Table 1.1 - Summary of Previous Recommendations & Preliminary Feasibility Assessment

STRUCTURAL IMPROVEMENTS			
Proposed Feature or Modification	**Location**	**Preliminary Feasibility Assessment**	**Reference**
Create settling basin in Scudder's Pond	Scudder's Pond	Still an option, but more efficient to install up gradient.	E. Frank, 1976
Dredge Scudder's Pond to a depth of 4' - 5'	Scudder's Pond	Still an option. Dredge depths of 4' to 5' will provide habitat for warm water fish and reduce proliferation of common reed; 6' – 8' is better for fish production and over-wintering, but may be unfeasible.	E. Frank, 1976; H2M, 1976; CES, 1998
Divert Littleworth Lane drainage	Littleworth Lane	Later studies indicate inflow is important to maintaining pond water level.	E. Frank, 1976
Raise the dam elevation at Scudder's Pond to raise the water level	Scudder's Pond	Concern for potential flooding on adjacent properties.	E. Frank, 1976; S. Lorence, 2001
Create settling basin at Littleworth Lane outfall; 12'W x 70'L x 3'D & construct gabion weir for settling basin	Littleworth Lane	Settling basin created but downstream weir was never installed. Still feasible to install weir inside 20' wide drainage easement.	E. Frank, 1976; SSVK, 1980; CES, 1998

Table 1.1 - Summary of Previous Recommendations & Preliminary Feasibility Assessment (cont.)

Install de-gritting system/micro-strainer and chlorination chamber	Littleworth Lane or Shore Road	Chlorination could potentially harm aquatic pond life. Consider alternatives, such as a Vortechs™ treatment device, swirl separator with grease & oil traps can be installed within the 20' wide drainage adjacent to Littleworth Lane for ease of clean out.	H2M, 1976
Install swirl concentrator and chlorination chamber	Littleworth Lane or Shore Road	Same as above	H2M, 1976
Re-grade and stabilize ditch below Littleworth Lane outfall	Littleworth Lane	Still an option. Narrow (20' wide) easement and steep-sided channel may be problematic. Bioengineered vegetative treatment options preferred; however, may not be feasible upon calculating flow velocities.	H2M, 1976; CA, 1986
Install leaching pools	Glen Lawn Avenue and Park Avenue	Still an option. Improvements on Park Avenue near St. Christopher's will require Village drainage easement.	H2M, 1976
Install perimeter filter berm around Scudder's Pond	Scudder's Pond	Inadequate separation between surrounding residences and the pond to install any type of berm. Granular fill berm would require routine clean out of accumulated debris and sediment. Limited potential fronting Shore Road and south side of pond near NSCC cottages.	H2M, 1976
Reconstruct existing dam between Scudder's and upper pond	Scudder's Pond	Will require renewal of NSCC and Town of Oyster Bay agreement.	SSVK, 1980; EE, 1982

Table 1.1 - Summary of Previous Recommendations & Preliminary Feasibility Assessment (cont.)

Provide & maintain improved access road to settling basin	Littleworth Lane	Narrow easement currently borders two residential properties – not feasible unless device is located fronting Littleworth Lane.	EE, 1982
Improve on-lot wastewater disposal systems & require mandatory dye testing	Throughout watershed	Not yet instituted - Village should consider in future.	CA, 1986
Replace NSCC catch basins near cottages and investigate private discharges	Scudder's Pond	Still an option – must coordinate with NSCC.	CA, 1986
Stabilize road shoulders to prevent scour	Throughout watershed	Still an option.	CA, 1986
Install detention or retention structures, vegetated swales & created wetlands	Throughout watershed	Still an option on select parcels.	CES, 1998
Create ancillary retention basin upstream of Scudder's Pond	Scudder's and upper pond	Still an option.	CES, 1998
Alter two small ponds on Hole #11 to improve drainage and aesthetics	North Shore Country Club	Consider new stormwater treatment wetland to replace 2 small ponds on golf course.	RPGA, 1998
Install catch basin retrofits to remove rubbish, oil and grease	Throughout watershed	Village currently considering for catch basins on Littleworth Lane & Shore Road.	Hofstra, 2004
Renovate flapper valve at harbor outfall to increase pond water depth	Scudder's Pond Outfall	Village had considered; may be still feasible, warrants further investigation.	S. Lorence, 2001
NON-STRUCTURAL IMPROVEMENTS			
Proposed Action or Strategy	**Location**	**Preliminary Feasibility Assessment**	**Reference**
Establish Conservation Easement	Surrounding Scudder's Pond	Consider preserving vegetative buffers along north side as alternative.	TNC, 1975
Maintain Scudder's Pond as a natural open water area & retain upper pond as is	Scudder's Pond	Still an option – public outreach	E. Frank, 1976

