Town of Brookhaven

Conscience Bay and Setauket Harbor Stormwater Management Plan

Cashin Associates, P.C.

FINAL

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CONSCIENCE BAY AND SETAUKET HARBOR STORMWATER MANAGEMENT PLAN

Submitted to:
TOWN OF BROOKHAVEN

Prepared by:
Cashin Associates, P.C.
1200 Veterans Memorial Highway
Hauppauge, NY 11788

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LIST OF ABBREVIATIONS AND ACRONYMS

BMP	Best management practice
Brookhaven	Town of Brookhaven
CBI	Catch basin insert
CEA	Critical Environmental Area
CF	Cubic feet
CCMP	Comprehensive Conservation and Management Plan
County	Suffolk County
CR	County Road
CF	Cubic feet
DCR	NYSDOS Department of Coastal Resources
DO	Dissolved oxygen
FC	Fecal coliform
GIS	Geographical Information System
GPS	Global Positioning System
IDDR	Illicit Discharge Detection and Response
IPM	Integrated Pest Management
LF	Linear feet
LIPA	Long Island Power Authority
LIRR	Long Island Rail Road
LISS	Long Island Sound Study
MF	media filter
mg/l	milligrams per liter
MPN	Most Probable Number
MS4	Municipal Separate Storm Sewer System
NDZ	No Discharge Zone
NPDES	National Pollution Discharge Elimination System
NYCRR	New York Code of Rules and Regulations
NYS	New York State
NYSDEC	NYS Department of Environmental Conservation
NYSDOH	NYS Department of Health
NYSDOS	NYS Department of State
NYSDOT	NYS Department of Transportation
NYSSMDM	NYS Stormwater Managers Design Manual
Plan	Conscience Bay and Setauket Harbor Stormwater Management Plan
ROW	right-of-way
Rte.	Route
SC	Suffolk County
SCDHS	Suffolk County Department of Health Services
SF	Square feet
SPDES	State Pollution Discharge Elimination System
TMDL	Total Maximum Daily Load
TN	total nitrogen
Town	Town of Brookhaven
TP	total phosphorus
TSS	total suspended solids
USACE	US Army Corps of Engineers
USEPA	US Environmental Protection Agency

USGS	US Geological Survey
WQI	Water Quality Inlet
WQSE	Water Quality Storm Event

EXECUTIVE SUMMARY

The Stormwater Management Plan (Plan) focuses on Conscience Bay and Setauket Harbor located in the Town of Brookhaven, Suffolk County, NY. The goal of this Plan is to identify target stormwater mitigation projects that, when implemented, will enhance and improve protection of the water quality in these waterbodies. Specific objectives that have been undertaken to facilitate this goal are:

- Delineation of the watershed boundaries through review of area topography
- Mapping and assessment of the outfalls contributing runoff to the waterbodies or their tributaries
- Mapping and assessment of the existing storm drainage infrastructure associated with the outfalls
- Delineation of the drainage area that is currently contributing surface runoff to the drainage infrastructure, tributaries, or waterbodies
- Review of the existing recharge basins for locations with potential for improved and/or increased water quality storm containment
- Review of Town GIS data to identify potential lands to locate stormwater management measures
- Identification of potential mitigation measures for each outfall and general management strategies
- Definition of specific target projects for outfalls with the highest average annual pollutant loads
- Recommendations for a Stormwater Management Plan document that assess the findings of the field delineation and discusses the target projects and management strategies

The characterization of the watersheds includes review of the geographic setting components such as topography, surface hydrology, watershed limits, drainage areas, land use, municipal

lands, natural resources, jurisdictional boundaries and water quality components including classifications, designated uses, impairments, prior studies, and monitoring results.

The stormwater infrastructure and pollution mitigation projects section includes a description of the mapping methodology used to locate and assess the stormwater infrastructure, a description of the watershed infrastructure, pollutant load analysis, identification of potential stormwater mitigation measures, and detailed target project descriptions along with general municipal management strategies.

Section 3.5, Target Projects and Management Strategies, identifies eleven target projects for outfalls that typically have the largest estimated average annual pollutant loads in the watershed. The proposed projects include installing upgradient leaching basins, installing water quality inlets, reconfiguring recharge basin outfalls to contain the WQSE volume, installing catch basin inserts, and constructing a bioretention basin.

1.0 INTRODUCTION

The Conscience Bay and Setauket Harbor Stormwater Management Plan (Plan) identifies stormwater mitigation projects that, when implemented, will enhance and improve protection of the water quality in these waterbodies. The specific objectives in the preparation of this Plan are as follows:

- Delineate the watershed boundaries through review of area topography
- Map and assess the outfalls contributing runoff to the waterbodies or their tributaries
- Map and assess the existing storm drainage infrastructure associated with the outfalls
- Delineate the drainage area that is currently contributing surface runoff to the drainage infrastructure, tributaries or waterbodies
- Review the existing recharge basins for locations with potential for improved and/or increased water quality storm containment
- Review Town GIS data to identify potential lands to locate stormwater management measures
- Identify potential mitigation measures for each outfall and general management strategies
- Define specific target projects for outfalls with the highest average annual pollutant loads
- Prepare a Stormwater Management Plan document that assess the findings of the field delineation and discusses the target projects and management strategies

A watershed is defined as the area of land that drains to a particular point along a stream or other waterbody. Each waterbody has its own watershed. Topography is the key element affecting this area of land. The boundary of the watershed is defined by the highest elevations surrounding the waterbody. A drop of water falling outside of the boundary could not theoretically surface drain to the identified watershed. Development activities in a watershed can change the surface cover and topography and consequently limit the surface area of the watershed that drains to the waterbody; development activities can also increase the quantity of runoff into the waterbody by increasing the impervious cover. In turn, the development deposits

additional pollutants on the watershed surface, allows the increased runoff to carry the larger pollutant loads into the waterbodies, and subsequently affects the health of the waterbodies.

Conscience Bay (the Bay), Setauket Harbor (the Harbor) and their watersheds are located along the north shore of Long Island in the Town of Brookhaven (Town). The Bay and Harbor are connected to Port Jefferson Harbor, which in turn drains to the Long Island Sound (the Sound). Conditions in these waterbodies are closely tied to the Long Island Sound ecosystem and the inflow from the harbors and bays along the Long Island's North Shore affects the Sound's water quality and ecosystem.

Runoff is carried to the Bay and Harbor from outfalls along their shorelines and from tributaries that extend to the south. The tributaries contain a number of small ponds, wetlands, and stream sections. The impacts from the development of the surrounding areas have adversely influenced the waterbodies.

Characterization of the watersheds includes a review of geographic setting components such as topography, surface hydrology, watershed limits, drainage areas, land use, municipal lands, natural resources and jurisdictional boundaries; and water quality components including classifications, designated uses, impairments, prior studies, and monitoring results.

The stormwater infrastructure and pollution mitigation projects section includes a description of the mapping methodology used to locate and assess the stormwater infrastructure, a description of the watershed infrastructure, a pollutant load analysis, the identification of potential stormwater mitigation measures, and detailed target project descriptions along with general municipal management strategies.

The Plan will guide long-term development of the mitigation measures, target projects, and management strategies to improve water quality from the stormwater drainage systems that outflow to the Bay and the Harbor.

2.0 WATERSHED CHARACTERIZATION

The watershed characterization includes a delineation of the watersheds that contribute surface runoff to the Bay and the Harbor and description of the available information on factors that have been identified as contributing to the deterioration of water quality of the waterbodies.

The watershed characterization describes the following aspects of the study area:

- Watershed boundaries through delineation of the lands that drain to the surface waters
- Geographic setting including physical conditions, drainage areas, land use, and jurisdictional boundaries
- Water quality characterization through review of existing records and data
- Stormwater drainage infrastructure from visual assessments

2.1 WATERSHED AREA DESCRIPTION

Conscience Bay and Setauket Harbor are part of the Port Jefferson Harbor Complex (PJH Complex) located at the midpoint of Long Island's north shore in the Town of Brookhaven. Conscience Bay is located at the western end of the PJH Complex and includes a small stream that feeds into the bay at its southern end. Conscience Bay is connected to the Port Jefferson Harbor by a narrow inlet known as "The Narrows." Conscience Bay is surrounded by Strongs Neck to the east, the hamlet of Setauket to the south, and the Village of Old Field to the west.

Setauket Harbor is located in the center of the PJH Complex with Conscience Bay to the west and Port Jefferson Harbor to the east. Setauket Harbor is surrounded by Strongs Neck to the north, the hamlets of Setauket and East Setauket to the west, south and southeast, and the Village of Poquott to the east. Setauket Harbor is separated into three sub-embayments including: Little Bay located southwest of Strongs Neck; East Setauket, the central sub-embayment; and Poquott, the northern sub-embayment.

Conscience Bay and Setauket Harbor are fed by small, perennial, groundwater-fed freshwater tributary and pond systems that receive large inputs of stormwater runoff during significant storm events.

Conscience Bay is approximately 311 acres in size. The surrounding watershed was defined using GIS surface topography and is 3,588 acres or 5.6 square miles. In its current form, the headwaters of the main freshwater tributary originate near the North County Road and Ridgeway Avenue intersection. This main tributary enters Conscience Bay at its southern end north of Old Field Road/Main Street intersection. Setauket Mill Pond (the Pond) is located on the tributary and extends from Christian Avenue to the outfall into the Bay. The Pond is culverted under Old Field Road. The tributary is approximately one mile in length. The length may vary depending on seasonal fluctuations in groundwater levels, prevailing weather patterns, and resultant stormwater inputs. Other locations where outfalls or surface runoff enters Conscience Bay are located along the shoreline of the Bay.

Setauket Harbor is approximately 311 acres in size. The surrounding watershed was defined using GIS surface topography to be 2,041 acres or 3.2 square miles. In its current form, the headwaters of the main freshwater tributary originate near the Gnarled Hollow Road and Old Post Road intersection. This tributary enters Setauket Harbor at its southern end north of Main Street. Several small ponds are located along the tributary segment between Main Street and Old Post Road. The tributary is approximately one-third of a mile in length. The length may vary depending on seasonal fluctuations in groundwater levels, prevailing weather patterns, and resultant stormwater inputs. Other locations where outfalls or surface runoff enters Setauket Harbor are located along the shoreline of the Harbor.

Field evaluation of the watershed examined alterations to the topographic drainage pattern that limit the amount of surface runoff that may be expected to enter the waterbodies and tributaries. The surface drainage boundary is defined as the drainage area from which direct surface runoff or drainage through infrastructure systems may outfall into the waterbodies and tributaries. Runoff from the areas outside of the surface drainage boundary and the watershed boundary or

area described as self-contained is collected in drainage structures such as recharge basins or leaching pools that infiltrate to groundwater. Although groundwater has the ability to transport some pollutants to surfaces waters, this Plan focuses on the direct contribution from surface outfalls. The watershed boundary and the surface drainage boundary are shown on Map 1.

2.2 GEOGRAPHIC SETTING

This section includes descriptions of the geographic factors that determine the watershed boundaries, affect the conditions of the runoff, and impact the recommendations and strategies for water quality improvements.

2.2.1 TOPOGRAPHY

The general landform of the Conscience Bay and Setauket Harbor watersheds can be described as a steep shoreline with rolling upland moraine. The rolling moraine ranges from nearly level in some location to steep in others. The elevation ranges from mean sea level (MSL) at the waterbodies to 200 feet above MSL at the southern watershed boundaries. The watershed extends approximately 15,000 feet south from the mouths of the main tributaries. The widths of the watersheds vary, but each watershed is approximately 10,000 feet wide at its widest point. The major drainage ways extend south from the waterbodies and generally follow the topography of adjacent roads. Grading associated with construction of area roads and housing subdivisions has altered the drainage pattern throughout the watersheds. The topography and stormwater runoff patterns were assessed using United States Geological Survey (USGS) topographic maps and NYS GIS data.

2.2.2 SURFACE HYDROLOGY

The surface waters that contribute to the Conscience Bay and Setauket Harbor watersheds include two freshwater streams, small freshwater wetlands areas, and several small ponds. The surface waters are located along the main tributaries into both Conscience Bay and Setauket

Harbor. Storm runoff from roadway drainage systems adjacent or connected to the surface waters outflows into the surface waters and are carried to the bay or harbor. Several freshwater ponds are also located at the southern end of the Conscience Bay watershed along Nicolls Road (CR 97). While these tributaries are fresh water systems, Conscience Bay and Setauket Harbor are tidal, with a tidal range of approximately two feet.

Preparation of this Plan included identification of drainage infrastructure and connectivity, along with the locations of topographic high points, to determine the limits of the drainage areas contributing runoff to the waterbodies or to infrastructure that discharges into the waterbodies. Following data collection and input, catchment areas were delineated to identify the actual area contributing runoff to each outfall. The delineation is discussed further in Section 3.1, Stormwater Drainage Infrastructure.

In a number of areas, the runoff directly discharges to the waterbodies from street ends, lawns and landscaped areas, and roads. However, surface runoff from most of the drainage area does not flow overland to surface waters, but is conveyed through stormwater drainage structures and piping. Stormwater drainage structures collect runoff and deliver it to surface waters through numerous outfall pipes.

2.2.3 SURFACE DRAINAGE BOUNDARIES

The watershed boundaries were defined by analyzing the topographic data of the areas natural drainage patterns and identifying all lands that have the potential to drain to Conscience Bay or Setauket Harbor. That definition did not consider existing drainage infrastructure that may exist that alters those drainage patterns and did not account for the topographic and drainage modifications of development in the watersheds. A small northeastern segment of Strong's Neck was determined to be part of the Port Jefferson Harbor watershed but was included in this Plan. The watershed boundaries are shown on Map 1.

Field evaluation of the watershed area and analysis of GIS data received from the Town identified changes to the natural drainage pattern, including topographic changes and the

installation of drainage structures, piping and recharge basins. Mapping of these changes redefined the watershed area that can be expected to drain to the waterbodies and tributaries. The revised areas are defined as the surface drainage areas and are shown on Map 1. The surface drainage area boundaries are the limits of the areas from which pollutants from roads and properties can be expected to enter the waterbodies either from direct surface runoff or through drainage infrastructure. Runoff from the area between the surface drainage boundary and the watershed boundary is generally collected into drainage structures, such as recharge basins or leaching basins, which have no direct connection to surface waters and infiltrate to groundwater.

For the purpose of this Plan, the storm drainage infrastructure reviewed was limited to those structures and surface areas connected to a system that directly drains to Conscience Bay or Setauket Harbor and to Port Jefferson Harbor from Strong's Neck. The drainage area identified as contributing surface runoff both directly or via a piped system to Conscience Bay is 837 acres and to Setauket Harbor is 1130 acres.

The drainage areas were further defined by identifying the catchment area for each outfall. This was completed by reviewing the drainage infrastructure connected to each outfall, the road drainage patterns and the elevation high points. Each catchment area directs runoff to Conscience Bay or Setauket Harbor by surface or structural means, or to locations adjacent to the tributaries where the existing drainage infrastructure does not appear adequate to provide storage capacity for a 1.2-inch rainfall, although no outfall location was identified. The volume of storm water produced by a 1.2-inch rainfall event is the water quality storm event (WQSE) defined by the New York State Department of Environmental Conservation (NYSDEC) as the design standard, as discussed in Section 3.1, Stormwater Drainage Infrastructure. The catchment areas are identified by street name and linear feet (LF) of road on *Table 3-3: Outfall Mitigation Potential* and by total drainage area on *Table 3-1: Annual Pollutant Load Estimate*. Section 3.4 of this Plan includes a written description of the main catchment areas.

2.2.4 LAND USE

Land use plays an important role in relation to stormwater quality. Typically, heavily developed sites with large areas of impervious surfaces, such as commercial sites, and small residential properties with limited vegetated areas generate more runoff than sites that maintain large areas of vegetative cover or pervious surfaces. For that reason, land use is a consideration in the development of a Stormwater Management Plan.

The predominant land use in the Conscience Bay and Setauket Harbor watersheds is single-family residential housing. The majority of the residential use is on lots smaller that one-acre in size. Secondary uses include commercial development mainly centered along North Country Road and Main Street (NYS Route 25A); institutional uses include local primary and secondary schools, the Stony Brook University Campus, and Stony Brook University Medical Center (which are labeled as "Rec and Entertainment" on the Town GIS land use data); and preserved parkland (which is labeled as either "Vacant," "Wild, Forested, Conservation," or "Rec and Entertainment" on the Town GIS data). Industrial land use is limited to the area of the Setauket Harbor watershed immediately south of the railroad tracks between Gnarled Hollow Road and Hulse Road. Land uses from the Town of Brookhaven GIS database are shown on Map 2.

2.2.5 MUNICIPAL LANDS

Approximately 370 acres of land are held in Town ownership within the Conscience Bay and Setauket Harbor watersheds. These lands include Town-owned parks and preserved parcels for active and passive recreation, as well as waterfront access. Many of the publicly-owned properties are recharge basins that receive stormwater runoff from adjacent streets. The public lands defined as Town recharge basins are included on *Map 3: Municipal Lands* and described on *Table 3-2: Brookhaven–owned Lands Assessment and Mitigation Potential*. Additionally, Suffolk County-owned and New York State-owned lands lie within the watersheds, as described below.

Town of Brookhaven

- Town of Brookhaven owns parcels in the Conscience Bay and Setauket Harbor watersheds totaling 370 acres. The largest parcels are located at the southern limit of the Conscience Bay watershed along North Belle Mead Avenue and total 250 acres. These lands are preserved lands and are not actively managed.
- The Town owns several smaller parcels throughout the watersheds including the 2.1-acre parkland parcel at the outfall to Setauket Harbor and a 1.1-acre parcel along the Conscience Bay tributary south of Christian Avenue.
- Several Town-owned parcels are part of cluster development or subdivision and noted as either undeveloped parkland or cluster development in GIS data. The lands include five parcels totaling 22.7 acres.
- The Town owns two parcels (1.0 acres and 0.8 acres) along the Conscience Bay waterfront in the Village of Old Field.
- Sixty parcels, totaling 83 acres, are identified as Town recharge basins in the Town GIS data.
- A Town highway yard (4.8 acres) is located on Old Town Road.

Suffolk County

- Suffolk County owns parcels in the Conscience Bay and Setauket Harbor watersheds totaling 159 acres. The parcels are mainly along the southern limit of the Conscience Bay and Setauket Harbor watersheds. The majority of these lands are preserved lands and are not actively managed.
- Development rights have been purchased from five parcels within the watersheds totaling 79.4 acres. Two of the parcels encompass the Detmer Farm located at the corner of North Country Road (Rte. 25A) and Ridgeway Avenue. Detmer Farm is agricultural land use that was observed to have large areas of bare soil and is located adjacent to the drainage way for the main tributary to Conscience Bay. In some cases, the development rights may have been a joint purchase with Town of Brookhaven.

New York State

- New York State owns property in the watersheds totaling approximately 860 acres. These lands are predominantly associated with the campuses of Stony Brook University and Stony Brook University Medical Center, located at the southern end of the Conscience Bay watershed.
- According to the Town GIS data, there are two state-owned recharge basins located north of Rte. 25A. The parcels are 1.1 acres (Tax map no. 0200-155-1-1) and 2.4 acres (Tax map no. 0200-110-2-22), respectively, and are connected to piped systems from Rte. 25A. (It should be noted that the 2007 Tax Map Album identifies these properties as Brookhaven ownership.)
- NYS owns an undeveloped road right-of-way (ROW) that extends from North Country Road east of the Main Street/Bennett's Road intersection to the eastern boundary of the Setauket Harbor watershed east of Comsewogue Road.

2.2.6 NATURAL RESOURCES

The natural resources section of this Plan includes descriptions of the wetland habitats, living resources, and endangered species within the watershed and the land use impairments, habitat losses, and invasive species that affect the natural resources.

Tidal Wetlands

Tidal wetlands are ecologically important and environmentally productive, supporting a diversity of species. Tidal wetlands provide a number of valuable stormwater mitigation functions including flood control, shore protection, sediment reduction, and pollution mitigation.

The tidal wetlands were inventoried and mapped by the NYSDEC in 1979. According to the NYSDEC Tidal Wetlands maps, the following categories of tidal wetlands are found within or immediately adjacent to the study area:

- **Littoral Zone (LZ)**: Underwater lands and open water up to a maximum depth of six feet at mean low water. Littoral zone is located at the northern limit of Conscience Bay and the main channel of the East Setauket and Poquott sub-embayments of Setauket Harbor.
- **Coastal Shoals, Bars, and Mudflats (SM)**: Areas that are exposed at low tide or covered to a maximum depth of one foot and generally not vegetated by smooth cordgrass (*Spartina alterniflora*). The majority of Conscience Bay is designated SM. In Setauket Harbor, all of Little Bay and the East Setauket and Poquott sub-embayments, with the exception of the main channel, are designated SM.
- **Intertidal Marsh (IM)**: The areas that lay generally between the average high and low tide elevations and where the predominant vegetation is smooth cordgrass. Intertidal marsh occurs along the shoreline of both Conscience Bay and Setauket Harbor.
- **High Marsh/Salt Meadow (HM)**: The normal upper-most tidal wetland zone usually dominated by salt meadow grass (*Spartina patens*) and spike grass (*Distichlis spicata*). This zone is periodically flooded by spring and storm tides, and is often vegetated by low vigor smooth cordgrass and seaside lavender (*Limonium carolinianum*). Upper limits of this zone often include: black grass (*Juncus gerardi*); chairmaker's rush (*Scirpus sp*); marsh elder (*Iva frutescens*), and groundsel bush (*Baccharis halimifolia*). High marsh occurs along segments of the shoreline of both Conscience Bay and Setauket Harbor.

Freshwater Wetlands

In accordance with Article 23 of the New York State Environmental Conservation Law (NYS, 1075), freshwater wetlands are those lands and waters that meet the following criteria:

- Contain marshes, swamps, bogs, wetlands trees, wetland shrubs, emergent vegetation free-floating vegetation, rooted floating vegetation, submergent vegetation
- Are substantially enclosed by aquatic or semi-aquatic vegetation
- Are shown on the NYS Freshwater Wetlands maps

Freshwater wetlands associated with the Conscience Bay and Setauket Harbor waters within the Town of Brookhaven are located along the southern tributaries to both waterbodies. In Conscience Bay there are: NYSDEC designation PJ-1 (the tributary drainage channel that

extends from Mill Pond south to south of Brewster Hill Road); PJ-5 (low area located east of Main Street between Ridgeway Avenue and Rte. 25A). In Setauket Harbor there are: PJ-2 (the tributary channel from north of Main Street to south of Mills Lane); PJ-6 and PJ-7 (low areas located north and south, respectively, of Old Post Road east of Old Coach Road). In addition, a series of freshwater wetlands (PJ-10, PJ-11, PJ-12, and PJ-14) are located south of Rte. 25A along or near Nicolls Road (CR 97).

