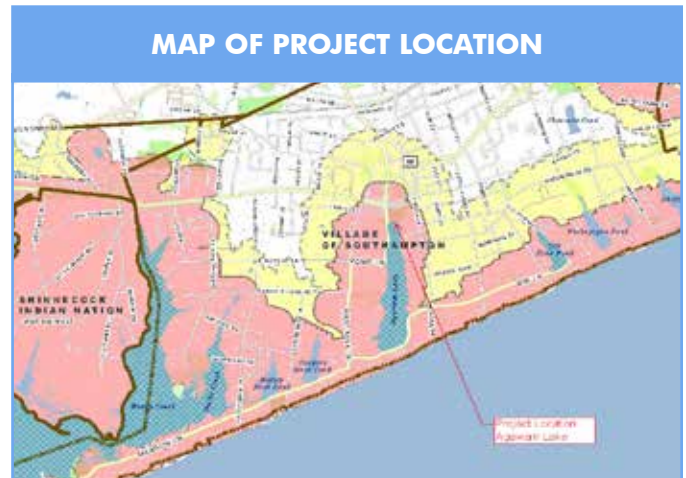
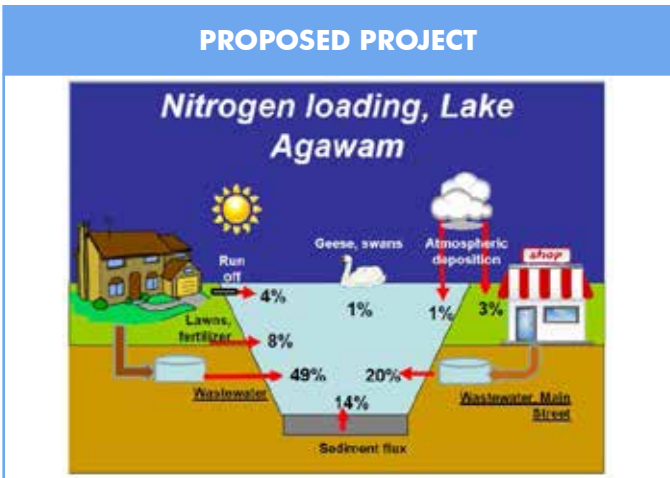


PROJECT APPLICANT: Village of Southampton
PROJECT TITLE: Phase II Lake Agawam Permeable REACTIVE Barrier (PRB)
PROJECT TYPE: Non-Point Source Abatement
SCALE: Neighborhood/Watershed
APPROACH: Reduction

DESCRIPTION

The proposed project is Phase II of a three-phase initiative to monitor, analyze and design a permeable reactive barrier (PRB) to provide remediation for nitrogen-laden groundwater flowing into Lake Agawam. Lake Agawam is located within the South Shore Estuary Reserve and is on the 2016 NYS Section 303(d) List of Impaired/TMDL waters. Nitrogen loading in this location is predominantly introduced through groundwater contamination from sanitary systems and is the major cause of harmful algal blooms in the Lake. Last year the Village of Southampton, Town Trustees, Town and NYSDEC partnered to produce a Harmful Algal Bloom Action Plan, and this project is one of the action items. Phase I of the study is being funded through a public-private partnership between the Village and the Lake Agawam Conservancy and consists of monitoring wells and groundwater characterization. Phase II, proposed for CPF funding, will further characterize groundwater, assess the PRB placement, and analyze the amount of nitrogen that the PRB can remove from the groundwater before it enters the Lake. Phase III, to be funded by the Village and New York State, will construct the PRB underground at Lake Agawam park.



REQUESTED AMOUNT: \$ 134,250