifies Goose Creek as an impaired waterbody, in compliance with the Clean Water Act.
- The Goose Creek Sub-watershed is approximately 569 acres, 15 % of which (86 acres) are impermeable.

PARTNERS

Town of Southold
Goose Creek Civic Association
North Fork Environmental
The Peconic Estuary Partnership

CCMP ACTIONS

ACTION 14: Increased public awareness of the anticipated impacts of Climate Change in the Peconic Estuary and practical ways to mitigate and prepare for them.

ACTION 21: Expand non-point source subwatershed management plans to all pathogen-impaired waterbodies and continue to use existing plans.

PROJECT GOALS

- [ ] Eliminate direct stormwater discharge into Goose Creek
- [ ] Update stormwater management practices
- [ ] Update outdated infrastructure
- [ ] Continually monitor water quality
- [ ] Revitalize Goose Creeks ecosystem
- [ ] Education about stormwater

PROJECT METHODS

- 7 major outfalls have been identified as sources of pollution in need of remediation.
- PEP is funding the 3 of 7 elimination sites.
- The outfalls will be permanently shut down by cementing with brick and concrete, completely removing it, or replacing it with a subsurface infiltration chamber, where water flows through a pretreatment system before being discharged back into the watershed.
- To complement these efforts, educational activities on the impacts of stormwater discharge and the actions people can take to prevent polluted runoff will be implemented.