2.2.7 JURISDICTIONAL BOUNDARIES

In accordance with NYSDEC State Pollution Discharge Elimination System Phase II Stormwater Management Program for Municipal Separate Storm Sewer Systems (SPDES MS4s), outfalls are also defined as areas where stormwater runoff crosses jurisdictional boundaries. The Conscience Bay and Setauket Harbor watersheds are located mainly within the Town of Brookhaven. The Conscience Bay watershed extends into Village of Old Field jurisdiction, and the Setauket Harbor watershed extends into Village of Poquott jurisdiction. Two Brookhaven Town properties located along the shoreline of Conscience Bay in the Village of Old Field were reviewed for outfalls as part of this Plan. Suffolk County has jurisdiction over Nicolls Road (CR 97) which extends from the southern limit of the Conscience Bay watershed to North Country Road. New York State has jurisdiction over Rte. 25A (North Country Road and/or Main Street depending on location), which extends northeasterly through the center of the Conscience Bay watershed and along the northern portion of the Setauket Harbor watershed. The field assessment identified locations where stormwater runoff crosses these jurisdictional boundaries as outfalls.

2.3 WATER QUALITY CHARACTERIZATION

The primary objective of most water quality monitoring programs in New York State is to prevent human health impacts from exposure to pathogenic bacteria and viruses (e.g., the hepatitis and Norwalk viruses, and Salmonella bacteria). Pathogen exposure can result from either direct contact with contaminated water or the consumption of tainted shellfish. Water

quality testing for these pathogens typically entails testing for the presence of coliform bacteria, which are generally non-pathogenic, but are relatively easy to measure. Because coliform bacteria co-exist with the pathogens of primary concern mentioned above, the coliform bacteria serve as an indicator of the possible presence of pathogens.

Alterations in stream and stormwater system discharge occur as a result of seasonal and yearly fluctuations in precipitation, seasonal changes in groundwater levels, and increased urbanization. Removal of vegetation, compaction of soils, and construction of impervious surfaces are examples of human activities that can significantly impact normal hydrologic processes. These activities can cause waters to become stagnant or turbulent, decrease soil permeability, cause erosion and soil deposition, improve or aggravate flooding conditions, increase or decrease water and pollutant residence times, and affect natural water quality functions such as the settling of soil particles. Waterbodies that are classified with a best usage that allows greater human contact (e.g. water supply for drinking, food processing, contact recreation, fish propagation and shellfishing) must meet a higher standard than waters that are classified for lesser human contact, such as fish survival.

2.3.1 WATER QUALITY CLASSIFICATIONS AND DESIGNATED USES

The NYSDEC has designated Conscience Bay and Setauket Harbor as priority waterbodies with adverse impacts upon aquatic life. A priority waterbody designation means that specified uses are precluded, impaired, stressed or threatened. See *Table 2-1: NYSDEC Water Quality Classifications* for the identified best usages for the waterbodies and *Table 2-2: Conscience Bay and Setauket Harbor Use Impairments* for the identified impacts to the waterbodies. The causes of this impairment are identified as priority organics (PCBs), pathogens, dissolved oxygen, nutrients, and oil and grease caused by sources including storm sewers and urban runoff.

The southern sections of Conscience Bay and Setauket Harbor are NYSDEC uncertified shellfishing lands. Uncertified shellfishing lands are areas where the NYSDEC has prohibited shellfishing harvesting for food uses in accordance with NYSDEC regulation 6 NYCRR Part 41. A large portion of the uncertified lands of Setauket Harbor, including Little Bay and the main

section of Setauket Harbor and excluding the areas at the mouths of the two main tributaries, are included in a conditional shellfish-harvesting program that allows the lands to be "certified" or open to shellfishing dependent on the amount of precipitation recorded. The conditional shellfish-harvesting program is in effect from December 17, 2007 to April 18, 2008. The northern sections of Conscience Bay and Setauket Harbor are "certified" and remain open for shellfish harvesting from November 1 to April 30 each year. The exception to that is the area known as "The Narrows," the northern segment of Conscience Bay; it is subject to closure for several days prior to, during, and for several days following the Fourth of July and Labor Day holidays due to heavy boat usage.

Table 2-1: NYSDEC Water Quality Classifications summarizes the Conscience Bay/Setauket Harbor NYSDEC general water quality classifications in terms of their best usage. While Table 2-1 identifies "best usages," the actual usage of the waters is dependent upon the impairments to the quality of the waters. The numerous parameters that commonly characterize water quality include taste, color, suspended solids, oils, refuse, thermal discharges, phosphorus, nitrogen, and dissolved solids. A common example of this is Class "B" waters that have a best usage for primary recreational contact (swimming), but are closed because of impacts to the water quality from high bacteria levels. This is what has happened when local beaches are closed after a rainfall.

Table 2-1: NYSDEC Water Quality Classifications (6 NYCRR Part 701 and Part 925).

Waterbody	Water Index Number	Water Classification	Best Usage
Conscience Bay and tidal tributaries - saline	LIS-PJH-CB	**SA**	The best usages of Class SA waters are shell fishing for market purposes, primary and secondary contact recreation, and fishing. These waters shall be suitable for fish propagation and survival.
Trib. of Conscience Bay - mouth to outlet of P 340a	LIS-PJH-CB-66 portion	**SC**	The best usage of Class SC waters is fishing. These waters shall be suitable for fish propagation and survival. The water quality shall be suitable for primary and secondary contact recreation, although other factors may limit the use for these purposes.
Trib. of Conscience Bay - from inlet of P 340a to source	LIS-PJH-CB-66 portion	**C**	The best usage of Class C waters is fishing. These waters shall be suitable for fish propagation and survival. The water quality shall be suitable for primary and secondary contact recreation, although other factors may limit the use for these purposes.
Trib. of Conscience Bay	LIS-PJH-CB-P 340a	**C**	The best usage of Class C waters is fishing. These waters shall be suitable for fish propagation and survival. The water quality shall be suitable for primary and secondary contact recreation, although other factors may limit the use for these purposes.
Setauket Harbor - saline	LIS-PJH-SH	**SA**	The best usages of Class SA waters are shell fishing for market purposes, primary and secondary contact recreation, and fishing. These waters shall be suitable for fish propagation and survival.
Other waters	Intermittent Streams	**D**	The best usage of Class D waters is fishing. Due to such natural conditions as intermittency of flow, water conditions not conducive to propagation of game fishery, or streambed conditions, the waters will not support fish propagation. These waters shall be suitable for fish survival. The water quality shall be suitable for primary and secondary contact recreation, although other factors may limit the use for these purposes.

2.3.2 RESOURCE USE IMPAIRMENTS

Impairments to water bodies are often described in terms of their effects on the fish and game population of the water bodies. The New York State Department of Health (NYSDOH) issues health advisories concerning the consumption of sport fish caught in New York State waters. The NYSDOH has issued no specific advisories for Conscience Bay or Setauket Harbor. There are NYSDOH general advisories issued for all waters of the Long Island Sound west of Wading River. The contaminants of concern are PCBs in fish and cadmium, dioxin, and PCBs in crabs and lobsters. The general advisories include the following:

- Eat no more than one meal (1/2 pound) per week of fish from state freshwaters
- No one should consume any liver or tomalley (soft green substance) from crabs and lobsters or the cooking liquid because cadmium, PCBs, and other contaminants concentrate there.
- Women of childbearing age and children under the age of 15 should consume no striped bass from these waters.
- Others should consume no more that one meal per month of striped bass from these waters
- Eat no more than one meal per week of American eel and bluefish from these waters.
- Mergansers are the most heavily contaminated waterfowl species and should not be eaten. Eat no more than two meals per month of other wild waterfowl. The contaminants of concern include PCBs, mirex, chlordane, and DDT
- Women of childbearing age, infants, and children under the age of 15 should avoid eating snapping turtles or soups made with their meat. The contaminant of concern is PCBs

Table 2-2 presents the use impairment, pollution sources, and types of pollution types for the watersheds. Shellfish restrictions were discussed in Section 2.3.1.

Table 2-2: Conscience Bay and Setauket Harbor Use Impairments

Waterbody	Uses Impacted	Pollution Type	Pollution Source
Conscience Bay and tidal tributaries	**- Shellfishing** **- Public bathing** **- Fish consumption** - Aquatic life - Recreation	**- PRIORITY ORGANICS (PCBS/migratory fish)** **- PATHOGENS** **- D.O./** Oxygen demand - Nutrients (Nitrogen) - Oil and grease	**-Storm sewers** **-Urban runoff** **- Boat pollution** **- Municipal (PJ STP)** -Failing on-site septic systems -Migratory fish species
Setauket Harbor	**- Shellfishing** **- Public bathing** **- Fish consumption** - Aquatic life - Recreation	**- PRIORITY ORGANICS (PCBS/migratory fish)** **- PATHOGENS** **- D.O./** Oxygen demand - Nutrients (Nitrogen) - Oil and grease	**-Storm sewers** **-Urban runoff** **- Boat pollution** **- Municipal (PJ STP)** -Failing on-site septic system -Migratory fish species

Bold indicate **MAJOR** use impacts/pollutants/sources
Source: NYSDEC Atlantic Ocean/Long Island Sound Waterbody Inventory and Priority Waterbody List - 2002

2.3.3 PRIOR WATER QUALITY STUDIES AND MONITORING RESULTS

The following are summaries of prior studies, reports, and water monitoring data that are related to Conscience Bay and Setauket Harbor:

Long Island Sound Study

The ***Long Island Sound Study (LISS)***, a cooperative effort between the USEPA, New York and Connecticut, works to protect and improve the health of the Long Island Sound. It has identified pollutant loading to waterbodies contiguous to the Long Island Sound, such as Conscience Bay and Setauket Harbor, as a source of concern. The *LISS* planning effort includes the 1994 ***Long Island Sound Comprehensive Conservation and Management Plan*** (CCMP) and the 2003 LIS Agreement. These documents listed several high priority issues for the Sound including pathogen contamination, floatable debris, living resources and habitat management, and land use and development. The CCMP developed specific recommendations for actions to improve water quality, protect resources, and monitor progress.

Final Report for Shellfish Pathogen TMDLs for 27 303(d)-listed Waters (TMDL Report)

The Conscience Bay and Setauket Harbor water bodies were included on the New York State's *303(d) List of Impaired Water* (NYSDEC, 2003). In accordance with the USEPA Water Quality Planning and Management Regulations (40 CFR, Part 30), this necessitates the development of a Total Maximum Daily Load (TMDL) for pathogens. The TMDL established the maximum amount of pathogens that Conscience Bay and Setauket Harbor are capable of assimilating while still meeting the classified water quality standard. In 2007, the NYSDEC released the ***TMDL Report***, which includes Conscience Bay and Setauket Harbor.

The *TMDL Report* evaluated the various pathogen sources and their contribution to Conscience Bay and Setauket Harbor. The *TMDL Report* notes that both the Bay and Harbor were designated as Vessel Waste No-Discharge Zones (NDZ), and due to the requirements of that designation it is assumed that vessel-derived human waste is not a major source of coliform bacteria.

According to the *TMDL Report*, Conscience Bay has thirteen NYSDEC and three Suffolk County Department of Heath Services (SCDHS) monitoring stations. Those stations indicate widespread exceedance of fecal coliform standards, with the highest elevations within or near the head of the inner Bay where the freshwater pond discharges into the narrow tidal segment. Sources and reasons for the fecal coliform exceedance problems include the poor flushing of the Bay due to its length, shallow depth and geomorphologic characteristics, the high numbers of waterfowl, and contributing freshwater ponds. The existing annual fecal coliform (FC) load to Conscience Bay was estimated to be 8,501,928 billion FC/year, of which the majority was from residential/urban land. Of the residential/urban lands load, the major source is domestic pets (7,909,229 billion FC/year). According to the *TMDL Report*, to meet the target TMDL in Conscience Bay a 99% reduction in current pathogen loads will be required.

The *TMDL Report* considered Setauket Harbor as three sub-embayments: Little Bay, East Setauket, and Poquott. The water quality data suggested that the majority of the FC exceedances

are in the sub-embayments, while the main channel located in the center of the Harbor does not show significant impairment.

According to the *TMDL Report*, Setauket Harbor has thirteen NYSDEC and five SCDHS monitoring stations. Those stations indicate FC exceedances in the sub-embayments, but not in the main channel. The existing annual FC loads to sub-embayments of Setauket Harbor are as follows:

- Little Bay sub-embayment fecal loads were estimated to be 373,029 billion FC/year, of which the majority is from residential/urban lands. Of the residential/urban lands load, the major source is domestic pets (353,203 billion FC/year). According to the *TMDL Report*, in order to meet the target TMDL in Little Bay an 84% reduction in current loads will be required.

- East Setauket sub-embayment fecal loads were estimated to be 3,789,681 billion FC/year, of which the majority was from residential/urban lands. Of the residential/urban lands load, the major source is domestic pets (3,561,466 billion FC/year). According to the *TMDL Report*, in order to meet the target TMDL in East Setauket sub-embayment a 79% reduction in current loads will be required.

- Poquott sub-embayment fecal loads were estimated to be 830,987 billion FC/year, of which the majority was from residential/urban lands. Of the residential/urban lands load, the major source is domestic pets (790,502 billion FC/year). According to the *TMDL Report*, in order to meet the target TMDL in Poquott sub-embayment a 99.5% reduction in current loads will be required.

3.0 STORMWATER DRAINAGE INFRASTRUCTURE AND POLLUTION MITIGATION PROJECTS

This section describes the drainage infrastructure and drainage systems within the Conscience Bay and Setauket Harbor watersheds, assesses potential pollutant loads, and identifies specific target structural projects to mitigate existing pollutant loads.

NYSDEC has assigned a pathogen TMDL to Conscience Bay and Setauket Harbor. The pathogen TMDL requires a reduction of pollutant loads by 99% in Conscience Bay and from 79.0% to 99.5%, depending on sub-embayment location, in Setauket Harbor, in order to meet water quality classification requirements. The NYSDEC also requires the removal of 80% of Total Suspended Solids (TSS) and 40% of Total Phosphorus (TP) from new development. These removal rates are difficult to achieve with structural measures in developed watersheds where little land area is available to site remediation efforts. The final paragraphs of this section include a brief description of additional management strategies that can be implemented to further aid in reducing pollutant generation, achieving the TMDL load reduction, and improving the watershed by alternate means (e.g. implementing watershed management plans, maintaining existing drainage infrastructure, and preserving land). In the future, the management strategies identified can be more fully developed through the preparation of a Watershed Management Plan.

3.1 STORMWATER DRAINAGE INFRASTRUCTURE

As described in Section 2.1, the watershed was initially delineated using surface topography. Stormwater drainage systems installed to collect storm runoff from the network of roads, subdivisions, and commercial development have substantially altered the drainage patterns within the watershed. Mapping and assessment of the outfalls and upgradient drainage infrastructure are necessary to determine the drainage areas that continue to contribute surface stormwater runoff to Conscience Bay or Setauket Harbor.

3.1.1 INFRASTRUCTURE SURVEY AND MAPPING METHODOLOGY

The method utilized to collect drainage data in the field was GPS field collection. Structures were field located by visual reconnaissance. Upon locating an outfall or structure, the field team used a mobile Geographic Information System (GIS) tracking device with integrated geographical positioning system (GPS) (Trimble Nomad with Windows CE and ERSI ArcPad) to collect the GPS position, structure information, and photographs for each asset. The GPS-collected data was downloaded by GIS personnel to ArcGIS 9.3, and assigned structure identification numbers. As required by the SPDES MS4s program, all locations where surface flow enters the waterbodies from outfall piping, swales or concentrated overland flow were designated as outfalls. In addition, all locations where surface flow moves between two jurisdictional entities (e.g., the Town and the State) were identified as jurisdictional outfalls. The collected information was provided to the Town for review and for inclusion in their geodatabase at the completion of this project.

Each field-identified structure was assessed by the field personnel. Accessible structures were visually inspected to determine if upgradient structures were contributing surface runoff to Conscience Bay or Setauket Harbor. The eastern side on Strongs Neck, which drains to Port Jefferson Harbor, was also mapped. The inspection included a determination of the sizes and connectivity of the structures and analysis of the surrounding topography. The size and connectivity of the drainage structures were determined by inspecting the interior of the accessible structures to observe existing piping and direction of flows. In some instances, if a structure was not accessible due to a field condition, assumptions as to condition were made. The catchment area, the surface area that contributes runoff to each outfall, was determined by locating and mapping road high points and interconnected infrastructure. In addition, the condition of the interior of each accessible structure was noted, including any observed collection of sediments or standing water. Locations where road runoff flows to surface waters or wetlands were also identified. All locations were mapped and data collected using the hand-held GPS device and the information downloaded to the GIS program upon return to the office. The findings are discussed below.

During field inspection, 71 outfalls were identified. Of the 71 outfalls, 41 are structural outfalls such as pipes, headwalls, or road grates. There are 22 additional locations where surface flow from roads and paved areas enters the surface waters via an open channels or swales, three locations where additional investigation is required to determine the outfall method, and four locations where runoff is to a low area or recharge basin, not the bays or their tributaries. All outfall locations and identified drainage structures were assigned identification numbers.

Each drainage structure has an assigned identification number as described above. The outfalls are listed by those numbers (e.g., Outfall 343) on Plan Tables 3-1 and 3-3; in Plan Sections 3.4 and 3.5; and on the Plan Maps. In order to aid in the assessment of impairments associated with the watersheds, this section divides the watershed outfalls by those to the Bay and Harbor and by those to the tributaries of the Bay or Harbor. The *Table 3-3: Outfall Mitigation Potential* shown in this Plan contains a detailed description of each outfall including location and type of discharge (i.e. outfall, channel, none, or unknown), along with street location, system description, land use, and contributing area. These tables were developed from the GIS data files. During the field assessment, data about each structure was entered into the GPS unit and downloaded to GIS files. The GIS data files contain additional data on bank location, odor, submerged flow, color, turbidity, floatables, access, and file names for photographs of each structure. Printed copies of the GIS data files are included for information purposes as Appendix A to this Plan and were provided to the Town as document files for incorporation into the Town GIS database.

3.1.2 CONSCIENCE BAY OUTFALLS

The outfalls that drain into Conscience Bay or its tributary are shown on Map 4 and are divided in the Plan text as follows:

- Eleven directly to Conscience Bay of which:
    - Two (20, 24) are open channels or swales
    - Five (19, 21-23, 42) are pipe outfalls

  - Three (38, 39, 40) are channels on Town-owned lands along the shoreline in the Village of Old Field
  - One (41) is a channel located in the Village of Old Field just north of the Town boundary that carries Town runoff
- Twenty-three to the freshwater tributary to Conscience Bay of which:
  - Six (47, 49, 50, 55, 58, 66) are open channels or swales
  - Fourteen (44-46, 48, 53, 54, 56, 57, 59, 61-65) are pipe outfalls
  - One (60) is the overflow weir for a recharge basin on Brewster Hill Road
  - Two locations (51, 52) require additional investigation

3.1.3 SETAUKET HARBOR OUTFALLS

The outfalls that drain into Setauket Harbor or its tributary are shown on Map 4 and are divided in the Plan text as follows:

- Fifteen directly to Setauket Harbor of which:
  - Four (1, 7, 8, 9) are channels or swales in the Town
  - Eleven (2-6, 10-12, 14, 25, 26) are pipe outfalls in the Town
- Twelve to the freshwater tributary to Setauket Harbor of which:
  - Three (32, 35, 37) are channels or swales in the Town
  - Eight (27-31, 33, 34, 36) are pipe outfalls in the Town
  - One (67) is a possible illicit discharge

3.1.4 PORT JEFFERSON HARBOR OUTFALLS

The outfalls that drain into Port Jefferson Harbor from Strongs Neck include four locations (15-18). One (15) is a pipe outfall and the remaining three (16-18) are channels or swales. The outfalls are shown on Map 4.

3.1.5 OTHER OUTFALLS

Several locations, initially identified as outfalls, were not connected to surface waters or their tributaries including:

- Two (43, 71) drain to upland low areas in the Conscience Bay watershed
- Four (13, 68, 69, 70) drain to upland low areas or recharge basins in the Setauket Harbor watershed

3.2 POLLUTION POTENTIAL

A watershed's potential to generate pollution that reaches waterbodies is based on assessing several conditions, including identifying sources that generate pollutants and the potential for the pollutant to be carried in runoff. Pollutant sources are based on assessment of land uses, while runoff potential is based on the assessment of the imperviousness of the catchment area. Potential pollutant load calculations consider the land uses and impervious areas within a watershed.

3.2.1 POLLUTION OF CONCERN

The Conscience Bay and Setauket Harbor watersheds are dominated by residential land uses with commercial properties predominantly located along Rte. 25A. Both waterbodies are subject to closures for shellfishing harvesting and fish consumption because of high bacteria levels. According to the ***NYSDEC Atlantic Ocean/Long Island Sound Waterbody Inventory and Priority Waterbody List – 2002*** (PWL) and the ***TMDL Report***, the major pollutant sources contributing to the closures in the waterbodies are storm sewers, urban runoff, domestic pets, waterfowl, boat pollution and the Port Jefferson Sewage Treatment Plant. Secondary sources suspected of contributing to the closures are failing on-site septic systems and migratory fish species.

The pollutants of concern for waters where usage includes fishing, shellfishing, boating, recreation and aesthetic values are described below. The ***TMDL** Report* identified pathogens, including total coliform and fecal coliform, as a pollutant of concern in the Conscience Bay and Setauket Harbor watersheds. The PWL lists priority organics (PCBs/migratory fish), pathogens, dissolved oxygen/oxygen demand, nutrients (nitrogen), and oil and grease (hydrocarbons) as additional pollutants of concern for the Conscience Bay and Setauket Harbor watersheds. Other pollutants of concern include total suspended solids and total dissolved solids, which in addition to their own impacts, are known to carry other pollutants such as hydrocarbons and toxic substances. Many of the pollutants of concern are typically related to the residential and roadway land uses predominant in this watershed, but to date no systematic monitoring of these constituents has been undertaken. The following is a discussion of potential pollutants in the Conscience Bay and Setauket Harbor watersheds:

Fecal Coliform and Pathogens – Pathogens include bacteria, viruses, and other microorganisms that can cause human illnesses. Common pathogens include bacteria such as *E. coli*. *E. coli* is an enteric (intestinal) bacterium, usually not harmful in and of itself. It is easily detected and its presence is used to indicate the possible presence of pathogens that are both more serious and more difficult to detect. Bacteria levels in undiluted urban runoff exceed public health standards for primary contact in-water recreational activities almost without exception. In addition, since bacteria multiply rapidly in warm weather, bacteria levels may be increased by twenty-fold in summer months. The suspected causes of this impairment are stormwater runoff carrying pet, wildlife and waterfowl wastes and improperly operating sanitary systems.

