

PROJECT APPLICANT: Peconic Land Trust

PROJECT TITLE: Poxabogue Pond Groundwater Seepage and Nutrient Input

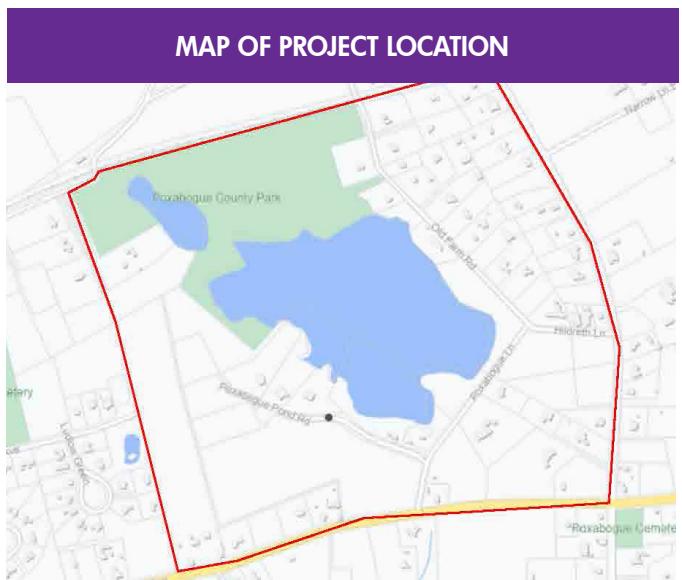
PROJECT TYPE: Non-Point Source Abatement

SCALE: Neighborhood/Watershed

APPROACH: Remediation

DESCRIPTION:

The proposed project is a collaboration between the Peconic Land Trust (PLT) and the Cornell Cooperative Extension of Suffolk County (CCE) to perform a site characterization study targeting shoreline areas along Poxabogue Pond in preparation of a nitrogen remediation project. Anticipated remediation approaches such as native vegetative buffer(s) or a permeable reactive barrier will depend on site suitability. Phase I is to be funded by private donation (match), which includes mapping high nitrogen loading zones by measuring porewater nitrogen concentration and groundwater seepage rates in groundwater discharge zones. Funding of Phase II is formally being requested at this time and will utilize the data collected in Phase I to focus on the course of remediation in Phase II. Phase II will include characterizing soil, groundwater nitrogen concentrations, and other hydrogeological data to guide the design and installation of a specific nitrogen and phosphorus reduction approach with the greatest impact on water quality. Poxabogue Pond is located within the Long Pond Greenbelt and within the High Priority Water Quality Improvement Area and has experienced environmental stressors. Poxabogue Pond is also located within the same watershed, and is hydraulically connected to Sagaponack Pond, which is classified as a 303(d) impaired water body.



REQUESTED AMOUNT: \$39,936.00