

PROJECT APPLICANT: Village of Southampton

PROJECT TITLE: Southampton Village Sewer Map and Plan

PROJECT TYPE: Wastewater Treatment Improvement Project

SCALE: Neighborhood/Watershed

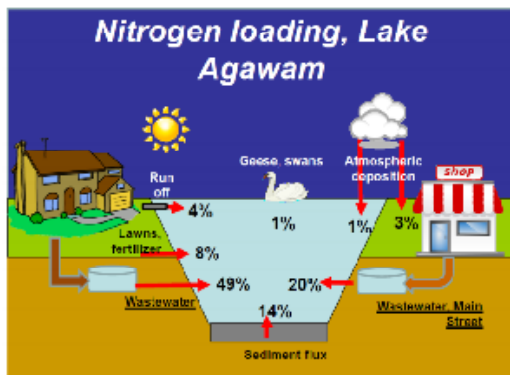
APPROACH: Reduction

DESCRIPTION:

The Village of Southampton proposes to hire a qualified engineering firm to produce an engineering report and new Sewer Map and Plan for the Village Business District. This project will explore two options: the cost and feasibility of partially connecting to the existing sewage treatment plant (STP) at Stony Brook Southampton Hospital versus the cost and feasibility of constructing a new facility, and how much existing nitrogen can be reduced in the watershed.

Lake Agawam is located within the South Shore Estuary Reserve, has been listed on the NYS DEC Section 303(d) List of Impaired/TMDL waters and experiences reoccurring Harmful Algal Blooms (HABs) due to nitrogen loading. It is estimated that 70% of the nitrogen entering Lake Agawam is due to wastewater from sanitary/septic systems entering the Lake Agawam watershed. The proposed connection to the STP would consist of three phases, resulting in 254 parcels (118 acres) with 141,000 gallons per day of flow being connected to the Village Sewer system. Completion of the sewer system is projected to divert nearly 10,000 lbs. of nitrogen away from Lake Agawam annually, reducing its total nitrogen load significantly. The capture and treatment of this effluent will help to reduce the known nitrogen pollutant, lead to improved water quality, and result in less frequent HABs.

PROPOSED PROJECT



MAP OF PROJECT LOCATION