Total Suspended Solids (TSS) – TSS include silts and sediments that constitute the largest mass of pollutant loads to surface waters. Mineral and organic sediment is generally considered the largest surface water pollutant in both mass and volume. TSS is exported in the greatest quantities from construction sites. After development is complete, the greatest loads are exported from larger, intensively developed watersheds with high percentages of impervious surfaces. Many other types of contaminants (including hydrocarbons, nutrients, and pathogens) associate closely with sediment particles, especially fine-grained particles that are suspended in

the stormwater flow. Thus, the fate of sediment loads carried by stormwater in large measure dictates the fate of these sediment-associated contaminants. The suspended sediment itself can have adverse impacts on the environment, including increased turbidity and reduced light penetration, which in turn can decrease submerged aquatic vegetation survival. After reaching slower moving, open-water areas, suspended sediment particles settle to the bottom where they may smother the benthic community, change the composition of the substrate, fill impoundments, and decrease aesthetic values of the water body. The major contributors to this impairment are soil erosion and road runoff.

Large-scale deposition of soil can inhibit natural pollutant attenuation processes, silt-up stream channels and wetlands, decrease flood storage capacity, reduce the effectiveness of stormwater pollution treatment devices, and inhibit the natural functions of water bodies, including fish and wildlife feeding, breeding, and cover uses. In addition, mineral soil particulate matter, organic debris, and man-made pollutants can act in concert to increase the level of turbidity in streams, rivers and shallow, low-energy coastal systems. The resultant decrease in water clarity diminishes sunlight penetration and inhibits photosynthesis in submerged aquatic vegetation.

Large Scale Debris and Trash – Large-scale debris or trash (also called floatables) have additional negative effects on the watershed. Besides the obvious negative aesthetic effects, trash can impact aquatic life through either ingestion or entanglement. Marine mammals, turtles, birds, fish, and crustaceans have been affected by entanglement in or ingestion of debris. Entanglement can cause wounds, loss of limbs, strangulation, and loss of ability to swim. Ingestion can block intestinal tracts and sharp items can damage mouths, intestinal tracts, and stomachs. Buoyant floatables transported through the waterbody into the marine environment and items manufactured from synthetics that persist in the environment for long periods of time tend to be more harmful than settleable elements and materials that biodegrade quickly. The dumping of larger debris, such as furniture, appliances, automobiles, and shopping carts, can create physical barriers to the stream flow and increase shoreline erosion. Human littering and dumping are major contributing factors to large-scale debris pollution.

Nutrients and Dissolved Oxygen – Nutrients usually refer primarily to phosphorus and nitrogen, two elements that are necessary for plant growth. Nonpoint sources of phosphorus and nitrogen are the recognized causes of water quality degradation in many water bodies. In freshwater systems, phosphorus is usually the least available element relative to demand, while in marine systems, nitrogen is often the controlling factor. The fertilizing effects of nitrogen and phosphorus have created water quality problems in many coastal and inland areas. They cause cultural eutrophication. Eutrophication is typified by rampant plant growth leading to diminished water quality, which can cause problems including aesthetic impairments, and undesirable swimming conditions. Nighttime respiration by plant growth and bacterial decomposition of dead vegetation reduces the level of dissolved oxygen in the water. Oxygen deprivation can cause mobile animals to leave an area, which is one reason areas low in oxygen (hypoxic) often have low numbers of fish. In cases that are more serious and for species that cannot flee, hypoxia can stunt growth or kill. The major contributors to this impairment are runoff from cultivated areas, pet and waterfowl wastes, and improperly operating sanitary systems.

Phosphorus discharge regulations are set through the National Pollutant Discharge Elimination System (NPDES). According to the NYSDEC Stormwater Design Manual, the New York State Recommended Guidance Value for phosphorus is 20 ug/l.

Petroleum Compounds (Hydrocarbons) - Petroleum compounds (oils and grease) contain an array of hydrocarbon compounds, some of which can be toxic to aquatic life at low concentrations. The major source of hydrocarbons in urban runoff is through the leakage of crankcase oil and other lubricating agents from motor vehicles and from facilities that service motor vehicles (e.g., repair shops and gasoline stations). Hydrocarbon concentrations are typically highest in runoff from parking lots, roadways, and service stations. Illegal disposal of waste oil onto streets and into storm sewers can also contribute to the problem on a local level. Specific site uses that have been identified to generate high pollutant loads on impervious surfaces are defined as “hot spots.” In addition to the motor vehicle service stations, hot spots for hydrocarbons include municipal highway yards.

3.2.2 IMPERVIOUS COVER AND POLLUTION RUNOFF POTENTIAL

Stormwater runoff carries pollutants to receiving waters. Human activities, in particular the creation of impervious surfaces, have an overriding effect on contaminant inputs in stormwater discharges. Land development alters stormwater drainage characteristics within a watershed, which can have a profound effect on water quality of adjacent waterbodies. Development results in the replacement of permeable natural land surfaces (e.g., woodlands, meadows, etc.) with impervious surfaces such as roadways, buildings, walkways, and pavements. Even in areas cleared for development that are subsequently replaced with landscaping, the planted vegetation generally has a lower capacity for absorbing rainwater than the original vegetation; this is especially true with respect to turf areas. The overall consequence of these conditions is that development generally increases the amount of runoff generated on a given parcel of land. The augmented volume of runoff from developed properties can result in an increase of pathogens and other deleterious substances carried from the land surface to receiving waters.

The pollutant loads in runoff were estimated by utilizing the "Simple Method" as discussed below in Section 2.4.2.3. The Simple Method formula requires an estimate of the impervious surface contributing runoff to an outfall. As this Plan is concerned with road runoff, the catchment areas were limited to the road ROWs that contribute to each outfall. ROWs in the watershed are 50' for most residential road and commercial roads and the remainder of the commercial roads have a ROW of up to 66' width. In general, roadway pavement within the ROW is 32' in the 50' ROW, and 36' in the 66' ROW except for sections of North Country Road and Main Street where the pavement width reaches 60'. The percentage of impervious has been set at 70% for the 32' pavement width in the 50' ROW and the 36' pavement width in the 66' ROW. The impervious percentage is 100% for the 60' pavement width in the 66' ROW. The catchment area for an outfall is defined as the ROW width by the length of roadway within the catchment area.

Alternate methods of estimating impervious surface in a watershed include actual assessment of all impervious surfaces in the watershed utilizing available GIS data or use of a impervious cover

factor tables, such as the one included in the *NYS Stormwater Management Design Manual* (NYSSMDM). The impervious factor table percentages are estimated by calculating the area of each land use within each catchment area and assigning impervious cover factors as identified on NYSSMDM Table 4.2 Land Use and Impervious Cover (2003). As adequate GIS data is not available and calculation of all land uses is beyond the scope of this Plan, the road ROW drainage areas were used to calculate runoff loads.

Pollutants accumulate on imperious surfaces and each rainfall event that generates runoff washes up to 90% of the accumulated pollutants into the receiving waters. The watersheds various surfaces and land uses are the primary sources of most pollutants including sediments, waterfowl and pet wastes, hydrocarbons from vehicle oil and grease, vegetative matter, litter, and debris. In addition, unvegetated surfaces erode, oils are dumped to storm structures, excessive amounts of fertilizer and pesticides are applied to lawns and gardens, sanitary systems age and their function decreases, and salts and sands are applied to roads in winter.

The following factors are additional indicators of increased runoff potential:

- Water bodies located close to pollutant sources
- Shoreline areas lacking adjacent upland vegetated buffers
- Steep slopes
- High waterfowl populations
- High-density residential development with lot sizes less than 1 acre per unit
- Septic systems in excess of 1-2 systems per acre
- Flows that are extreme for the channel condition
- Soils with poor percolation properties
- Maintenance practices that are not routinely undertaken
- Erodable soils without well-established vegetation
- Runoff that crosses animal pastures or facilities
- Animal facilities located on worn or exposed soils
- Animal facilities with improper manure storage and disposal practices
- Storage facilities that are not self-contained

A large number of the factors included in this list are related to the conditions found in locations within the Conscience Bay and Setauket Harbor watersheds. The following paragraphs of this section of the Plan estimate the pollutant loads generated in each watershed. Section 3 of this Plan identifies methods to reduce pollutant loads through the implementation of stormwater mitigation projects, the incorporation of runoff management practices and strategies, and the continuation of educational programs for area residents and businesses.

3.2.3 POLLUTION LOAD ANALYSIS

Typically, water turbidity is at its highest during and immediately after the "first flush" of a storm event as a result of increased stormwater and pollutant load discharge. The "first flush" refers to the initial rainfall event that washes the majority of the surface pollutant deposits into the waterbodies. The "first flush" is also referred to as the water quality storm event (WQSE). In order to quantify pollutant loading from drainage areas, a watershed planning-level method to estimate these loads was utilized. The NYSSMDM identifies the water quality volume to be used to capture and treat 90% of the average annual stormwater runoff volume as a 1.2-inch rainfall event on Long Island. Pollutant loading calculations were developed using the "Simple Method" outlined in the publication *Controlling Urban Runoff: A Practical Manual for Planning and Designing Urban BMPs* and at the NYSDEC Stormwater Webpage "Tools – Stormwater Technical Standards" (www.dec.ny.gov/chemical/29085.html). The "Simple Method" calculations estimate the WQSE for each drainage area. Capturing and infiltrating, or detaining and filtering, the identified runoff quantities will significantly reduce the pollutants reaching the surface waters. Actual final design criteria and calculations used to determine mitigation measures and pollution removal rates will be dependent on a detailed analysis of the land use, impervious cover, soil types, hydrology and topography of the site. Annual pollutant load calculation results are shown on *Table 3-1: Annual Pollutant Load Estimates*.

WQSEs were sized using the NYSSMDM Sizing Criteria 90 % rule where as:

WQv = ((P) (Rv) (A))/12
WQv = Water quality volume (in acre feet)
Rv = 0.05+0.009(I)
I = Impervious Cover (Percent) (as described above)
P = 90% rainfall event number per chart = 1.2 inches on Long Island
A = Site area in acres

The Simple Method estimates pollutant loads as a product of annual runoff volume and pollutant concentration where as:

L = 0.226*R*C*A
L = Annual Load (lbs)
R = Annual Runoff (inches) (See below)
C = Pollutant Concentration (mg/l) (see below)
A = Area (Acres)
0.226 = Unit Conversion factor

The Simple Method estimates pollutant loads for bacteria with a different unit conversion factor to account for different units. Fecal coliform calculations were developed using the conversion factor outlined on the Stormwater Managers Resource Center website (www.stormwatercenter.net) on the monitor/assess page under Simple Method.

L = (1.03*10^{-3})*R*C*A	
L = Annual Load (Billion Colonies)	
R = Annual Runoff (inches) (See Below)	
C = Pollutant Concentration (mg/l)*	
A = Area (Acres)	
(1.03*10^{-3}) = Unit Conversion factor	
*The pollutant concentrations for 'C' for TSS, TP, TN, and oil and grease are taken from **NYSSMDM (2003) Table 2.1 - National Median Concentrations for Chemical Constituents in Stormwater.** The pollutant concentration for "C" for Fecal Coliform is taken from **NPDES Database Summary (University of Alabama/CWP) (2003)**.	
Total Suspended Solids (TSS)	54.5 mg/l
Total Phosphorus (TP)	0.26 mg/l
Total Nitrogen (TN)	2.00 mg/l
Oil and grease	03.0 mg/l
Fecal Coliform (FC)	5,000 MPN/100 ml

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Water Quality Storm Event (WQSE) Runoff
Annual Pollutant Load Estimate
Table 3-1
Setauket Harbor

OUTFALL*	Catchment Area (Length x ROW)	Catchment Area (A)	Impervious Area (I)	Water Quality Storm Event Volume (WQv)	Water Quality Storm Event Volume (WQv)	Annual Rainfall	Annual Runoff (R)	Total Nitrogen (TN) c = 2.0 mg/l	Total Suspended Solids (TSS) c = 54.5 mg/l	Total Phosphorus (TP) c= 0.26 mg/l	Oil and Grease c = 3.0 mg/l	Fecal Coliform c= 5000MPN/100 ml	Priority Rankings by TSS/Comments
	SF	Acres	%	WQv-acre-feet	WQv-cubic feet	Inches	Inches	ESTIMATED AVERAGE ANNUAL LOAD					
								lbs	lbs	lbs	lbs	billion colonies	
SETAUKET HARBOR DIRECT OUTFALLS													
1	105,000	2.4	70	0.164	7,140	42	25.70	29	764	4	43	320	11
2	0 (Res Roof)	0.1	100	0.005	207	42	35.91	1	23	1	2	10	
3	52,500	1.2	70	0.082	3,570	42	25.70	15	382	2	22	160	
4	35,000	0.8	70	0.055	2,380	42	25.70	10	255	2	15	107	
5	52,500	1.2	70	0.082	3,570	42	25.70	15	382	2	22	160	
6	35,000	0.8	70	0.055	2,380	42	25.70	10	255	2	15	107	
7	35,000	0.8	70	0.055	2,380	42	25.70	10	255	2	15	107	
8	35,000	0.8	70	0.055	2,380	42	25.70	10	255	2	15	107	
9	52,500	1.2	70	0.082	3,570	43	26.32	15	391	2	22	164	
10	175,000	4.0	70	0.273	11,900	42	25.70	47	1,272	7	71	532	7
11	0 (Res Roof)	0.1	100	0.005	207	42	35.91	1	23	1	2	10	
12	35,000	0.8	70	0.055	2,380	42	25.70	10	255	2	15	107	
13	0 (To RB)	0.0	70	0.000	0	42	25.70	0	0	0	0	0	
14	52,500	1.2	70	0.082	3,570	42	25.70	15	382	2	22	160	
25	140,000	3.2	70	0.219	9,520	42	25.70	38	1,018	5	57	426	8
26	70,000	1.6	70	0.109	4,760	42	25.70	19	509	3	29	213	
SETAUKET HARBOR TRIBUTARY OUTFALLS													
27 28 29	739,200	17.0	100	1.612	70,224	42	35.91	276	7,506	36	414	3,139	3
30	0 (Com lot)	0.3	100	0.024	1,035	42	35.91	5	111	1	7	47	
31	0 (Res Roof)	0.1	100	0.005	207	42	35.91	1	23	1	2	10	

Town of Brookhaven
Conscience Bay and Setauket Harbor
Stormwater Management Plan

Water Quality Storm Event (WQSE) Runoff
Annual Pollutant Load Estimate
Table 3-1
Setauket Harbor

OUTFALL*	Catchment Area (Length x ROW)	Catchment Area (A)	Impervious Area (I)	Water Quality Storm Event Volume (WQv)	Water Quality Storm Event Volume (WQv)	Annual Rainfall	Annual Runoff (R)	Total Nitrogen (TN) c = 2.0 mg/l	Total Suspended Solids (TSS) c = 54.5 mg/l	Total Phosphorus (TP) c= 0.26 mg/l	Oil and Grease c = 3.0 mg/l	Fecal Coliform c= 5000MPN/100 ml	Priority Rankings by TSS/Comments
	SF	Acres	%	WQv-acre-feet	WQv-cubic feet	inches	inches	ESTIMATED AVERAGE ANNUAL LOAD lbs	lbs	lbs	lbs	billion colonies	
32 33 34 35 37	1,242,500	28.5	70	1.940	84,490	42	25.70	332	9,031	44	498	3,776	2
36	0 (Res Roof)	0.1	100	0.005	207	42	35.91	1	23	1	2	10	
67	0 (ID)	0.0	100	0.000	0	42	35.91	0	0	0	0	0	illicit discharge
68	184,800	4.2	70	0.288	12,566	42	25.70	50	1,344	7	74	562	
69 70	280,000	6.4	70	0.437	19,040	42	25.70	75	2,036	10	113	851	do not drain to harbor
PORT JEFFERSON HARBOR DIRECT OUTFALLS													
15	70,000	1.6	70	0.109	4,760	42	25.70	19	509	3	29	213	
16	70,000	1.6	70	0.109	4,760	42	25.70	19	509	3	29	213	
17	35,000	0.8	70	0.055	2,380	42	25.70	10	255	2	15	107	
18	105,000	2.4	70.0	0.163	7,109	42	25.70	28	760	4	42	318	
ROAD DRAINAGE AREA - TOTAL ANNUAL POLLUTANT LOAD ESTIMATES								**1,033**	**27,768**	**147**	**1,550**	**11,618**	

Sources : Pollutant Coefficient "C" Valves - NYSDEC Stormwater Management Design Manual, Table 2.1, 2003; except F Coliform - NPDES Database Summary (University of Alabama/CWP, 2003)

* - Outfall ID number are not sequential as they are divided by watershed, not sequence of identification, on this table

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Water Quality Storm Event (WQSE) Runoff
Annual Pollutant Load Estimate
TABLE 3-1
Consclence Bay

OUTFALL*	Catchment Area (Length x ROW)	Catchment Area (A)	Impervious Area (I)	Water Quality Storm Event Volume (WQv)	Water Quality Storm Event Volume (WQv)	Annual Rainfall	Annual Runoff (R)	Total Nitrogen (TN) C = 2.0 mg/l	Total Suspended Solids (TSS) C = 54.5 mg/l	Total Phosphorus (TP) C= 0.26 mg/l	Oil and Grease C = 3.0 mg/l	Fecal Coliform C= 5000MPN/100 ml	Priority Rankings by TSS/Comments
	SF	Acres	%	WQv-acre-feet	WQv-cubic feet	Inches	Inches	ESTIMATED AVERAGE ANNUAL LOAD					
								lbs	lbs	lbs	lbs	billion colonies	
CONSCIENCE BAY DIRECT OUTFALLS													
19	105,000	2.4	70	0.163	7,109	42	25.70	28	760	4	42	318	
20	105,000	2.4	70	0.163	7,109	42	25.70	28	760	4	42	318	
21	70,000	1.6	70	0.109	4,739	42	25.70	19	507	3	28	212	
22	0 (Res Roof)	0.1	70	0.003	148	42	25.70	1	16	1	1	7	
23	0 (Res Roof)	0.1	70	0.003	148	42	25.70	1	16	1	1	7	
24	52,500	1.2	70	0.082	3,554	42	25.70	14	380	2	21	159	
38	69,300	1.6	100	0.152	6,621	42	35.91	26	708	4	39	296	
39													
40	69,300	1.6	100	0.152	6,621	42	35.91	26	708	4	39	296	
41	1,155,000	26.5	100	2.518	109,662	42	35.91	431	11,722	56	646	4,901	1
42	70,000	1.6	100	0.152	6,621	42	1.89	2	38	1	3	16	
CONSCIENCE BAY TRIBUTARY OUTFALLS													
44	0 (Res Roof)	0.1	100	0.005	207	42	35.91	1	23	1	2	10	
45	392,700	9.0	70	0.612	26,659	42	25.70	105	2,850	14	157	1,192	5
46	0 (comm pl/roof	0.1	70	0.003	148	42	25.70	1	16	1	1	7	
47	438,900	10.1	70	0.687	29,917	42	25.70	118	3,198	16	177	1,337	4
48													
49													
50													
51													
52													
53													
54	35,000	0.8	70	0.054	2,370	42	25.70	10	254	2	14	106	
55	see 57												

Town of Brookhaven
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Water Quality Storm Event (WQSE) Runoff
Annual Pollutant Load Estimate
TABLE 3-1
Conscience Bay

OUTFALL*	Catchment Area (Length x ROW)	Catchment Area (A)	Impervious Area (I)	Water Quality Storm Event Volume (WQv)	Water Quality Storm Event Volume (WQv)	Annual Rainfall	Annual Runoff (R)	Total Nitrogen (TN) C = 2.0 mg/l	Total Suspended Solids (TSS) C = 54.5 mg/l	Total Phosphorus (TP) C= 0.26 mg/l	Oil and Grease C = 3.0 mg/l	Fecal Coliform C= 5000MPN/100 ml	Priority Rankings by TSS/Comments
	SF	Acres	%	WQv-acre-feet	WQv-cubic feet	Inches	Inches	ESTIMATED AVERAGE ANNUAL LOAD					
								lbs	lbs	lbs	lbs	billion colonies	
56	see 48												
57	30,000	0.8	100	0.076	3,311	42	35.91	13	354	2	20	148	
58													
59	see 48												
60	70,000	1.6	100	0.152	6,621	42	35.91	26	708	4	39	296	
61	70,000	1.6	70	0.109	4,739	42	25.70	19	507	3	28	212	
62	277,200	6.4	70	0.435	18,957	42	25.70	75	2,027	10	112	848	
63													
64	92,400	2.1	70	0.143	6,220	42	25.70	25	665	4	37	278	
65	low area	22.0	2	0.150	6,517	42	2.57	26	697	4	39	292	
66	ponded area	13.0	11	0.194	8,438	42	5.63	34	902	5	50	378	
71	low area												
SURFACE DRAINAGE AREA ANNUAL POLLUTANT LOAD ESTIMATES								1,029	27,816	146	1,538	11,634	

Sources : Pollutant Coefficient "C" Valves - NYSDEC Stormwater Management Design Manual, Table 2.1, 2003; except F Coliform - NPDES Database Summary (University of Alabama/CWP, 2003)

* - Outfall ID number are not sequential as they are divided by watershed, not sequence of identification, on this table

Annual runoff was calculated as:

R = P*Pj*Rv
R = Annual Runoff (inches)
P = Annual Rainfall (Inches) (42" for Long Island)
Pj = Fraction of annual rainfall events that produce runoff (typically 0.9)
Rv = Runoff coefficient
Rv = 0.05+0.9(Ia)
Ia = impervious fraction – See Table 2-5

Based on the Simple Method calculations and the locations where surface runoff has the potential to reach the water bodies and tributaries, the annual pollutant loads for the Conscience Bay are estimated to be:

- 1297 lbs of total nitrogen
- 35,126 lbs total suspended solids
- 181 lbs total phosphorus
- 1940 lbs of oil and grease
- 1469 billion colonies fecal coliform

The annual pollutant loads for Setauket Harbor are estimated to be:

- 908 lbs of total nitrogen
- 24,388 lbs total suspended solids
- 130 lbs total phosphorus
- 1363 lbs of oil and grease
- 10,205 billion colonies fecal coliform

The Total Annual Pollutant Load Estimates for the watersheds are shown on Table 3-1 along with annual pollutant loads estimates for each outfall catchment area.

Mitigation measures to reduce pollutant loads fall into two categories: structural measures that remove pollutants carried by storm runoff and source control actions that reduce the pollutant

loads generated. Structural measures are generally implemented by municipal jurisdictions that construct and maintain the measures, while source control actions can be implemented by individuals within the watershed to reduce the amount of pollutants generated.

3.3 STRUCTURAL BEST MANAGEMENT PRACTICES (BMPs) FOR POLLUTANT REMOVAL

The structural BMPs described below have been selected based on the site characteristics of a developed, suburban area with an extensive road system and landscaped properties, where retrofit and reconstruction actions will account for the majority of measures proposed. *Table 3-3: Outfall Mitigation Potential* describes potential implementation actions and mitigation projects for each outfall.