Table 1.1 - Summary of Previous Recommendations & Preliminary Feasibility Assessment (cont.)

Develop & implement routine stormwater facility clean-outs: including trash removal around ponds, weirs, catch basins, etc.	Scudder's and upper ponds and Littleworth Lane	Currently being conducted on as-needed basis under contract - Village doesn't own vacuum trucks. Consider regular maintenance & cooperative purchase or leasing arrangement with other municipalities.	E. Frank, 1976; EE, 1982; CA, 1986; CES 1998
Conduct routine inspections of pond and drainage inflows	Scudder's and upper ponds	Consider cooperative agreement with NSCC.	EE, 1982; CA, 1986
Identify vacant lands in subwatershed	Throughout watershed	Investigated per this study.	CA, 1986
Conduct further water quality sampling below NSCC & coordinate with NCHD	Scudder's and upper ponds	Encourage public stewards and Coalition for Hempstead Harbor.	CA, 1986
Develop plan for sediment/bacterial & pathogen reduction	Littleworth Lane	Still an option – improve filtration between outfall and pond.	CA, 1986
Create Scudder's Pond Watershed Overlay District	Throughout watershed	Village should consider implementing.	CA, 1986
Preserve vegetative buffers within 50 feet of pond water levels	Scudder's and upper ponds	Currently only structures regulated - Discuss at public outreach.	CA, 1986
Develop & distribute educational materials	Throughout watershed	Conducted per this study.	CA, 1986
Apply slow-release fertilizers instead of highly soluble inorganic fertilizers	Throughout watershed	Discuss at public outreach & coordinate with NSCC.	CA, 1986
Adopt and implement local erosion & sediment control law	Throughout watershed	New State Construction Codes dictate controls on 1 ac. & greater. Village should consider for smaller areas.	CA, 1986; CES, 1998
Stabilize concentrated flow areas to control erosion	Throughout watershed	Still an option.	CA, 1986
Implement routine street sweeping and debris removal from parking lots	Throughout watershed	Village already implemented – sweeps daily through winter and 1-2x/week rest of year.	CA, 1986; CES, 1998

Table 1.1 - Summary of Previous Recommendations & Preliminary Feasibility Assessment (cont.)

Require quantitative analysis of projected pollutant loads, removal capability & maintenance schedule for all BMPs	Throughout watershed	Still an option. Village should consider requesting pre and post development pollutant load analysis, plus designation of a responsible party for long-term maintenance.	CES, 1998
Mandatory septic tank inspections & clean outs every 3 years	Throughout watershed	Village should consider a law requiring upgrades to failed systems within established time period or with land transfer.	CES, 1998
Encourage native plants and xeriscapes	Throughout watershed	Recommendations for native plantings are part of this study.	CES, 1998
Use alternative de-icing products	Throughout watershed	Village does not stockpile inside Village limits - should consider, but needs to examine various cost factors.	CES, 1998
Implement brush control to improve drainage on areas of play	North Shore Country Club	Brush removal should be coupled with turf establishment to reduce soil erosion.	RPGA, 1998
Remove aquatic growth on perimeter of ponds for aesthetics	North Shore Country Club	Replace non-natives with shorter native varieties to improve aesthetics and maintain filter.	RPGA, 1998
Replace maintained rough areas with native grasses	North Shore Country Club	Highly recommended.	RPGA, 1998
Minimize reforestation adjacent to areas of play	North Shore Country Club	NSCC is encouraged to consider native grass mixtures or non-fertilized rough areas in lieu of woodlands.	RPGA, 1998