BMPs selection is dependent upon the identified pollutants of concern. Road runoff with heavy sediment and hydrocarbon loads requires different mitigation measures than residential areas with fewer roadways but more landscaped areas and domestic pets that produce increased soluble pollutant loads of phosphorus, nitrogen and fecal bacteria. The identified recommended practices have been selected in accordance with the NYSSMDM *(2003)* and NYSDEC's *Interim Strategies for Redevelopment Projects (April 2004)* and *NYS Verified Proprietary Stormwater Management Practices (May 2007).*

Stormwater Infiltration Practices

Infiltration practices are designed to capture, retain, and infiltrate runoff through the soil layer where pollutant removal processes occur. Infiltration practices have moderate to high removal capabilities for particulate and soluble urban pollutants. Design parameters can enhance the removal rates, but particles can rapidly clog some infiltration methods. A means to remove the accumulated sediments should be addressed prior to installation. Infiltration in leaching wells, leaching basins, and recharge basins can be utilized in urban and developed areas to provide the capacity needed for treating the WQSE. Porous pavements provide an alternative infiltration

practice generally restricted to smaller areas of low-volume parking areas or rooftops, particularly where depth to groundwater precludes other infiltration practices.

Stormwater Filtering Systems

Filtering practices are designed to detain, filter and release stormwater through porous materials, such as sand, soil, or organic materials. During the filtering process, sediment particles and attached pollutants, such as hydrocarbons, are removed. Removal of soluble pollutants, such as nitrogen and phosphorus, is limited by the filtration period and filtering material. Filtering systems include bioretention basins, sand or organic filters, dry swales and wet swales that can detain, filter and release the WQSE. Grass filter strips can be used to filter small areas.

Constructed Ponds and Wetlands

Constructed stormwater ponds and wetlands provide moderate to high soluble and particulate pollutant removal capacity through both settling and biological uptake. Wetlands and ponds require significant dedication of land that may not be available in developed communities.

Water Quality Inlets And Other Proprietary Practices

With the increased awareness of the effect of storm runoff on the surrounding waterbodies, the development of numerous technologies to deal with pollutant removal has ensued. Many of the new practices are designed for retrofit of existing stormwater structures and are best suited for urban areas and road ROWs where sediment and hydrocarbons are of greatest concern. Locations where soluble pollutants, such as fertilizers and pesticides, are prevalent may not be suited to many of these devices. The NYSDEC has begun to review proprietary WQIs practices, including hydrodynamic systems, wet vaults, and media filters, and verify that they meet the performance criteria for redevelopment applications. Some of these technologies may also provide an interim measure to reduce pollutant levels in stormwater runoff until long-term solutions can be implemented. The general categories of new technology are:

- *Catch Basin Insert* Catch Basin Inserts (CBI) contain a pollutant removal medium that is suspended in existing basins. Stormwater is treated as it passes through the insert. CBIs are

suitable for small drainage areas and ultra-urban retrofit sites. The type of pollutant removed varies by specific insert and include both particulate and soluble pollutants. These devices have recently come on the market and require monitoring to determine the actual pollutant removal capabilities.

- *Hydrodynamic Separators* These devices, a form of water quality inlet (WQI), remove sediments and attached hydrocarbons using a swirl concentrator or other means of separation. These systems can allow a high flow storm event to bypass the swirl. These devices are suitable for ultra-urban retrofit sites and have the longest history of use of the emerging technologies.
- *Media Filters* Media Filters (MF) consist of filter cartridges that are enclosed in a concrete vault. The filter cartridges can be a variety of materials including organic medium, sand, or charcoal that can trap particulates and soluble pollutants dependent on the filtration period.
- *Wet Vaults* Wet vaults, a form of WQI, separate and settle sediments and oils through non-hydrodynamic means such as baffles, screens or chambers.

3.4 DRAINAGE AREA AND OUTFALL DESCRIPTIONS

The drainage area of each watershed is defined as the portion of the watershed that continues to contribute WQSE runoff to surface waters either directly or through a piped system. The drainage systems were discussed in Section 2.2.3 Stormwater Drainage Boundaries. Existing recharge basins located within the drainage area and their individual catchment areas were reviewed. Those recharge basins that appear to contain the WQSE are defined as self-contained on Map 4 Drainage Areas and Outfalls. Recharge basins that appear to have an overflow, or piping, to surface waters should be reviewed to assess whether the current mechanism allows the WQSE volume to be contained in the basin while allowing the larger storm runoff volumes to bypass the basin. A large number of the catch basins were found to be filled with sediments. In addition to preventing structure inspection and data collection, the filled structures are reducing system capacity and requiring the system to overflow more often.

As described in Section 2.2.3, for this analysis the outfalls are divided into those that discharge directly to Conscience Bay or Setauket Harbor and to Port Jefferson Harbor from Strong's Neck and those that discharge into the tributaries of either Conscience Bay or Setauket Harbor. The catchment area, the area that drains to a specific outfall, has been defined for each outfall by reviewing the area topography, in conjunction with existing drainage structures and street ROWs. Map 4 includes the identified outfalls, watersheds, and drainage areas for each area. Map 5 includes detailed drainage area information including all identified drainage infrastructure.

Recharge basins are identified on Map 3 and described on Table 3-2. Table 3-2 includes all Town parcels including recharge basins, parks and preserved lands, municipal use sites, and other non-designated lands. This table identifies each parcel by the identification number used on Map 3 and includes data on the parcels tax map number, owner, size, adjacent street, parcel land use, adjacent land use, and proximity to drainage ways. The final column contains an assessment of the mitigation potential based on review of the data in the table.

All outfalls are included in *Table 3-3: Outfall Mitigation Potential,* which identifies each outfall by the identification number used on the Maps. The table includes data on the discharge waterbody, structure description and condition, street location, and length of drainage area. The final column contains an assessment of potential mitigation measures based on review of the table data. Section 3.5 of this Plan offers a detailed discussion of potential mitigation measures for outfalls identified with a priority rating of high on Table 3-3 and a ranking of one through eleven on Table 3-1.

3.4.1 CONSCIENCE BAY

In the Conscience Bay watershed, the lands that are south or southeast of North Country Road (Rte. 25A) were determined to be self-contained. Rte. 25A has drainage infrastructure in place that directs road runoff into two NYS recharge basins located north of Rte. 25A. The residential

developments located along the eastern and western sides of the watershed that have recharge basins that collect the road runoff are also identified as self-contained.

Several recharge basins in the watershed should be assessed to determine if 1) they contain the WQSE volume associated with their drainage area; 2) an overflow exists; and 3) the overflow functions to prevent pollutants captured in the basin from being washed out of the basin in large or subsequent storm events. In addition, if an existing basin has excess capacity it can be modified to receive drainage from additional surface areas. In addition to the recharge basins discussed below, three Town recharge basins (37, 51, 52) located within the Conscience Bay watershed and shown on Map 3, should be reviewed for capacity and overflow function.

Conscience Bay Outfalls

Conscience Bay is surrounded by low-density residential properties on the mainland and on Strongs Neck. The homes along the Bay generally have large expanses of lawn. The shoreline along Conscience Bay is identified as intertidal marsh and high marsh, while the center of the Bay is designated as coastal shoals, bars, and mudflats on NYSDEC tidal wetlands maps. The outfalls are typically either piped outfalls or eroded channels that drain limited sections of residential streets. Eleven outfalls were identified (19-24 and 38-42). Of the outfalls, five are pipes or headwalls (19, 21-23, 42), three are constructed swales (20, 24, 39), and three are channels formed by concentrated runoff erosion (38, 40, 41). The western side of Conscience Bay is adjacent to the Village of Old Field, which has two Town of Brookhaven properties where road runoff surface drains to the bay. Those outfalls (38, 39, 42) have been included in the outfall assessed for in this Plan.

The largest drainage area to Conscience Bay is where Quaker Path, Mud Road, Meadow Road, Old Field Road and adjacent cross streets all drain north toward the earth swale (outfall 41) on the east side of Old Field Road in the Village of Old Field. The area is comprised of medium- to high-density residential. The streets are typically uncurbed and sidewalks are limited. Although the housing density is high, there is significant tree canopy remaining. The locations on Quaker Path and Mud Road where the roads cross into the Village of Old Field have been identified as

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ID	Tax Lot	OWNER	ACREAGE	Adjacent Street	Current Land Use	Surrounding Land Use	Proximity to Drainage Way	Mitigation Potential
					RECHARGE BASINS			
1	42-5-2.22	Town	1.7	Cemetery Road	recharge basin	Residential	Near	review for overflow and WQSE containment
5	63-5-11	Town	1.0	Schooners Cove	recharge basin	Residential	Near	review for overflow and WQSE containment
6	88-3-15.1	Town	2.0	Shipyard Lane	recharge basin/waterfront	Residential	Adj	review for overflow and WQSE containment
11	90-3-8	Town	0.6	Harmony Ln	RB - CA confirmed	Res/LIPA	None	none required
12	90-5-2	Town	0.7	N. Country Rd/25A	recharge basin	Residential	None	review for additional capacity potential - Rte. 25A
13	109-4-6	Town	0.3	Triangle Ln	recharge basin	Residential	None	none required
15	109-6-13	Town	0.5	Brewster Hill Rd	recharge basin	Residential	Adj	review for overflow and WQSE containment
16	110-1-9.17	Town	1.4	Tavern Way	recharge basin	Residential	Near	none required
17	111-1-14	Town	1.4	Old Town Rd/Highland Ave	recharge basin	Res/Comm	None	review for overflow and WQSE containment
18	111-3-1	Town	3.9	Gnarled Hollow Rd	recharge basin	Res/Comm/stream	Adj	review for capacity and WQSE containment
20	113-4-5	Town	1.1	Canterberry Ct	recharge basin	Residential	None	none required
21	113-5-8	Town	0.4	Canterberry Blvd	recharge basin	Residential	None	none required
22	131-2-17	Town	1.1	Quincy Ct	recharge basin	Residential	None	review for additional capacity potential - Mud Rd
23	131-6-12	Town	1.1	Ridgeway Ave & Townsend Ln	recharge basin	Residential	None	review for additional capacity potential - Ridgeway Ave
24	132-1-6	Town	0.7	Covey Ln	recharge basin	Residential	None	review for additional capacity potential - Ridgeway Ave
25	132-3-10	Town	1.1	Cynthia Ct	recharge basin	Comm/Res	None	review for additional capacity potential - Gnarled Hollow
29	133-3-45.8	Town	1.0	Kenwood St	recharge basin	Residential	Near	none required
30	134-2-20	Town	7.3	LIRR R-O-W	recharge basin	Res/LIRR/LIPA/Ind	None	review for additional capacity potential - Hulse Rd
31	134-2-21	Town	0.9	LIRR R-O-W	recharge basin	Res/LIRR/LIPA/Ind	None	same as RB30
32	134-2-24	Town	1.0	LIRR R-O-W	recharge basin	Ind	None	none required
33	134-5-4	Town	1.7	Caleb Brewster Rd	recharge basin	Residential	None	review for additional capacity potential - Old Post Rd
35	154-4-34	Town	0.5	Setalcott Pl N	recharge basin	Res/Comm	Near	none required
36	154-5-12	Town	0.6	Three Village Ln	recharge basin	Residential	None	none required
37	155-2-4	Town	2.7	Bennets Rd	RB - CA confirmed	LIRR/Comm	Adj	Clean RB; review for additional capacity potential - Rte. 25 A
39	155-5-17	Town	1.4	Doolings Path	recharge basin	Residential	Near	review for additional capacity potential- Bennets Rd
40	155-8-11	Town	0.5	Detmer Rd	recharge basin	Res/LIRR	None	Clean RB
41	156-1-1.14	Town	1.2	Allyson Pl	recharge basin	Res/LIRR/ Und	None	review for additional capacity potential - Gnarled Hollow
42	156-2-13.27	Town	1.2	Buckingham Meadow Rd	recharge basin	Res/school	None	none required
43	156-2-13.71	Town	1.4	Abbey Ln	recharge basin	Res/LIRR	None	review for additional capacity potential - Gnarled Hollow
44	156-4-10	Town	1.2	Abbey Ln	recharge basin	Res/LIRR	Near	review for additional capacity potential - Gnarled Hollow
45	157-1-1	Town	3.1	Old Towne Rd	recharge basin	Res/Ind?	Adj	clean RB, review contribution area; review for additional capacity potential - Old Town Rd
47	174-8-2	Town	0.4	Quaker Path	recharge basin	Res/school	None	none required
48	175-2-7	Town	2.0	Thompson Hay Path	recharge basin	Residential	Near	review for additional capacity potential - Rte. 25A
50	175-3-13.8	Town	1.2	Nob Hill Ct	recharge basin	Residential	Near	review for additional capacity potential - Rte. 25A

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ID	Tax Lot	OWNER	ACREAGE	Adjacent Street	Current Land Use	Surrounding Land Use	Proximity to Drainage Way	Mitigation Potential
51	176-2-14.18	Town	1.5	Bennets Rd/St George Glen Dr	recharge basin	Res/Rec	Adj	review for additional capacity potential - Bennets & Lower Sheep Pasture Rds
52	176-3-2	Town	2.7	Bennets Rd/L. Sheep Pasture	recharge basin	Res/Rec	Adj	clean RB, review for additional capacity potential - Bennets & Lower Sheep Pasture Rds
53	176-3-7	Town	1.4	Franklin Circle	recharge basin	Residential	Near	clean RB
54	177-1-8	Town	0.7	Saddle Rock Rd/Musket Rd	recharge basin	Res/school	None	clean RB
55	177-1-14	Town	0.8	Musket Rd	recharge basin	Res/school	None	clean RB
56	177-2-1.13	Town	0.9	Buckingham Meadow Rd	recharge basin	Res/school	None	clean RB
57	177-5-25	Town	2.1	Vicki Ct	recharge basin	Residential	None	none required
58	177-6-16	Town	1.8	Lemark Ct	recharge basin	Residential	None	none required
59	178-2-9	Town	1.0	Driftwood Ln	recharge basin	Residential	Adj	none required
60	178-7-26	Town	2.2	Gallo Ct	recharge basin	Residential	Adj	none required
61	179-2-38	Town	0.8	Black Locust Avenue	recharge basin	Res/Open Space	None	none required
62	179-3-14	Town	1.5	Cottontail Ln	recharge basin	Residential	None	none required
63	179-4-46	Town	1.0	Possum Ln	recharge basin	Res/Open Space	None	none required
65	179-6-25	Town	1.0	Cottontail Ln	recharge basin	Residential	None	none required
66	200-3-14	Town	1.1	Pond Path/L. Sheep Pasture Rd	recharge basin	Res/Rec	Adj	review for additional capacity potential - Lower Sheep Pasture Rd
69	201-6-26	Town	1.2	Cindereila Ln	recharge basin	Residential	None	review for additional capacity potential - Upper Sheep Pasture Rd
70	202-1-3	Town	0.9	Lower Sheep Pasture Rd	recharge basin	Residential	Adj	review for additional capacity potential - Upper Sheep Pasture Rd
71	222-4-9	Town	2.7	Hamilton Rd	recharge basin	Res/school	None	none required
73	223-3-15	Town	1.8	Storyland Ln	recharge basin - wet	Residential	None	clean RB
74	223-4-15	Town	1.0	Merlin Ln	recharge basin - dry	Residential	None	none required
75	223-6-13	Town	0.9	Friar Tuck Ct	recharge basin - wooded	Residential	None	none required
76	223-6-14	Town	1.0	Friar Tuck Ct	recharge basin - wooded	Residential	None	none required
79	250-1-5	Town	1.2	Cornwallis Rd	recharge basin - wet	Residential	None	clean RB
80	250-3-2	Town	0.4	Tudor Dr	recharge basin - wet	Residential	None	none required
81	250-4-2.12	Town	1.7	Pond Path/Mark Twain Ln	recharge basin	Residential	None	review for additional capacity potential - Pond Path
82	250-4-9.29	Town	1.3	Ledgewood Cir	recharge basin - wet	Residential	None	clean RB
					PARKLAND AND PRESERVED LANDS			
8	89-3-9.1	Town	2.1	N. Country Rd/25A	waterfront/parking	Commercial	Adj	review parking area runoff storage
34	154-5-30	Town	8.9	N. Country Rd/Thompson Hay	cluster development	Res/Comm	Adj	potential for storage of Main Street runoff
64	179-5-23	Town	6.0	Woodchuck Ln/Bunny Ln	cluster development	Residential	None	no mitigation potential
67	201-2-10	Town	1.1	Lower Sheep Pasture Rd	park - undeveloped	Residential	Adj	potential for storage of Lower Sheep Pasture Road runoff
68	201-2-11	Town	3.0	Buccaneer Ln	park - undeveloped	Residential	Near	potential for storage of Lower Sheep Pasture Road runoff
72	222-5-8	Town	3.7	University Dr	park - undeveloped	Res/school	None	no mitigation needed
77	224-1-1	Town	50.8	North Belle Mead Ave	open space	Opsp/Res/Ind/LIPA	None	no mitigation potential

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78	224-2-1	Town	0.4	North Belle Mead Ave	open space	Opsp/Res/Ind/LIPA	None	no mitigation potential
83	251-1-1.3	Town	137.3	North Belle Mead Ave	open space?	Opsp/Res/Ind/LIPA	None	no mitigation potential
84	251-1-3	Town	61.7	North Belle Mead Ave	open space	Opsp/Res/Ind/LIPA	None	no mitigation potential
85		Town	1.0	Old Field Road	waterfront in V of Old Field	Residential	Adj	filtering swale
86		Town	0.8	Old Field Road	waterfront in V of Old Field	Residential	Adj	filtering swale
					OTHER			
2	61-1-11	Town	0.0	Mud Road	st frontage @ intersection	Residential	Adj	no mitigation potential
3	63-3-1	Town	0.2	Shore Road	waterfront	Residential	Adj	no mitigation potential
4	63-4-12	Town	0.3	Shore Road	waterfront	Residential	Adj	no mitigation potential
7	88-5-4.3	Town	0.0	Jeffrey Lane	street frontage @cemetery		None	no mitigation potential
9	89-5-12	Town	0.8	N. Country Rd/25A & Shore Rd			Adj	potential storage of Main Street & neighboring streets runoff
10	89-5-30	Town	0.4	N. Country Rd/25A & Shore Rd			Adj	potential storage of Main Street & neighboring streets runoff
14	109-5-19.3	Town	1.1	Main Street & Stonybrook Road	stream?	Residential	Adj	wetland/stream corridor - no mitigation potential
19	113-1-9	Town	0.4	Foxdale Lane		Residential	None	no mitigation potential
26	132-4-2.3	Town	1.0	The Hills Dr & Sherry Dr		Comm/Res	None	potential for storage volume
27	133-2-22	Town	0.2	Francine Ln		Res/school	None	no mitigation potential
28	133-2-25	Town	0.3	Francine Ln		Res/school	None	no mitigation potential
38	155-4-1	Town	0.3	Bennets Rd		LIRR/Res/Rec	Adj	no mitigation potential
46	157-4-5	Town	4.8	Old Towne Rd	Highway Yard	Ind/Mining operation	Adj	Review for BMP and to contain site runoff
49	175-2-15.9	Town	0.2	Thompson Hay Path		Residential	Near	no mitigation potential

Legend
Res - residential
Comm - commercial
Ind - industrial
LIRR- railroad property
LIPA - utility co property
Rec - recreational
Und - undeveloped
Opsp - open space
Adj - adjacent to topographic drainage way
Near - open water in close proximity
None - not in vicinity of any waterbody or topographic path
priority location

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Outfall Mitigation Potential
Table 3-3

Outfall	Outfall To	Use	Size	Material	Shape	Condition	Streets/Roads	Road Drainage - LF	ROW/Pav't Width±	Concerns	POTENTIAL MITIGATION ACTION	PRIORITY
1	SH	Stormwater		Asphalt	Open Channel	Other	View	2,100	50/32	No	RB overflow - check for WQSE containment	HIGH
2	SH	Residential	4"	PVC	Circular Pipe	Good	none	0	0	No	residential - ok if roof drain	LOW
3	SH	Stormwater	15"	Metal	Circular Pipe	Good	Dyke	1,050	50/32	No	in-basin filter, outfalls to grassed area	LOW
4	SH	Stormwater	18"	Concrete	Circular Pipe	Broken sect.	Dike	700	50/32	Wall erosion	in-basin filter, outfalls to grassed area	LOW
5	SH	Stormwater	18"	Concrete	Circular Pipe	Broken conc.	Caroline, Dike	1,050	50/32	No	in-basin filter	
6	SH	Stormwater		cannot determine		Blocked	Heritage, Dyke	700	50/32	Sedimentation	needs investigation, outfalls to grassed area	
7	SH	Stormwater		Earth	Channel	Exposed soil	Bob's, Dyke	700	50/32	Soil erosion	stone/vegetated filter swale	
8	SH	Stormwater		Earth	Channel	Exposed soil	North, Dyke	700	50/32	Soil erosion	stone/vegetated filter swale	
9	SH	Stormwater		Earth	Channel	Exposed soil	Dyke	1,050	50/32	Soil erosion	stone/vegetated filter swale	
10	SH	Stormwater	36"	Metal	Circular Pipe	Headwall cracks	Maple, Gun Path, Dyke	3,500	50/32	Headwall damage	upgradient LBs or WQI, possible bioretention area	HIGH
11	SH	Residential	4"	Other	Elliptical	Good	none	0		No	residential, ok if roof drain.	LOW
12	SH	Stormwater	18"	Metal	Circular Pipe	Good	Bridge	700	50/32	Sedimentation	discharges through vegetation, no erosion - ok as is	LOW
13	recharge basin	Stormwater	30"	Concrete	Circular Pipe	Good	Dyke, Cemetery, Daniel	0	50/32	No	drains to RB - OK as is, check for WQSE containment	LOW
14	SH	Stormwater	18"	Metal	Circular Pipe	Blocked	John's	1,050	50/32	Surface soil erosion	reconstruct pipe/Upgradient LBs or WQI	
15	PJH	Stormwater	24"	Metal	Elliptical	Erosion	Linda	1,400	50/32	Wall erosion	upgradient LBs or WQI, soil stabilization	
16	PJH	Stormwater		Asphalt	Pavement	Good	Preston	1,400	50/32	No	stone/vegetated filter swale along side of asphalt pavement	
17	PJH	Stormwater		Earth	Open Channel	Other	Bay	700	50/32	Bank erosion	eroded grass, construct filtering swale	
18	PJH	Stormwater		Earth	Open Channel	Good	Temple, Indian Field	2,100	50/32	No	road end runoff - revegetate	
19	CB	Stormwater	12"	Metal	Circular Pipe	Other	Bayberry, Bay	2,100	50/32	No	pipe in grass - upgradient LBs	LOW
20	CB	Stormwater		Asphalt	Open Channel	Good	Conscience	2,100	50/32	No	upgradient LBs or vegetate/stone swale	
21	CB	Stormwater	24"	Concrete	Circular Pipe	Erosion	Gaul	1,400	50/32	Wall erosion	upgradient LBs or WQI	
22	CB	Residential	4"	PEP	Circular Pipe	Good	none	0	0	No	none required is res roof	LOW
23	CB	Residential	<4"	PVC	Circular Pipe	Good	none	0	0	No	none required is res roof	LOW
24	CB	Stormwater		Stone	Open Channel	Good	Bob's	1,050	50/32	No	stone swale - add under drain and vegetate sideslopes	
25	SH	Stormwater	12"	Metal	Circular Pipe	Blocked	Shore, Bayview	2,800	50/32	Wall erosion	upgradient LBs or WQI	HIGH
26	SH	Stormwater	24"	Metal	Circular Pipe	Corrosion	Van Brunt, Shore	1,400	50/32	Wall erosion	upgradient WQI	
27	SH Trib	Stormwater		Metal	Road Grate		NYS Rte 25A			Trash	NYSDOT - upgradient LBs or WQI, RB if land available	HIGH
28	SH Trib	Stormwater	24"	Concrete	Circular Pipe		NYS Rte 25A			No	NYSDOT - upgradient LBs or WQI, RB if land available	HIGH
29	SH Trib	Stormwater	18"	Concrete	Circular Pipe	Corrosion	NYS Rte 25A	11,200	66/60	No	NYSDOT - upgradient LBs or WQI, RB if land available	HIGH
30	SH Trib	Commercial	6"	PVC	Circular Pipe	Good	none	0		No	check for IDDE, clean up area	
31	SH Trib	Residential	4"	PVC	Circular Pipe	Good	none	0		No	check for IDDE, clean up area	
32	SH Trib	Stormwater		Earth	Open Channel		Gnarled Hollow, Old Post, Caleb Brewster, Woodhull, Old Town, Hulse, Parsonage,			No	direct runoff to 33/34	HIGH
33	SH Trib	Stormwater	18"	Concrete	Circular Pipe	Broken sect.				Bank erosion	stabilize erosion, upgradient filters in structures	HIGH
34	SH Trib	Stormwater	30"	Metal	Circular Pipe	Other				Wall erosion	stabilize erosion, upgradient filters in structures	HIGH
35	SH Trib	Stormwater		Concrete	Open Channel	Cracked		24,850	50/32	Other	direct runoff to 33/34	HIGH
36	SH Trib	Residential	4"	PVC	Circular Pipe	Good	none	0		No	residential ok if roof drain	LOW
37	SH Trib	Stormwater			Open Channel	Other	see 34	include in 34	50/32	No	stone/vegetated filter swale, upgradient LBs in road	
38	CB	Stormwater		Earth	Open Channel	Eroded Soil	Old Field		66/36	No	stone/vegetated filter swale, upgradient LBs in road	
39	CB	Stormwater		Asphalt	Open Channel	Good	Old Field	1,050	66/36	No	stone/vegetated filter swale, upgradient LBs in road	
40	CB	Stormwater			Open Channel	Good	Old Field	1,050	66/36	No	stone/vegetated filter swale, upgradient LBs in road	

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Outfall Mitigation Potential
Table 3-3

Outfall	Outfall To	Use	Size	Material	Shape	Condition	Streets/Roads	Road Drainage - LF	ROW/Pav't Width±	Concerns	POTENTIAL MITIGATION ACTION	PRIORITY
41	CB	Stormwater		Earth	Open Channel	Good	Old Field, Quaker Path, Meadow, Mud, Christian, Coraway	17,500	66/36	No	stone/vegetated filter swale, upgradient LBs in road	HIGH
42	CB	Stormwater	36"	Concrete	Open Channel	Broken sect.	Conscience Bay	1,400	50/32	Bank erosion	reconstruct stone swale, upgradient LBs in road	
43	road	Stormwater		Earth	Open Channel	Other	Old Field	0	66/36	Bank erosion	clean & reconstruct - does not drain to surface water	LOW
44	CB trib	Residential	6"	PVC	Circular Pipe	Good	none	0		No	residential ok if roof drain	LOW
45	CB trib	Stormwater	24"	Concrete	Circular Pipe	Good	Old Field, Main	5,950	66/36	Sedimentation	upgradient LBs or WQI	HIGH
46	CB trib	Stormwater	24"	Concrete	Circular Pipe	Good	Main, parking lot	parking lot	66/36	No	upgradient LBs or WQI	
47	CB trib	Stormwater	15"	Concrete	Chute	Good	Main		66/36	No	overflow for road flooding at Outfall 48	
48	CB trib	Stormwater	60"	Concrete	Circular Pipe	Broken sect.	Main		66/36	Other	upgradient LBs or WQI	HIGH
49	CB trib	Stormwater		Concrete	Chute	Broken conc.	Main		66/36	Other	overflow for road flooding at Outfall 48, erosion, possible addt. drainage from comm. ctr.	
50	CB trib	Stormwater		Earth	Channel	Eroded soil	Main		66/36	Yes	curb overflow, clean street, repair erosion. If cannot repair, install stone or vegetate swale	
51	CB trib	Stormwater				Other	Main		66/36	Other	needs investigation	
52	CB trib	Stormwater				Other	Christian		50/32	Reg. maint.	needs investigation	
53	CB trib	Stormwater	10"	Metal	Circular Pipe	Good	Main	6,650	66/36	No	upgradient LBs or WQI	
54	CB trib	Stormwater	15"	Concrete	Circular Pipe	Corrosion	Lake	700	50/32	No	WQI	
55	CB trib	Stormwater		Earth	Channel	Eroded soil	Lake	see 57	50/32	Yes	stone/vegetated filter swale	
56	CB trib	Stormwater	15"	Concrete	Circular Pipe	Exposed Rebar	Main	see 48	66/36	Other	needs investigation, possible school property, upgradient LBs	
57	CB trib	Stormwater	18"	Metal	Circular Pipe	Good	Unknown			No	needs investigation, possible school property, upgradient LBs	
58	CB trib	Stormwater		Earth	Channel	Eroded soil	Lake	600	50/32	Yes	stone/vegetated filter swale	LOW
59	CB trib	Stormwater	24"	Concrete	Circular Pipe	Blocked	Main, Watson	see 48	50/32	Sedimentation	needs investigation, possible drain from across Main St	
60	CB trib	Stormwater		Concrete	Overflow Weir	Good	Brewster Hill	0	NA	No	RB for 1400LF Brewster Hill, overflow to CB trib - check for WQSE containment	HIGH
61	CB trib	Stormwater	4"	Metal	Circular Pipe	Good	none	1,400	50/32	Yes	possible well with eroded channel, stabilized with stone or vegetation	LOW
62	CB trib	Stormwater	36"	Concrete	Circular Pipe	Good	Ridgeway, Main			No	upgradient LBs or WQI, possible pipe conn to SE	HIGH
63	CB trib	Stormwater	30"	Concrete	Circular Pipe	Good	Ridgeway, Main	4,200	66/36	No	needs investigation, possible pipe conn to Main St	HIGH
64	CB trib	Stormwater	24"	Concrete	Circular Pipe	Good	Ridgeway, Main	1,400	66/36	No	needs investigation, possible pipe conn to 62	HIGH
65	CB trib	Other	12"	Clay	Circular Pipe	Broken Sect.	unknown	22 AC	NA	Bank erosion	needs investigation - low area or woods and turf overflows to structure to CB trib	
66	CB trib	Stormwater		Stone	Open Channel	Other	Main	13 AC	NA	No	needs investigation, ponded area possible overflow to 65	
67	SH trib	ID	4"	Metal	Pipe		Gnarled Hollow	0	NA	ID from comm.	running with no precip - investigate ID	HIGH
68	SH trib	Stormwater		Asphalt	Chute	broken asphalt	NYS Rte. 25A	2,800	66/36	to FW wetland/pond	drains to northside, surface connection to SH trib not found	
69	SH trib	Stormwater					Old Town		50/32	No	low area does not drain to SH trib	LOW
70	SH trib	Stormwater					Old Town		50/32	No	drains to wetland, surface connect to SH trib not found	LOW
71	road	Stormwater		Other	Other	erosion	Sheep Pasture		66/36		low area does not drain to surface water	LOW

Note: Road drainage LF lengths scaled from maps at 1" = 700'

jurisdictional outfalls. Many of these streets have leaching pools along their length that contain some of the runoff. Many of the structures are older models where the interior cannot be inspected and many of the structures are filled with sediments. The remainder of the outfalls drain smaller lengths of roads. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls.

There are no recharge basins within the Conscience Bay drainage area.

Conscience Bay Tributary Outfalls

The main tributary to Conscience Bay extends south from the Bay along the west side of Main Street. Drainage infrastructure extends along Main Street, where commercial development is concentrated. The majority of the remaining drainage area is composed of medium- to high-density, single-family residential use, with the higher densities located on the west side of the tributary. A private park is located at the mouth of the tributary immediately north of Old Field Road. The pond in this park and the tributary extending south to Brewster Hill Road are identified as a NYS-regulated freshwater wetland (PJ-1). The Town of Brookhaven owns a parcel of land located south of Christian Avenue, west of Main Street, and east of Lake Street in this wetland. A small pond at the location of outfall 66 is also identified as NYS-regulated freshwater wetland (PJ-5). Detmer Farms, an agricultural property preserved by Suffolk County through farmland transfer of development rights, is located at the corner of Ridgeway Avenue and Rte. 25A. According to the topographic map this property, which at times has significant area of soils exposed with the potential for erosion, slopes toward outfall 65. There are also two public schools located in close proximity to the tributary.

Twenty-three outfalls were identified in the tributary. Three pipe outfalls (44, 45, and 46) discharge into Mill Pond. Mill Pond and the surrounding private park (Frank Melville Memorial Park) are owned and managed by the Frank Melville Memorial Foundation (FMMF), which owns and manages an adjacent 29-acre arboretum and nature preserve known as The Sanctuary. Drainage infrastructure extends the length of Main Street from the Old Field Road intersection to the Rte. 25A intersection. Twenty outfalls (47-66) were identified in this section of road. Of the

outfalls, eleven are pipes or headwalls (48, 53, 54, 56, 57, 59, 61-65), two are constructed drainage channels (47, 49), and four are channels or low areas formed by concentrated runoff and/or erosion (50, 55, 56, 66). In addition, outfall 60 is an overflow weir on a recharge basin, and outfalls 51 and 52 require additional investigation. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls. The larger outfalls are discussed below.

Outfall 45 is located at the south end of Mill Pond and discharges runoff from Old Field Road and Main Street (eastern segment). The drainage area along this segment of Main Street, from Old Field Road to Brewster Hill Road and the adjacent side streets, is treated as a single contributory area. Smaller outfalls may overflow and drain to Outfall 48, a 60" piped outfall located at the north end of the tributary along Main Street (northern direction segment) and the drainage chutes (47, 49) located on either side of Outfall 48. Outfall 48 should also be investigated to determine if the drainage system carries drainage from the adjacent community property and school.

Storm runoff from Brewster Hill Road is carried to the recharge basin located on the north side of the road. The recharge basin has a weir (Outfall 60) at its northern end that allows the basin to overflow into the tributary, which runs along the eastern side of the basin. It is not known if this basin contains the WQSE and filters pollutants prior to overflow to the tributary.

At the intersection of Main Street and Ridgeway, Outfalls 62, 63, and 64 discharge runoff from Ridgeway and Main Street. Main Street and the western portion of Ridgeway have piped systems that discharge to the tributary. The eastern segment of Ridgeway surface drains toward Main Street to Outfall 62 and 64.

Two Town recharge basins (15, 16) and the two NYS recharge basins shown on Map 3 should be reviewed for capacity and overflow.

3.4.2 SETAUKET HARBOR

In the Setauket Harbor watershed, the older roads slope and/or have infrastructure that carries runoff to the bay or wetlands. The lands identified as self-contained are typically residential developments that have recharge basins that collect the road runoff. The section of Rte. 25A in this watershed has drainage infrastructure in place which outfall into Setauket Harbor at the east Setauket embayment.

Several recharge basins in the watershed should be assessed to determine if 1) they contain the water quality volume associated with their drainage area; 2) an overflow exists; and 3) the overflow functions to prevent pollutants captured in the basin from being washed out of the basin in large or subsequent storm events. In addition, if an existing basin has excess capacity it can be modified to receive drainage from additional areas. In addition to the recharge basins discussed below, two Town recharge basins (30, 31) located between Hulse Road and the Long Island Power Authority (LIPA) ROW within the Setauket Harbor watershed and shown on Map 3, should be reviewed for capacity and overflow.

Setauket Harbor Outfalls

Setauket Harbor is surrounded by low- to medium-density residential properties on the mainland and on Strongs Neck. The shoreline around Setauket Harbor is identified as intertidal marsh and high marsh or coastal shoals, bars and mudflats, while the center of the Bay is shown as littoral zone on NYSDEC tidal wetlands maps. Outfalls are typically either eroded channels or piped outfalls that drain limited sections of the residential streets.

Fifteen outfalls were identified (1-12, 14, 25, 26). Of these outfalls, eight (2-6, 10-12, 14, 25, 26), are pipes or headwalls, one (1) is a constructed swale and three (7, 8, 9) are eroded channels. Outfall 6 needs additional investigation to determine the infrastructure as the structure is blocked. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls. The larger outfalls are discussed below. Outfall 13 drains to Recharge Basin 1, which is shown on Map 3-2 and discussed below.

Outfall 1 is the overflow structure for a recharge basin located adjacent to the East Setauket embayment. This overflow should be assessed to determine if the WQSE volume is contained and that the overflow mechanism prevents sediments and pollutants from being washed out of the basin.

Outfalls 6, 7, and 8 are location along the east side of Dyke Road where road runoff has eroded channels into the wetlands along the west side of Little Bay.

Outfall 10 is a 36" diameter pipe outfall that discharges runoff from Maple Road and Dyke Road. A drainage channel extends from the outfall to Little Bay, which could potentially be utilized as a filtering swale.

Outfall 25 is a 12" diameter pipe section that drains Shore Road and Bayview Road along Setauket Harbor's south shore. The outfall is currently blocked and street flooding was observed on Shore Road.

Outfall 26 is a 24" diameter pipe section that drains Van Brunt Manor Road, which is under Village of Old Field jurisdiction and a small portion of Shore Road. The outfall is located on the boundary between Town of Brookhaven lands to the west and Village of Old Field lands to the east.

Three Town recharge basins (1, 5, 6,) shown on Map 3 should be reviewed for capacity and overflow.

Setauket Harbor Tributary Outfalls

The main tributary to Setauket Harbor extends south from the East Setauket sub-embayment along the east side of Gnarled Hollow Road to Old Post Road. A Town park is located at the mouth of the tributary immediately north of Main Street. The tributary is channelized between commercial properties on the south side of Rte. 25A. The pond in the park area and the tributary extending south to just past Mill Lane is identified as a NYS regulated wetland (PJ-2). The Town GIS data identifies the property between Main Street and Mill Road as a Town recharge basin. Drainage infrastructure extends east and west on Main Street, where commercial development is concentrated, and along Gnarled Hollow Road, which is comprised of medium-density, single-family residential properties. The majority of the drainage area is medium-density, single-family residential. Outfalls are typically piped outfalls that drain sections of the adjacent streets.

Fifteen outfalls were identified (27-37, 67-70). Of the outfalls, eight (27-31, 33, 34, 36), are pipes or headwalls: one (35) is a constructed swale; two (32, 37) are eroded channels; one (67) is a potential illicit discharge; and three (68-70) drain to upland wetlands or pond located off Rte. 25A (68) or off Old Post Road (69, 70). See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls. The larger outfalls are discussed below.

Outfalls 32, 33, 34, and 35 discharge into the tributary at a wetland area on the east side of Gnarled Hollow Road. This area is identified as a recharge basin on Town GIS data files.

Drainage infrastructure extends east along Main Street (Rte. 25A) to the watershed limit and west along Rte. 25A to Van Brunt Manor Road. The road drainage discharges into the tributary from Outfalls 27, 28 and 29.

Three sites were identified where underground springs reach the surface. These sites are in two locations located north and south of Old Post Road at Old Coach Road and flow to a small pond located south of Old Post Road. Street runoff discharges to one of the springs at Old Post Road. NYSDEC freshwater wetlands data shows two small freshwater wetland areas (PJ-6 and PJ-7) at

that location. The third location is north of Parsonage Road east of Old Town Road where the flow may run to the street.

A small animal farm is located on the north side of Old Post Road immediately west of the LIPA easement. The development rights to this farm parcel have been acquired though the Town Transfer of Development Rights program. The grassed field drains to an inlet located in the center of the field that is connected to the street infrastructure. If not currently undertaken, BMPs for the pastures and facilities should be implemented.

Two Town recharge basins (17, 18) shown on Map 3 should be reviewed for capacity and overflow.

3.4.3 PORT JEFFERSON HARBOR FROM STRONGS NECK

A small northeastern segment of Strongs Neck land area was determined to be part of the Port Jefferson Harbor watershed but was included in this Plan because of its immediate proximity to Conscience bay and Setauket harbor watershed and remoteness from other Port Jefferson watershed lands. Drainage infrastructures was field identified and assessed during the field investigation portion of this project. This area presents a small portion of the actual area that drains to Port Jefferson Harbor.

Port Jefferson Harbor Outfalls

The northwestern side of Strongs Neck drains toward Port Jefferson Harbor. The area is comprised of low-density, single-family residential properties. The southern end of the area includes a horse farm that extends to Port Jefferson Harbor.

There were four outfalls (15-18) identified that each drain a limited section of low-density residential road. Of the outfalls, one (15) is a pipe or headwall; two (16, 17) are constructed swales; and one (18) is a channel formed by runoff erosion. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls.

A horse farm is located in the southern segment of this area. The topography slopes toward Port Jefferson harbor and the fields are grass. If not currently in place, BMPs for horse pastures and facilities should be implemented.

There are no recharge basins within the Port Jefferson Harbor drainage area.

3.5 TARGET PROJECTS AND MANAGEMENT STRATEGIES

The outfalls and implementation actions discussed below are designated as target projects because the outfalls have been estimated to contribute, or to have the potential to contribute, to the greatest annual pollutant loads into Conscience Bay or Setauket Harbor. Structural mitigation measures at the target project locations will provide a significant reduction in pollutant loads into the waterbodies.

Some target projects address a single outfall. For other target projects, the proposed mitigation measures will encompass the discharge from multiple outfalls (e.g., 32-35 or 62/63). Of the eleven target projects identified, ten (outfalls 1, 10, 25, 32-35, 41, 45, 48, 60, 62/63, 64) are under Town jurisdiction and one (outfalls 27-29) is under New York State jurisdiction. The drainage area for two of the Town projects (outfalls 62/63 and 64) includes Ridgeway Avenue, a road under Suffolk County jurisdiction. Data on the catch basins discussed in each section is included on the Appendix A table entitled, *Catch Basins (Leaching and Non-leaching): GIS Field Data Collection.*

The target projects represent the outfalls that are estimated to have the greatest potential pollutant loads to Conscience Bay or Setauket Harbor on Table 3-1 and are identified to have a priority of high on Table 3-3. The specific implementation actions and target mitigation projects are shown on Map 6. As additional factors may influence the order in which the projects are implemented, general recommendations for mitigation actions for each outfall are included on Table 3-3. The target project recommendations are conceptual and the mitigation measures may be modified

based on additional site conditions identified during further site analysis that is beyond the scope of this Plan. The order in which projects and actions are initiated should be based on several key components including, but not limited to, the following:

1) Severity of the problem
2) Goals and objectives of the project and the assumed or known effectiveness of the project or action
3) Technical feasibility
4) Timing
5) Planned or necessary road reconstruction work
6) Availability of funding
7) Other planned local and regional planning efforts and implementation projects

Section 3.5.3: Municipal Stormwater Management Strategies includes a brief discussion of non-structural management strategies, such as actions to reduce the pollutant loads generated (e.g., fertilizer use reduction) or to provide measures that will remove pollutants prior to entering surface waters (e.g., vegetated buffer installation). Municipal management strategies are important to consider in highly developed watersheds such as Conscience Bay and Setauket Harbor where adequate space to site structural mitigation measures is limited.

3.5.1 CONSCIENCE BAY IMPLEMENTATION ACTIONS

Conscience Bay Target Projects

Outfall 41 (Ranked 1)

Outfall 41 is an earth swale located on the east side of Old Field Road in the Village of Old Field immediately north of the jurisdictional limit with the Town of Brookhaven. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding this outfall. This outfall drains 17,500 LF of road within the Conscience Bay watershed, including Quaker Path, Mud Road, Meadow Road, Old Field Road, Coraway Road, and other adjacent streets. The catchment area for this outfall is estimated to be 26.5 acres and the WQSE volume is estimated to be 109,662 CF. This catchment area was identified

to have the highest estimated average annual sediment load within the Conscience Bay watershed, as shown on Table 3-1. The catchment area land use is medium- to high-density residential and there is little to no available open space for siting stormwater management practices. The streets are typically uncurbed and sidewalks are limited. The locations on Quaker Path and Mud Road where the roads cross into the Village of Old Field are identified as jurisdictional outfalls in accordance with NYSDEC SPDES MS4s outfall mapping requirements.

Numerous segments of road within this drainage area have catch basins in place, including on Coraway Road, Christian Avenue, and Shaken Hollow Road, and the northern section of Old Field Road. Many of the sixty-nine catch basins identified are older structures with covers that cannot be removed for inspection, and many of the structures inspected were found to be filled with sediments. Sixty-nine catch basins (117-129, 140-147, 151-198) are identified to be within this drainage area. The listing of the catch basins is included in Appendix A. Of these catch basins, forty-one were found to be full or partially full of sediments (twenty-eight) or water (thirteen). Sediment levels and/or pipe connections in the water-filled catch basins could not be determined and should be re-inspected after structures are cleaned or emptied. Of the sixty-nine catch basins, the leaching capability of thirty-six catch basins could not be determined because of material deposits in the structure or the inability to access the structures.

The existing catch basins contain some of the WQSE volume runoff and provide some leaching capability. The drainage system within this drainage area should be further assessed to determine the leaching capacity of the existing catch basins and the number of additional leaching basins required to provide storage capacity of the entire WQSE volume. Prior to this assessment, all structures in the drainage area must be cleaned, and those that could not be previously inspected should be opened and existing capacity determined. The installation of upgradient leaching basins along Mud Road, Meadow Road and the southern section of Quakers Path will provide additional storage capacity.

In addition, the Town should work with the Village of Old Field to improve the outfall swale to provide additional filtering capacity.

Conscience Bay Tributary Target Projects

Outfall 45 (Ranked 5)

Outfall 45 is a 24" concrete pipe located at the south end of Mill Pond that discharges runoff from 5,950 LF of Old Field Road and Main Street (eastern segment). See *Table 3-3: Outfall Mitigation Potential* for additional information regarding this outfall. The catchment area for this outfall is estimated to be 9.0 acres and the WQSE volume is estimated to be 26,659 CF. This catchment area was identified to have the third highest estimated average annual sediment load within the Conscience Bay watershed, as shown on Table 3-1. The catchment area land use is medium-density residential with limited curb and sidewalk. There is no available open space for siting stormwater management practices.

Three catch basins (203-205) were identified within this catchment area. Catch basin 203 does not provide leaching capacity, is in poor condition, and appears to be collapsing. No sediment accumulation was identified in Catch basin 204, but it could not be accessed to determine if it provides leaching capacity. Catch basin 205 does not provide leaching capacity and has no sediment accumulation. A listing of catch basin structures is included in Appendix A.

Runoff from this catchment area is carried into Mill Pond. A WQI may be installed at Outfall 45. Alternatively, the installation of leaching basins along Old Field Road and Main Street would provide leaching capacity. Catch basin filters should be installed on the existing catch basins.

Outfall 48 (Outfalls 47, 49-51, and 53) (Ranked 4)

Outfall 48 is a 60" diameter concrete pipe located at the northeast end of the Conscience bay tributary. See *Table 3-3: Outfall Mitigation Potential* for additional information

regarding this outfall. The catchment area for this segment of Main Street, from Old Field Road to Brewster Hill Road, and the adjacent side streets are treated as a single contributory area. Smaller Outfalls 50, 51, and 53 along this road segment may overflow and drain toward Outfall 48 and the drainage chutes (Outfalls 47 and 49) located on either side of Outfall 48. Outfall 48 should be investigated to determine if the drainage system carries drainage from the adjacent community property and school. Outfall 48 drains 6,650 LF of road. The catchment area is estimated to be 10.1 acres, while the WQSE volume is 29,917 CF. This area is estimated to have the second largest estimated average annual sediment load within the Conscience Bay watershed, as shown on Table 3-1. The catchment area is mix of residential and community land uses. There are limited areas of curb and sidewalk within this area.

Ten catch basins (208-212, 215-219) were identified within this catchment area. Of the ten structures, five are filled with either sediment (four) or water (one). Sediment levels in water-filled structures cannot be determined and should be re-inspected after structures are cleaned. The leaching capacity of the ten catch basins could not be determined as the structures could not be accessed or material in the structure prevented inspection. The listing of catch basin structures is included in Appendix A.

Installing curb along this section of Main Street would prevent storm runoff from running over the stream bank into the tributary, as is the current condition at Outfall 50. This overflow is causing sediment to be deposited along the street and creating erosion of the shoreline. The drainage structures within this catchment area should be assessed to determine the leaching capacity of the existing catch basins and to determine the number of additional upgradient leaching basins required to provide the required storage capacity for the WQSE volume. Prior to the assessment, all of the existing structures must be cleaned and emptied. Alternatively, a piping system could be installed to handle the flow from Main Street, and a WQI installed prior to discharge at Outfall 48.

Outfalls 62 and 63 (Ranked 6)

These outfalls are located behind residences at the northwest corner of the intersection of Main Street and Ridgeway Avenue. .The outfalls drain 4,200 LF of Ridgeway Avenue and Main Street. The catchment area for these outfalls is estimated to be 6.4 acres and the WQSE volume is 18,957 CF. This catchment area was identified to have the fourth largest average annual sediment load within the project area, as shown on Table 3-1. The land use surrounding the catchment area is medium- to high-density residential. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls.

The catchment area has catch basins along Ridgeway Avenue west of Main Street. Of the seventeen catch basins identified (229-245), eleven (229-235, 238-241) provide leaching capability, and six (236, 237, 242-245) could not be assessed due to sediments partially filling five structures (233, 236-238, 240) and water filling another (244). A listing of catch basin structures is included in Appendix A.

There is no open, available land near these outfalls to site stormwater management measures. The existing catch basins provide some leaching capability. The Town should investigate whether the recharge basin located south of the Ridgeway Avenue and Mud Road intersection and the recharge basin on Covey Lane north of Ridgeway Avenue can provide additional leaching capacity if runoff is piped to them. Alternatively, additional leaching basins could be installed on Ridgeway Avenue east of Main Street to increase the leaching capacity.

Outfall 64 (Ranked 11)

Outfall 64 is a piped outfall into a box culvert located on the large (approximately 0.4 acres), grassed road ROW on the southeast corner of the Ridgeway Avenue and Main Street intersection. The box culvert is connected to a pipe that is likely connected to Outfall 62 or 63 discussed above. Outfall 64 drains 1,400 LF of Main Street south of Ridgeway Avenue. The catchment area for this outfall is estimated to be 92,400 SF with

a WQSE volume estimated to be 6,220 CF. This catchment area is identified as a target project because of the potential for overflow into the system from the NYS recharge basin on Main Street, and from Outfalls 65 and 66, along with the potentially available ROW space for siting mitigation measures. When combined with Outfalls 65 and 66, this location has the third highest estimated average annual pollutant load in the Conscience Bay watershed. Outfall 65 is a piped discharge from the Detmer Farms, preserved Suffolk County agricultural land, to a low area near Outfall 64. Outfall 66 is a low, ponded area located 750 feet south of Outfall 64 on a private residential parcel that could overflow to this system. Both outfalls 65 and 66 drain areas with no roads and limited impervious surface. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls.

Of the thirteen catch basins (246-258) identified within the Outfall 64 catchment area, five (247, 252, 254-256) do not provide leaching capability, and eight (246, 248-251, 253, 257, 258) could not be assessed for leaching capability due to material in the structure or inability to inspect the interior. Three structures (248, 257, 258) were identified to have water partially or fully filling the structure and three structures (251-254) were fully filled with sediments. A listing of catch basin structures is included in Appendix A.

The Outfall 64 box culvert is located in a low area, and the southern side of the culvert is opened and exposed. The low area was observed to be dry, and appears to be within the road ROW that could be used for a bioretention basin for a portion of the WQSE volume. In addition, the property located at the southeast corner is a 2.3-acre parcel (tax map no. 0200-131-7-18) with the building structure located at the southern end of the property. Acquisition of the entire property or of the northern section of the property would provide the opportunity to expand the selected mitigation practice.

Outfall 60 (Ranked 10)

Storm runoff from Brewster Hill Road is carried to the recharge basin located on the north side of the road. At its northern end the recharge basin has a weir (Outfall 60), which allows the basin to overflow into the tributary that runs along the eastern side of the basin. Approximately 1,400 LF of road drains to the recharge basin. The catchment area is estimated to be 1.6 acres and the water quality storm volume is 6,621 CF. The catchment area land use is medium-density residential with curbed streets and storm infrastructure that carries runoff to the recharge basin. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding this outfall.

Four catch basins (220-224) are located within the Outfall 60 catchment area. Although not confirmed because of standing water in all of the structures, it is assumed that the structures are interconnected to Catch Basin 223, which is piped to flow into the recharge basin. A listing of catch basin structures is included in Appendix A.

Although this outfall does not have one of the larger pollutant loads in the watershed, it offers the opportunity to provide additional filtering capabilities for the removal of pollutants such as nitrogen and phosphorus. The recharge basin should be reviewed for its ability to contain the WQSE and as well as its potential to expand the area of runoff directed to the basin. The overflow weir should be assessed and modified if necessary to contain the WQSE in the basin and reduce overflow to the tributary. The basin should also be reviewed for its ability to be modified to increase pollutant filtering prior to overflow to the tributary, such as by the creation of a bioretention basin or a vegetative filter within the basin.

3.5.2 SETAUKET HARBOR IMPLEMENTATION ACTIONS

Setauket Harbor Target Projects

Outfall 1 (Ranked 9)

Outfall 1 is the overflow structure for a recharge basin located adjacent to the East Setauket embayment. This recharge basin contains the storm runoff from a subdivision that includes View Road and Shipyard Lane. Approximately 2,100 LF of road drains to Outfall 1. The catchment area is estimated to be 105,000 SF with an estimated WQSE volume of 7,140 CF. As shown on Table 3-1, this catchment area is estimated to have the fifth largest average annual sediment load within the project area. The catchment area land use is medium-density residential. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding this outfall.

Eight catch basins (491-497, 500) are located along View Road and Shipyard Lane. The leaching capability of six (491,493,494, 496, 497, 500) could not be confirmed, while one (492) did not provide leaching capability and one (495) did. Of the eight structures, two (491, 493) were fully filled with sediment and four (494, 496, 497, 500) were full of water. Although not confirmed, it is believed that this system of catch basins along with the nine manholes (15-23) is a piped system that carries runoff to the recharge basin. A listing of catch basin and manhole structures is included in Appendix A.

This recharge basin overflow should be assessed to determine if the WQSE volume is contained and the overflow mechanism prevents sediments and pollutants from being washed out of the basin into Setauket Bay. The basin should be cleaned of any sediment build up. If necessary a bypass should be installed that allows storm volumes in excess of the WQSE volume to bypass the recharge basin, while allowing the WQSE volume to be infiltrated in the basin.

Outfall 10 (Ranked 7)

Outfall 10 is a 36" diameter pipe that discharges runoff from Maple Road and Dyke Road. The outfall drains 3,500 LF of road. The catchment area is estimated to be 175,500 SF and the WQSE volume is 7,140 CF. This catchment area is estimated to have the third highest average annual sediment load within the Setauket harbor watershed, as shown on Table 3-1. The catchment area land use is medium- to low-density residential. A drainage channel extends from the Outfall to the Little Bay subembayment in Setauket Harbor. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding this outfall.

Ten catch basins are located along the catchment area roads. Of the ten, the leaching ability of six (56, 75-77, 80, 81) could not be determined, while the remaining four (52-55) are leaching structures. Two structures (56, 80) were found to be full of sediments and three (75-77) were full of water. A listing of catch basin structures is included in Appendix A.

The catch basins within this catchment area should be assessed to determine the leaching capacity of the existing structures and the number of additional leaching basins required to provide the required storage capacity for the WQSE volume. Prior to the assessment, all of the existing structures must be cleaned and emptied. Additional leaching basins can be installed along Maple Road and Dyke Road. Alternatively, a WQI can be installed near catch basins 80 and 81 at the intersection of Maple Road and Dyke Road.

Outfall 25 (Ranked 8)

Outfall 25 is a 12" diameter pipe that drains Shore Road and Bayview Road along Setauket Harbor's south shore. The outfall should drain 2,800 LF of road, but the outfall is currently blocked and street flooding was observed on Shore Road. The catchment area for Outfall 25 is estimated to be 140,000 SF with a WQSE volume of 9,520 CF. The catchment area is estimated to have the fourth largest average annual sediment load in the Setauket Harbor watershed. The catchment area land use is medium- to high-density

residential. This location has little to no available open space and may have a shallow groundwater depth. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding this outfall.

Nine catch basins (510, 511, 515-521) are located within the catchment area. Of the nine, the leaching capability of seven (510, 515-518, 520, 521) could not be determined and the remaining two (511, 519) were not leaching structures. All nine structures were full of water. A listing of catch basin structures is included in Appendix A.

With little depth to groundwater and no identified location to site a surface filtering system, potential mitigation actions are limited. The use of a WQI at the outfall and installation of CBIs can be used to reduce the pollutant load from this area. After cleaning and emptying the existing catch basins and assessing the leaching capability, a determination can be made for installing additional leaching basins on Bayview Avenue and Carleton Avenue to provide additional infiltration capacity.

Setauket Harbor Tributary Target Projects

Outfalls 32-35 (Ranked 2)

Outfalls 32, 33, 34, and 35 drain into the Setauket Harbor tributary along the east side of Gnarled Hollow Road. This area is within a designated wetland area, but is identified as a recharge basin on Town GIS data files. This recharge location is currently vegetated with trees, shrubs and grasses, and the storage capacity is not known. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls. Outfalls 32 and 35 are locations of concentrated road runoff that have eroded channels into the slope. Outfalls 33 and 34 are pipe outfalls that have eroded soil condition at the outfall and down stream. These outfalls drain 24,850 LF of road, including Gnarled Hollow Road, and parts of Old Post Road, Caleb Brewster Road, Woodhull Road, Old Town Road, Parsonage Road Bancroft Street and Kenwood Street. The catchment area is estimated to be 28.5 acres with the WQSE volume estimated at 84,490 CF. This catchment area was identified to have the highest estimated average annual sediment load

with the Setauket Harbor watershed, as shown on Table 3-1. The catchment area land use is medium-density residential. The streets are typically uncurbed and sidewalks are limited.

There are eighty-three catch basins (360-374, 396-463) in the catchment area. Of the eighty-three, it is unknown if most provide leaching capability because almost all of the catch basins were partially- or fully-filled with either water or sediment. Only seven structures could be adequately inspected for leaching capacity. Of those, three (428, 440, 441) were found to provide leaching capability and four were determined not to for provide leaching (449, 457, 460, 461). Assessment of the interior condition of the catch basins found the following condition issues:

- Twenty-five are partially filed with water (364, 396, 397, 401, 402, 405, 406, 407, 409, 416, 417, 420, 424, 426, 427, 428, 429, 430, 431, 440, 441, 450, 451, 454, 456)
- Twenty are fully filled with water (360, 361, 368, 370, 374, 398, 403, 404, 415, 418, 419, 425, 432, 445, 446, 447, 458, 459, 462, 463)
- Seventeen are partially filled with sediment (366, 369, 372, 408, 410, 412, 413, 434, 435, 436, 437, 438, 439, 442, 448, 452, 453)
- Twelve are fully filled with sediment (362, 363, 371, 411, 414, 421, 422, 423, 433, 443, 444, 457)

In addition, because eight catch basins (365, 367, 373, 399, 400, 449, 455, 461) could not be inspected, the interior condition of those basins is not known. One catch basin (460) was determined to be in good condition. A listing of catch basin structures is included in Appendix A.

The existing catchment area catch basins need to be further assessed to determine the existing storage and leaching capacity. Those not previously inspected must be opened and the existing condition and capacity determined. Prior to this assessment, all structures in the catchment area must be cleaned and emptied. Town GIS data identifies the outflow location for Outfalls 32-35 as a recharge basin and, as such, the potential for

improvements to provide additional detention capacity should be reviewed. If the outfall location is confirmed to be a NYSDEC- designated wetland, drainage improvements will need to be implemented upgradient. In this case, additional leaching basins should be installed along segments of the catchment area where they do not currently exist. Outfalls 32 and 35, which are swales created by surface erosion, should be removed and curb installed to direct all drainage to Outfalls 33 and 34, where WQIs should be installed. The use of catch basin inserts would further reduce the pollutant levels into the tributary.

Outfalls 27, 28, and 29 (Ranked 3)

The catchment area for Outfalls 27, 28, and 29 extends west along Main Street (Rte. 25A) to the Setauket Harbor watershed boundary at the Old Town Road intersection and east along Rte. 25A to Van Brunt Manor Road. The catchment area includes the drainage from sections of side streets that slope toward Main Street. Main Street in this location is under New York State jurisdiction. Outfalls 27, 28 and 29 drain 11,200 LF of road. The catchment area is estimated to be 17 acres with a WQSE volume of 4,760 CF. The catchment area is estimated to have the second highest average annual sediment load within the Setauket Harbor watershed, as shown on Table 3-1. The catchment area land use is commercial west of the outfalls and mainly residential to the east. Main Street is curbed and has sidewalks in place. Outfall 27 is a road grate that is open to the culvert under Main Street allowing road pollutants and trash to drop directly into the tributary at its outflow into Setauket Harbor. Outfall 28, a 24" diameter concrete pipe, and Outfall 29, an 18" diameter concrete pipe, discharge into the tributary in the culvert under Main Street. See *Table 3-3: Outfall Mitigation Potential* for additional information regarding these outfalls.

There are forty-five catch basins (464-485, 508, 512-514, 522-535, 539-543) in the catchment area. It is unknown if most of the forty-five catch basins provide leaching capability because almost all of the catch basins were partially- or fully-filled with either water or sediment. Only nine structures could be adequately inspected for leaching

capacity. Of those, five (469, 476, 528, 530, 540,) were found to provide leaching capacity and four (464, 467, 513, 539) were determined not to provide leaching capacity. Assessment of the interior condition of the catch basins found the following condition issues:

- Eighteen are partially filed with water (466, 468, 470, 471, 476, 478, 479, 483, 484, 485, 513, 522, 524, 525, 527, 529, 531, 533)
- Thirteen are fully filled with water (465, 472, 473, 474, 475, 477, 480, 481, 482, 514, 534, 535, 541)
- Eight are partially filled with sediment (469, 526, 528, 530, 532, 539, 540, 542)
- Three are fully filled with sediment (512, 523, 543).

In addition, because one catch basin (464) could not be inspected, the interior condition of that basin is not known. Two catch basins (467, 508) were determined to be in good condition. A listing of catch basin structures is included in Appendix A.

Main Street (Rte. 25A) through this catchment area is under NYSDOT jurisdiction; therefore, any improvements to the drainage system will require coordination with the NYSDOT. No available open space was identified where a surface filtering system could be sited. Prior to finalizing selection of a stormwater mitigation measure, the existing catch basins should be reviewed after being cleaned and emptied to determine the storage capacity and leaching capability of the existing catch basin structures. However, it appears that the system is piped and will likely provide little leaching capability before outflow. WQIs could be installed on both the 24" diameter pipe for Outfall 28 and the 18" diameter pipe for Outfall 29 to reduce the pollutant load from this area. If possible, runoff from Outfall 27 should be piped to the WQI at either Outfall 28 or Outfall 29. If that connection is not possible, a CBI should be installed at Outfall 27.

3.5.3 MUNICIPAL STORMWATER MANAGEMENT STRATEGIES

The structural mitigation measures discussed above can be costly projects that treat limited stormwater volumes. Implementation of these measures alone will most likely not provide sufficient pollutant load reduction to meet NYSDEC water quality standards and TMDL requirements for the Conscience Bay and Setauket Harbor watersheds. In addition, the developed character of these watersheds makes locating land area to site structural measures difficult. Pollutants in stormwater can also be reduced by reducing the amount of pollutants deposited on the land surface and carried in stormwater runoff to the surface waters. Pollution source control strategies and pollution prevention good housekeeping measures by the watersheds' municipalities, as well as by local property owners and residents, can be used to achieve substantial pollutant load reductions. The following are general management strategies that municipal governments or agencies can implement to effect community-wide behavioral changes that can reduce pollutant load generation and good housekeeping measures to remove pollutants prior to entering waterways. Pollution source control and good housekeeping measures can be developed and implemented through mechanisms such as watershed management plans and through the New York State SPDES MS4s Program.

The following is a listing of potential municipal management strategies that can reduce or control pollutants generated in the Conscience Bay and Setauket Harbor watersheds.

- Prepare Watershed Management Plans (WMPs) for each watershed in accordance with NYSDOS and USEPA criteria.
    - WMPs are developed with oversight by a watershed management committee comprised of members from local and state agencies, non-governmental organizations and individual community members that share responsibility for the watershed protection and restoration. This Stormwater Management Plan can serve as a beginning point to address further watershed improvements that will increase habitat restoration efforts and community involvement in pollution reduction. The planning goals of a WMP include requirements to provide a

characterization of the watershed along with development of a preventive component to reduce future pollutant discharges, a corrective component to identify and reduce water quality and habitat impairments, and an implementation component to address enactment the proposed improvements.

- Develop a Neighborhood Source Control Plan that identifies pollution sources in watershed neighborhoods and provides recommendations on ways to reduce the pollutants generated. Neighborhood Source Control Plans include information on the following:
    - Community stewardship activities that can reduce pollutants, such as fertilizer and pesticide use reduction, xeriscaping, natural landscaping, tree planting, yard waste composting, soil erosion repair, septic system maintenance, pool water discharges, car washing, driveway sweeping, safe pavement deicing, household hazardous waste collection program and recycling, downspout disconnection, pet waste clean-up, buffer planting, and storm drain marking.
    - Hotspot pollution prevention for residential and commercial activities, such as vehicle maintenance, fueling, washing and storage; spill prevention; dumpster management; outdoor storage; loading and unloading operations; building maintenance, repair, and remodeling; parking lot maintenance; turf management; landscape and ground maintenance; and swimming pool discharges.

- Develop a Town-wide Municipal Pollution Prevention Good Housekeeping Program that identifies measures for municipal pollution prevention and good housekeeping including the following:
    - Municipal Hotspot Facility Management

      Target pollution reduction measures and operations at municipally owned or operated facilities that produce higher levels of stormwater pollutants and present a higher risk for spills, leaks or illicit discharges. The municipal hotspot sites can include equipment and materials storage and maintenance yards, hazardous waste and solid waste disposal facilities, handling or transfer stations, landfills, water

and wastewater treatment facilities, public works yards, vehicle storage and maintenance yards, municipal parks, golf courses, swimming pools and buildings.

- Construction Project Management

  Enact stormwater management and erosion and sediment control measures, along with inspection requirements, for capital improvement projects within the community; including public buildings, public recreational facilities, public works facilities, utilities, water and wastewater treatment plants, and waste disposal facilities.

- Street Repair and Maintenance

  Undertake street repair and maintenance that includes regular municipal maintenance activities such as asphalt and concrete paving operations and surface repairs along with winter road clearing operations using sand and salt based deicing compounds.

- Stormwater Management Infrastructure and Street Cleaning Maintenance Programs

  Develop enhanced municipal maintenance programs for stormwater infrastructure in watersheds. Many catch basins and leaching basins in the Conscience Bay and Setauket Harbor watersheds were found to be filled, either partially or fully, with sediments, reducing capacity and causing over flows. The maintenance program should include development of GIS-maintained schedules for street sweeping and structure cleaning.

  Investigate drainage systems and trace piping systems for the outfalls discussed in this Plan. Drainage systems could not be determined in several locations because of lack of access to structures. When necessary, dye testing of drainage systems should be conducted to confirm the extents of systems.

- Park and Landscape Maintenance

  Develop a program to manage public facilities to reduce pollutants from maintenance operations by reducing fertilizer and pesticide usage, reducing irrigation requirements, preventing erosion, and removing debris and garbage.

- Residential Stewardship

  Continue educational efforts to reduce resident activities that can negatively impact water quality, such as over fertilization, littering, excessive pesticide use, oil dumping, and vehicle maintenance, while encouraging activities that can improve water quality, such as buffer planting, pet waste pick-up, and on-site stormwater infiltration.

- Employee Stormwater Training

  Conduct employee training sessions on methods to incorporate pollution prevention good housekeeping practices into daily municipal operations and activities to achieve pollution reduction success.

- Illicit Discharge Reporting Hotline

  Maintain a reporting hotline to identify illicit discharges within the watersheds.

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Conscience Bay/ Setauket Harbor Stormwater Management Plan

Maps

Aerial Dated 2004, Source: NYS GIS

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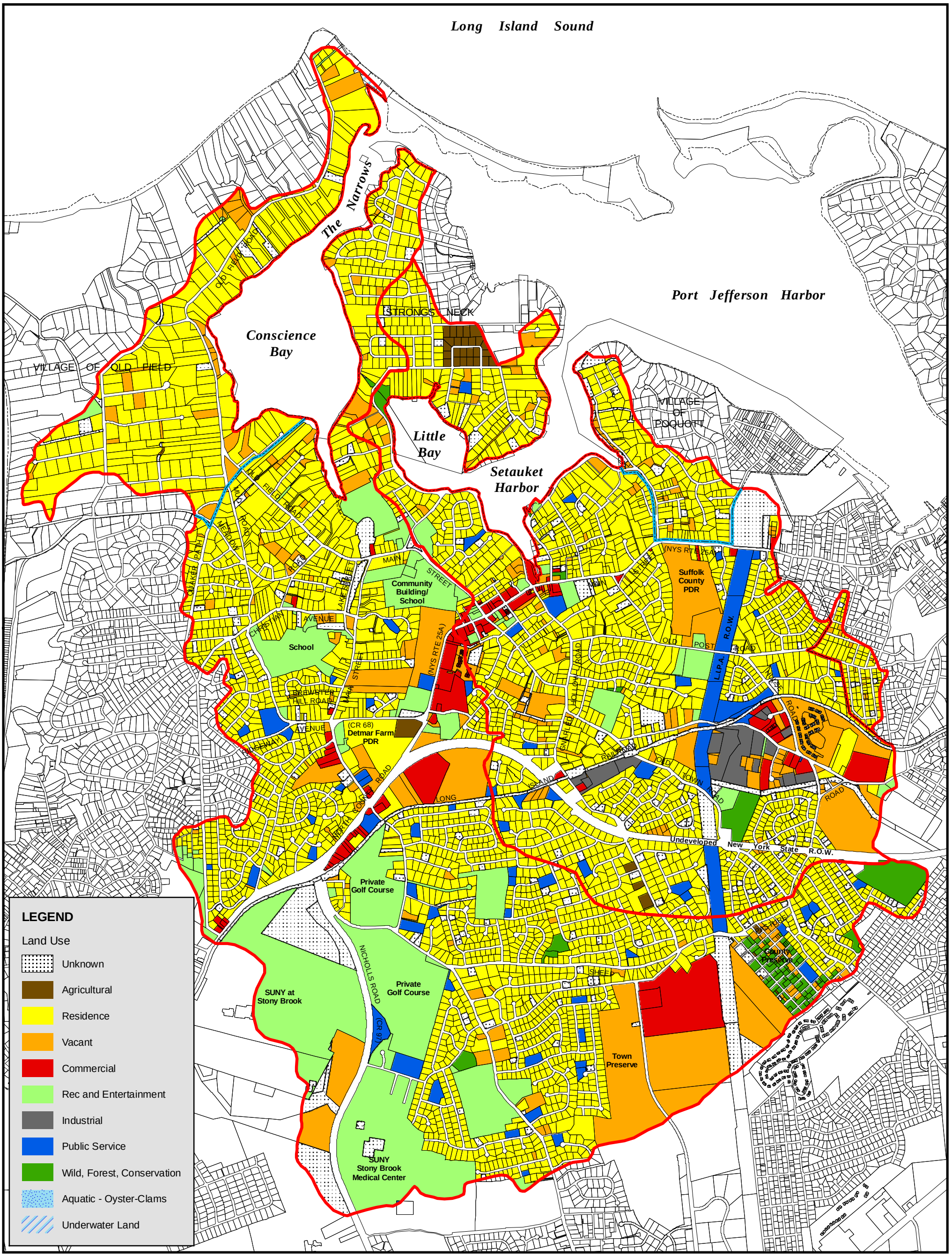
N

0 1,000 2,000 4,000 Feet

Conscience Bay and Setauket Harbor Watershed Plan

Watershed Boundary

Map 1



Land Use Source:
Town of Brookhaven GIS

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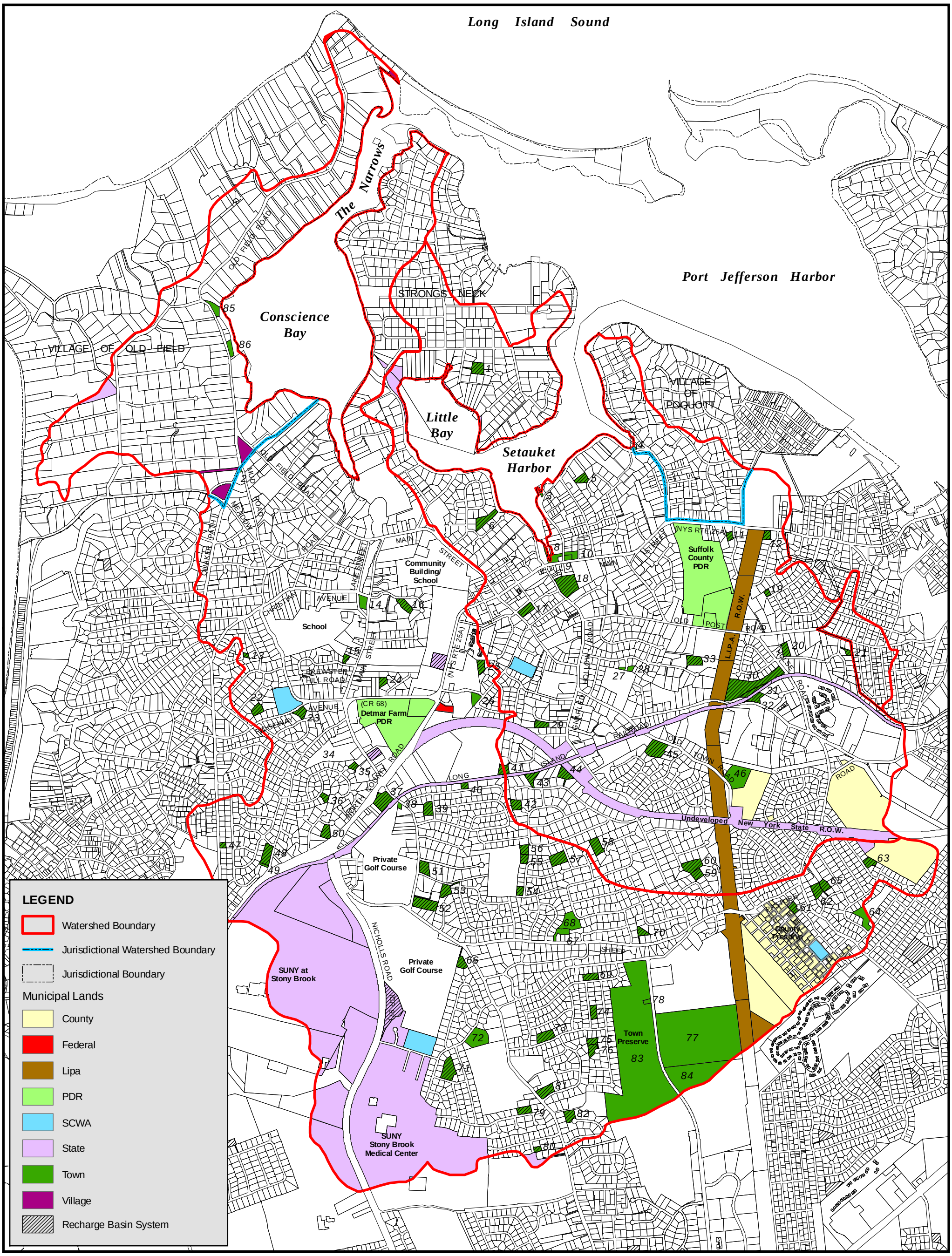
Conscience Bay and Setauket Harbor Watershed Plan

Land Use

Map 2



Land Ownership/Recharge Basins Source:
Town of Brookhaven GIS

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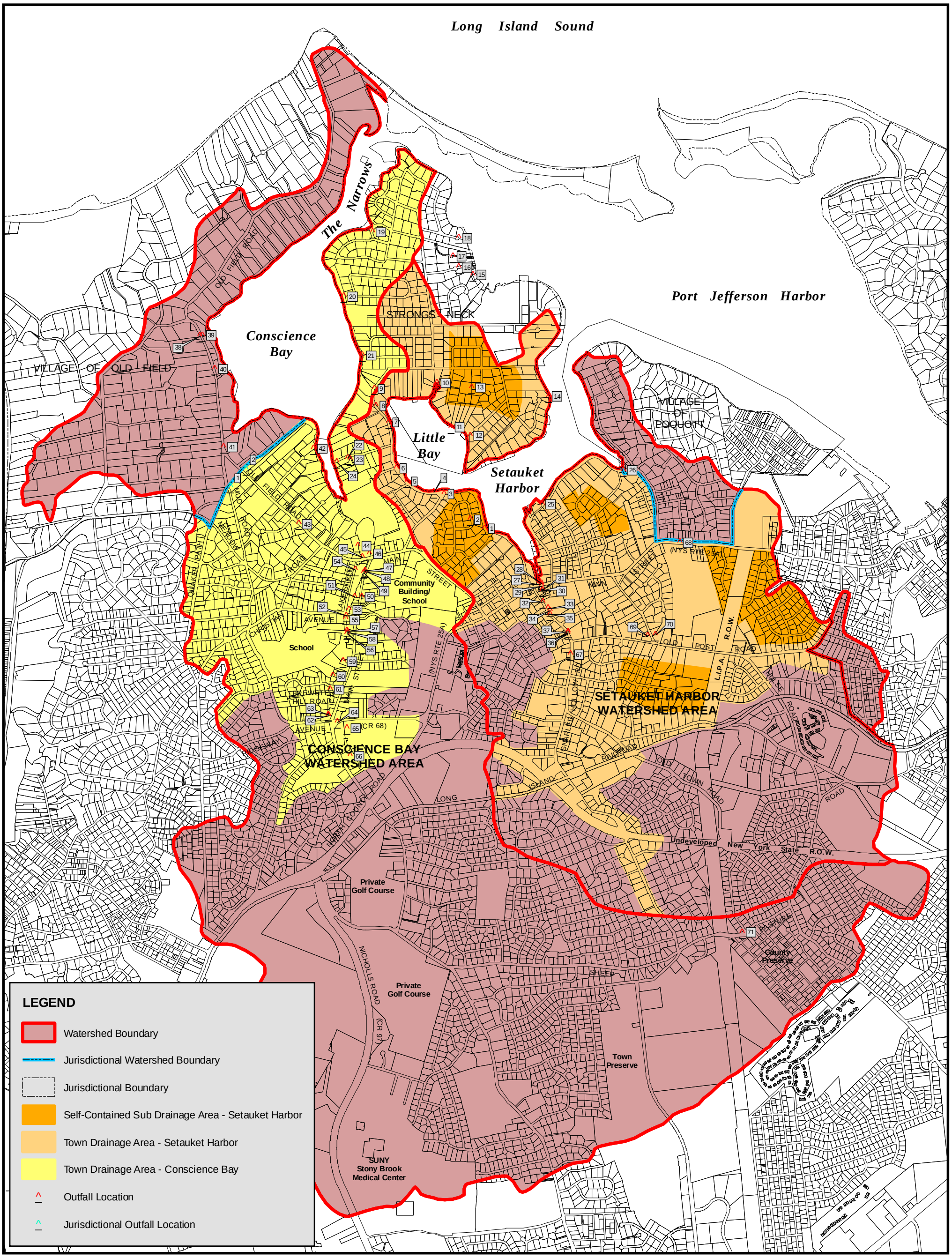
Conscience Bay and Setauket Harbor Watershed Plan

Municipal Lands and Recharge Basins

Map 3



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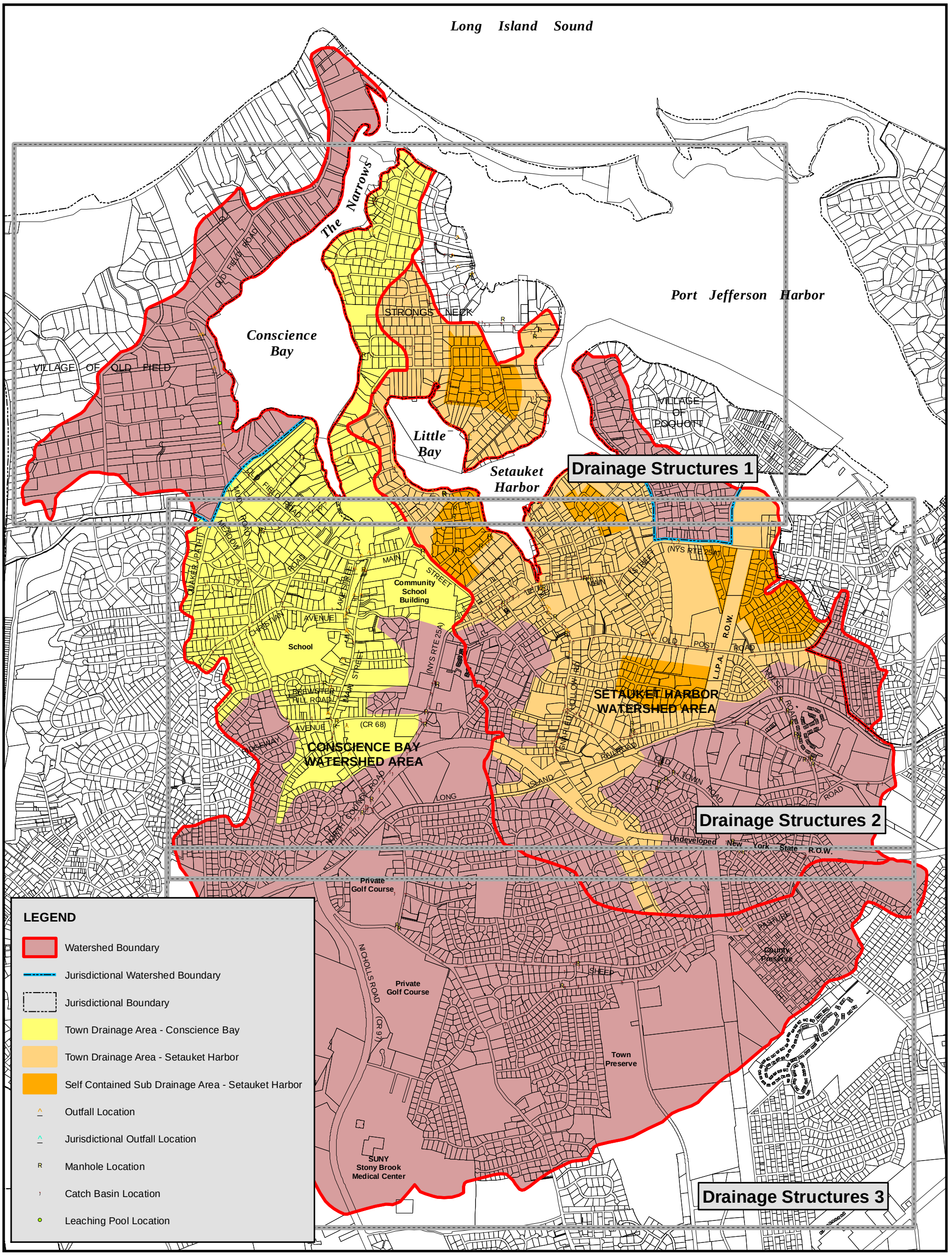
Conscience Bay and Setauket Harbor Watershed Plan

Drainage Areas and Outfalls

Map 4



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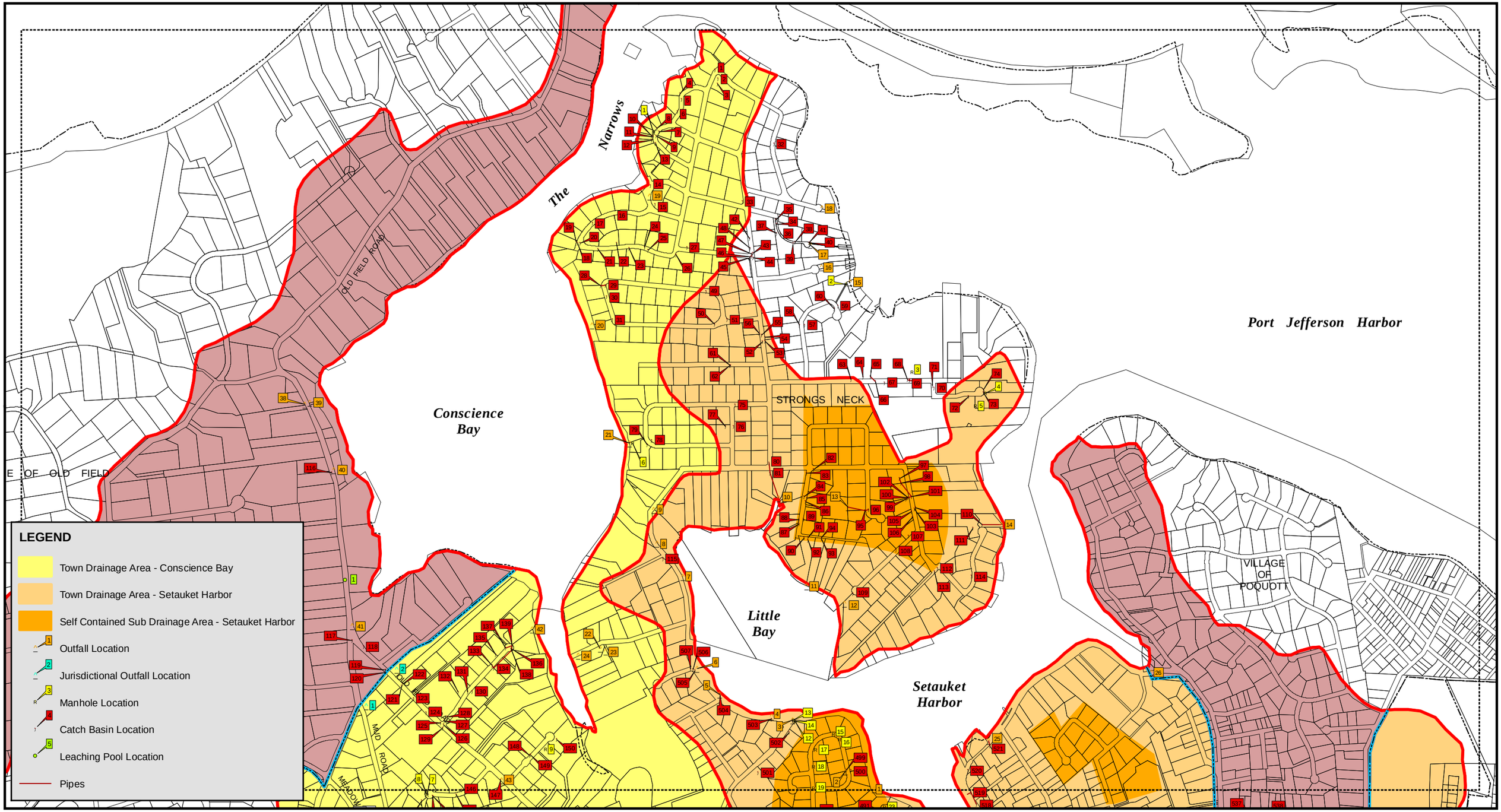
0 1,000 2,000 4,000 Feet

Conscience Bay and Setauket Harbor Watershed Plan

Drainage Structures Key Map

Map 5



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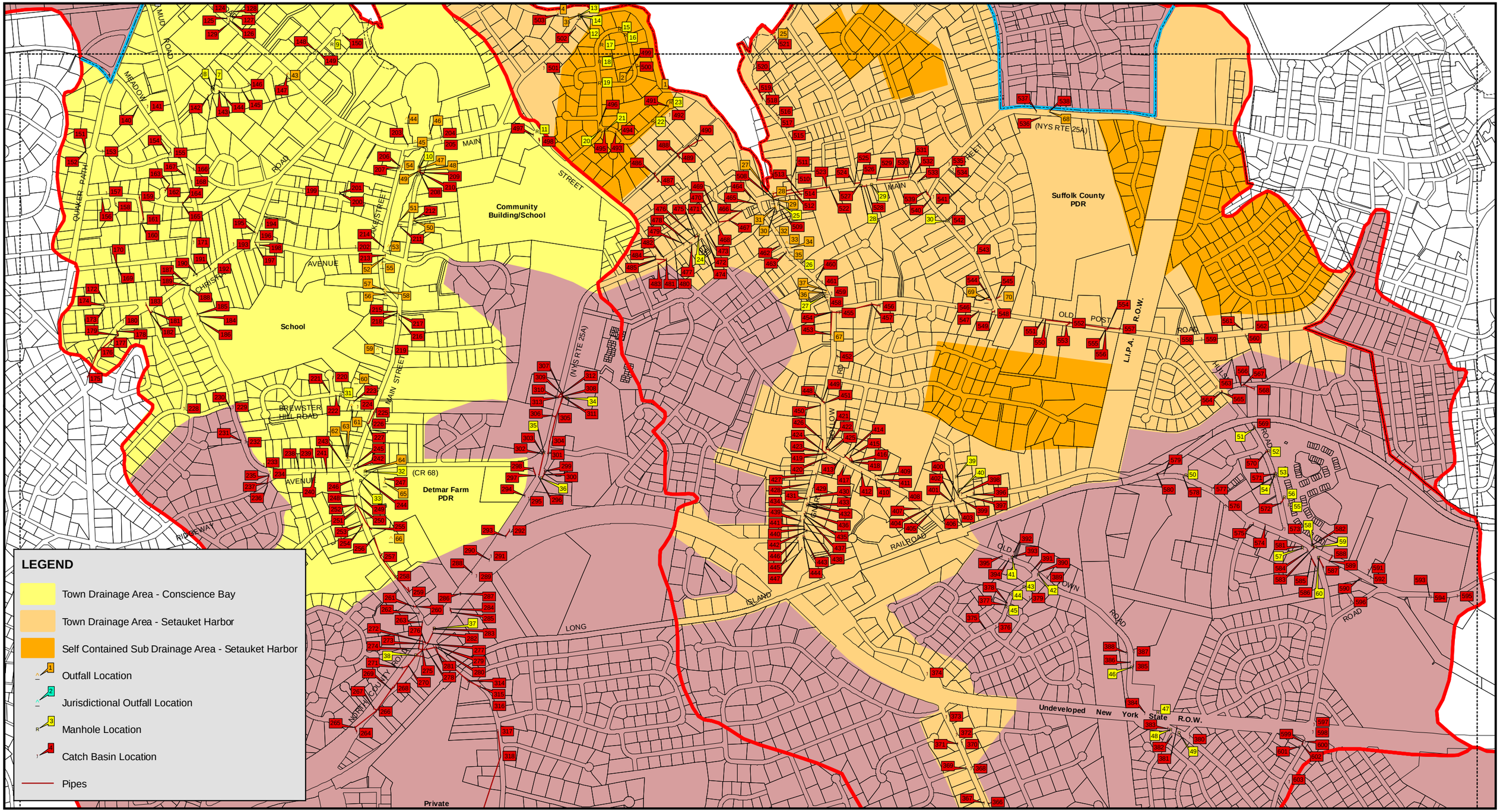
Conscience Bay and Setauket Harbor Watershed Plan

Drainage Structures 1

Map 5-1



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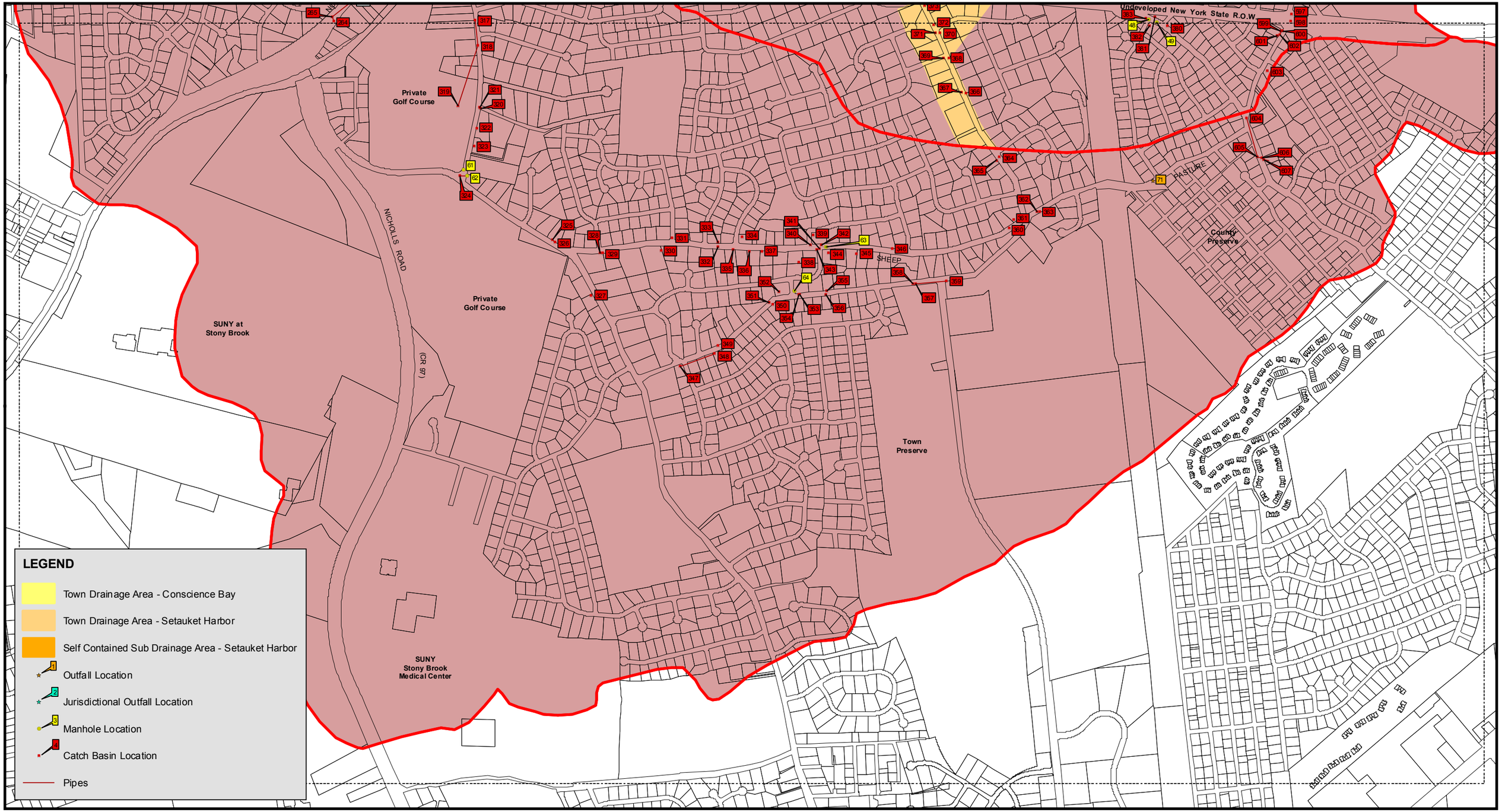
0 250 500 1,000 Feet

Conscience Bay and Setauket Harbor Watershed Plan

Drainage Structures 2

Map 5-2



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Conscience Bay and Setauket Harbor Watershed Plan

Drainage Structures 3

Map 5-3

Long Island Sound

Outfall 10 (Dyke Road)
Install ugradient leaching basins on Maple Road and Dyke Road or enlarge recharge basin to handle additional WQSE. Possible WQI at outfall.

Port Jefferson Harbor

Outfall 1 (View Road)
Investigate recharge basin capacity and overflow structure. Reconfigure system to contain WQSE and bypass larger storm events.

Outfall 25 (Shore Road & Bayview Road)
Install WQI at outfall and CBI in structures.

Outfall 41 (Old Field Road)
Install upgradient leaching basins on Quakers Path, Mud Road and Meadow Road. Work with Village of Old Field to improve outfall swale to provide additional filtering.

Outfall 27-29 (Main Street & NYS Route 25A)
Install WQI for outfalls 28 & 29.
Repipe outfall 27 to outfall 28 or 29 or install CBI.

Outfall 45 (Old Field Road)
Install WQI at outfall and/or upgradient leaching basins. Install catch basin inserts in structures

Outfall 32-35 (Gnarled Hollow Road)
Investigate town recharge basin for additional capacity. Install upgradient leaching basins and WQI for outfalls 33 & 35.

Outfall 47-51, 53 (Main Street)
Install curb on west side of Main Street and upgradient leaching basins and/or pipng to WQI.

Outfall 60 (Brewster Hill Road)
Investigate recharge basin capacity and WQSE containment. Reconfigure system to contain WQSE and bypass larger storm events.

Outfall 62 & 63 (Main Street & Ridgeway Avenue)
Investigate expansion of recharge basin on Covey Lane and on Ridgeway Avenue or install upgradient leaching basins on Ridgeway Avenue east of Main Street.

Outfall 64 (Main Street & Ridgeway Avenue)
Develop bioretention basin in right-of-way. Investigate property aquisition to enlarge proposed basin.

Develop watershed-wide
municipal good housekeeping operations

Identify watershed-wide
pollutant hot spots and control methods

Develop watershed-wide
municipal pollution prevention programs

Develop watershed-wide
community sewardship educational opportunities

LEGEND

- Watershed Boundary
- Jurisdictional Watershed Boundary
- Jurisdictional Boundary
- Town Drainage Area - Conscience Bay
- Town Drainage Area - Setauket Harbor
- Self Contained Sub Drainage Area - Setauket Harbor
- Outfall Location
- Jurisdictional Outfall Location

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0 1,000 2,000 4,000 Feet

Conscience Bay and Setauket Harbor Watershed Plan

Target Projects and Management Strategies

Map 6

Conscience Bay/ Setauket Harbor Stormwater Management Plan

APPENDIX A
GIS Data Collection Tables for Outfalls, Catch Basins, and Manholes

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

OUTFALLS
GIS Field Data Collection

CA_ID (Plan ID)	OT (GPS)	Photo 1	Photo2	Use	Bank	Size	Material	Shape	Condition	Odor	Submerged	Flow	Color	Turbidity	Floatables	Concerns	Restoration Potential	Impact Severity	Access	Feature Name	Datafile
1	1	\R031711A~files\Photo-695644.jpg	\R031711A~files\Photo-694645.jpg	Stormwater	Head		Asphalt	Open Channel	Other	No	No	Substantial	Clear	No	No	No	No			Outfall	R031711A.cor
2	2	\R031711A~files\Photo-704653.jpg	\R031711A~files\Photo-705654.jpg	Residential		4"	PVC	Circular	Good	No	No	No	Clear	No	No	No	Discharge Invest.			Outfall	R031711A.cor
3	3	\R031711A~files\Photo-711659.jpg	\R031711A~files\Photo-710660.jpg	Stormwater	Head	15"	Metal	Circular	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
4	4	\R031711A~files\Photo-724671.jpg	\R031711A~files\Photo-723672.jpg	Stormwater	Head	18"	Concrete	Circular	Broken Sect.	No	No	No	Clear	No	No	Wall Erosion	Repairs			Outfall	R031711A.cor
5	5	\R031711A~files\Photo-725673.jpg	\R031711A~files\Photo-726674.jpg	Stormwater	Head	18"	Concrete	Circular	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
6	6	\R031711A~files\Photo-731679.jpg	\R031711A~files\Photo-732680.jpg	Stormwater	Head		Unknown		Blocked	No	No	No	Clear	No	No	Sedimentation	Repairs			Outfall	R031711A.cor
7	7	\R031711A~files\Photo-733681.jpg	\R031711A~files\Photo-734682.jpg	Stormwater	Head		Earthen	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
8	8	\R031711A~files\Photo-736684.jpg	\R031711A~files\Photo-737685.jpg	Stormwater	Head		Earthen	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
9	9	\R031711A~files\Photo-738686.jpg	\R031711A~files\Photo-739687.jpg	Stormwater	Head		Earthen	Open Channel	Other	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
10	10	\R031711A~files\Photo-742690.jpg	\R031711A~files\Photo-743691.jpg	Stormwater	Head	36"	Metal	Circular	Corrosion	No	Partially	No	Clear	No	No	Wall Erosion	Repairs			Outfall	R031711A.cor
11	11	\R031711A~files\Photo-752700.jpg	\R031711A~files\Photo-754701.jpg	Residential	Head	4"	Other	Elliptical	Good	No	No	No	Clear	No	No	No	Discharge Invest.			Outfall	R031711A.cor
12	12	\R031711A~files\Photo-755702.jpg	\R031711A~files\Photo-756703.jpg	Stormwater	Head	18"	Metal	Circular	Good	No	No	No	Clear	No	No	Sedimentation	No			Outfall	R031711A.cor
13	13	\R031711A~files\Photo-768712.jpg	\R031711A~files\Photo-766713.jpg	Stormwater		30"	Concrete	Circular		No	No	No	Clear	No	No				Difficult	Outfall	R031711A.cor
14	14	\R031711A~files\Photo-784729.jpg	\R031711A~files\Photo-786730.jpg	Stormwater	Head	18"	Metal	Circular	Blocked	No	No	No	Clear	No	No	Other				Outfall	R031711A.cor
15	15	\R031711A~files\Photo-792736.jpg	\R031711A~files\Photo-793737.jpg	Stormwater	Head	24"	Metal	Elliptical	Corrosion	No	No	No	Clear	No	No	Wall Erosion	Repairs			Outfall	R031711A.cor
16	16	\R031711A~files\Photo-818760.jpg		Stormwater			Asphalt	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
17	17	\R031711A~files\Photo-834776.jpg	\R031711A~files\Photo-835777.jpg	Stormwater				Open Channel	Other	No	No	No	Clear	No	No	Bank Erosion	No			Outfall	R031711A.cor
18	18	\R031711A~files\Photo-837779.jpg	\R031711A~files\Photo-838780.jpg	Stormwater	Head		Earthen	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
19	19	\R031711A~files\Photo-859798.jpg	\R031711A~files\Photo-858799.jpg	Stormwater	Head	12"	Metal	Circular	Other	No	Full (Not Visib	No	Clear	No	No	No				Outfall	R031711A.cor
20	20	\R031711A~files\Photo-876814.jpg	\R031711A~files\Photo-877815.jpg	Stormwater			Asphalt	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
21	21	\R031711A~files\Photo-889826.jpg	\R031711A~files\Photo-888827.jpg	Stormwater		24"	Concrete	Circular	Corrosion	No	No	No	Clear	No	No	Wall Erosion	No			Outfall	R031711A.cor
22	22	\R031711A~files\Photo-894832.jpg		Residential		4"	PEP	Circular	Good	No	No	No	Clear	No	No	No	Discharge Invest.			Outfall	R031711A.cor
23	23	\R031711A~files\Photo-895833.jpg	\R031711A~files\Photo-896834.jpg	Residential		<4"	PVC	Circular	Good	No	No	No	Clear	No	No	No	Discharge Invest.			Outfall	R031711A.cor
24	24	\R031711A~files\Photo-898835.jpg	\R031711A~files\Photo-897836.jpg	Stormwater			Stone	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R031711A.cor
25	25	\R031711A~files\Photo-907845.jpg	\R031711A~files\Photo-908846.jpg	Stormwater	Head	12"	Metal	Circular	Blocked	No	Other	No	Clear	No	No	Wall Erosion	Repairs			Outfall	R031711A.cor
26	26	\R031711A~files\Photo-909847.jpg	\R031711A~files\Photo-910848.jpg	Stormwater		24"	Metal	Circular	Corrosion	No	Partially	Substantial	Clear	No	No	Wall Erosion	Retrofit			Outfall	R031711A.cor
27	1	\R031014A~files\Photo-647598.jpg	\R031014A~files\Photo-648599.jpg	Stormwater	Above		Metal	Other		No	No	No	Clear	No	No	Trash	No			Outfall	R031014A.cor
28	2	\R031014A~files\Photo-651602.jpg		Stormwater	Right	24"	Concrete	Circular		No	Partially	Moderate	Clear	No	No	No	No			Outfall	R031014A.cor
29	3	\R031014A~files\Photo-653604.jpg	\R031014A~files\Photo-654605.jpg	Stormwater	Left	18"	Concrete	Circular	Corrosion	No	No	Moderate	Clear	No	No	No	No			Outfall	R031014A.cor
30	4	\R031014A~files\Photo-655606.jpg	\R031014A~files\Photo-656607.jpg		Left	6"	PVC	Circular	Good	No	No	Trickle	Clear	No	No	No	No			Outfall	R031014A.cor
31	5	\R031014A~files\Photo-657608.jpg	\R031014A~files\Photo-658609.jpg	Stormwater	Right	4"	PVC	Circular	Good	No	No	Trickle	Clear	No	No	No	Discharge Invest.			Outfall	R031014A.cor
32	6	\R031014A~files\Photo-662613.jpg	\R031014A~files\Photo-663614.jpg	Stormwater	Left		Earthen	Open Channel		No	No	No	Clear	No	No	No	No			Outfall	R031014A.cor
33	7	\R031014A~files\Photo-664615.jpg	\R031014A~files\Photo-665616.jpg	Stormwater	Left	18"	Concrete	Circular	Broken Sect.	No	No	No	Clear	No	No	Bank Erosion	Stabilization			Outfall	R031014A.cor
34	8	\R031014A~files\Photo-667617.jpg	\R031014A~files\Photo-668618.jpg	Stormwater	Left	30"	Metal	Circular	Other	No	Partially	Moderate	Clear	No	No	Wall Erosion	Repairs			Outfall	R031014A.cor
35	9	\R031014A~files\Photo-666619.jpg		Stormwater	Left		Concrete	Open Channel	Cracked	No	No	No	Clear	No	No	Other	No			Outfall	R031014A.cor
36	10	\R031014A~files\Photo-674625.jpg	\R031014A~files\Photo-675626.jpg	Stormwater	Left	4"	PVC	Circular	Good	No	No	No	Clear	No	No	No	Discharge Invest.			Outfall	R031014A.cor
37	11	\R031014A~files\Photo-676627.jpg	\R031014A~files\Photo-677628.jpg	Stormwater	Left			Open Channel	Other	No	No	No	Clear	No	No	No	No			Outfall	R031014A.cor
38	1	\R030711B~files\Photo-509482.jpg	\R030711B~files\Photo-512483.jpg	Stormwater	Left		Earthen	Open Channel		No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
39	2	\R030711B~files\Photo-510484.jpg	\R030711B~files\Photo-511485.jpg	Stormwater	Left		Asphalt	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
40	3	\R030711B~files\Photo-514487.jpg	\R030711B~files\Photo-515488.jpg	Stormwater	Left			Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
41	4	\R030711B~files\Photo-518491.jpg	\R030711B~files\Photo-519492.jpg	Stormwater			Earthen	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
42	5	\R030711B~files\Photo-527500.jpg	\R030711B~files\Photo-526499.jpg	Stormwater	Left	36"	Concrete	Open Channel	Broken Sect.	No	No	No	Clear	No	No	Bank Erosion	Repairs			Outfall	R030711B.cor
43	6	\R030711B~files\Photo-537509.jpg	\R030711B~files\Photo-538510.jpg	Stormwater			Earthen	Open Channel	Other	No	No	No	Clear	No	No	Bank Erosion	No			Outfall	R030711B.cor
44	7	\R030711B~files\Photo-540511.jpg	\R030711B~files\Photo-541512.jpg		Left	6"	PVC	Circular	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
45	8	\R030711B~files\Photo-543513.jpg	\R030711B~files\Photo-544514.jpg	Stormwater	Left	24"	Concrete	Circular	Good	No	No	No	Clear	No	No	Sedimentation	No			Outfall	R030711B.cor
46	9	\R030711B~files\Photo-546515.jpg	\R030711B~files\Photo-549516.jpg	Stormwater	Right	24"	Concrete	Circular	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
47	10	\R030711B~files\Photo-552517.jpg	\R030711B~files\Photo-554518.jpg	Stormwater	Right	15"	Concrete	Circular	Good	No	Partially	No	Clear	No	No	No	No			Outfall	R030711B.cor
48	11	\R030711B~files\Photo-551519.jpg	\R030711B~files\Photo-555520.jpg	Stormwater	Right	60"	Concrete	Circular	Broken Sect.	No	No	No	Clear	No	No	Other	No			Outfall	R030711B.cor
49	12	\R030711B~files\Photo-558521.jpg	\R030711B~files\Photo-559522.jpg	Stormwater	Right		Concrete	Open Channel	Broken Sect.	No	No	No	Clear	No	No	Other	Repairs			Outfall	R030711B.cor
50	13	\R030711B~files\Photo-567529.jpg	\R030711B~files\Photo-566530.jpg	Stormwater	Right		Earthen	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
51	14	\R030711B~files\Photo-569531.jpg	\R030711B~files\Photo-570532.jpg	Stormwater	Right				Other	No	Full (Not Visib	No	Clear	No	No	Other	No			Outfall	R030711B.cor

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

OUTFALLS
GIS Field Data Collection

CA_ID (Plan ID)	OT (GPS)	Photo 1	Photo2	Use	Bank	Size	Material	Shape	Condition	Odor	Submerged	Flow	Color	Turbidity	Floatables	Concerns	Restoration Potential	Impact Severity	Access	Feature Name	Datafile
52	15	\R030711B~files\Photo-572534.jpg	\R030711B~files\Photo-573535.jpg	Stormwater	Left				Other	No	Full (Not Visib	No	Clear	No	No	Reg. Maint.	Repairs			Outfall	R030711B.cor
53	16	\R030711B~files\Photo-574536.jpg	\R030711B~files\Photo-577537.jpg	Stormwater	Left	10"	Metal	Circular	Good	No	No	Trickle	Clear	No	No	No	No			Outfall	R030711B.cor
54	17	\R030711B~files\Photo-581541.jpg	\R030711B~files\Photo-582542.jpg	Stormwater	Left	15"	Concrete	Circular	Corrosion	No	Partially	No	Clear	No	No	No	No			Outfall	R030711B.cor
55	18	\R030711B~files\Photo-586546.jpg	\R030711B~files\Photo-587547.jpg	Stormwater	Left		Earthen	Open Channel	Other	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
56	19	\R030711B~files\Photo-589548.jpg	\R030711B~files\Photo-590549.jpg	Stormwater	Left	15"	Concrete	Circular	Exposed Rebe	No	No	No	Clear	No	No	Other	No			Outfall	R030711B.cor
57	20	\R030711B~files\Photo-592550.jpg	\R030711B~files\Photo-593551.jpg	Stormwater	Left	18"	Metal	Circular	Good	No	No	Trickle	Clear	No	No	No	No			Outfall	R030711B.cor
58	21	\R030711B~files\Photo-594552.jpg	\R030711B~files\Photo-595553.jpg	Stormwater	Right		Earthen	Circular	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
59	22	\R030711B~files\Photo-602559.jpg	\R030711B~files\Photo-603560.jpg	Stormwater	Right	24"	Concrete	Circular	Blocked	No	Full (Visible)	No	Clear	No	No	Sedimentation	Repairs			Outfall	R030711B.cor
60	23	\R030711B~files\Photo-607561.jpg	\R030711B~files\Photo-606562.jpg	Stormwater	Right		Concrete	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
61	24	\R030711B~files\Photo-611565.jpg	\R030711B~files\Photo-612566.jpg	Stormwater	Right	4"	Metal	Circular	Good	No	No	Moderate	Clear	No	No	No	Discharge Invest.			Outfall	R030711B.cor
62	25	\R030711B~files\Photo-614567.jpg	\R030711B~files\Photo-615568.jpg	Stormwater	Right	36"	Concrete	Circular	Good	No	Partially	No	Clear	Slighty	No	No	No			Outfall	R030711B.cor
63	26	\R030711B~files\Photo-617569.jpg	\R030711B~files\Photo-619571.jpg	Stormwater	Head	30"	Concrete	Circular	Good	No	Partially	Trickle	Clear	Slighty	No	No	No			Outfall	R030711B.cor
64	27	\R030711B~files\Photo-627579.jpg	\R030711B~files\Photo-628580.jpg	Stormwater	Left	24"	Concrete	Circular	Good	No	Partially	No	Clear	No	No	No	No			Outfall	R030711B.cor
65	28	\R030711B~files\Photo-629581.jpg	\R030711B~files\Photo-630582.jpg	Other	Right	12"	Clay	Circular	Broken Sect.	No	No	No	Clear	No	No	Bank Erosion	No			Outfall	R030711B.cor
66	29	\R030711B~files\Photo-632584.jpg	\R030711B~files\Photo-633585.jpg	Stormwater	Head		Stone	Open Channel	Other	No	No	No	Clear	No	No	No	No			Outfall	R030711B.cor
67	3	R050111A~files\Photo-3064072.jpg		Residential		<4"	PVC	Circular	Good	No	No	Trickle	Brown	Cloudy	No	No	Discharge Invest.	Minor	Easy	Outfall	R050111A.cor
68	2	R050111A~files\Photo-2804046.jpg	R050111A~files\Photo-2814047.jpg	Stormwater			Asphalt	Open Channel	Good	No	No	No	Clear	No	No	No	No			Outfall	R050111A.cor
69	0																				
70	0																				
71	1	R050111A~files\Photo-1993967.jpg	R050111A~files\Photo-2003968.jpg	Stormwater			Other	Other	Erosion/Corro	No	No	No	Clear	No	No	No	Repairs			Outfall	R050111A.cor

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
1	R031711A~files\Photo-842782.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	95
2	R031711A~files\Photo-841783.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	96
3	R031711A~files\Photo-840784.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	97
4	R031711A~files\Photo-844786.jpg	Unknown	Full (Dry)	Curb Inlet	Single	Other	No	Catch_Ba	R031711A.cor	99
5	R031711A~files\Photo-843785.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	98
6	R031711A~files\Photo-846788.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	100
7	R031711A~files\Photo-848789.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	101
8	R031711A~files\Photo-847790.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	102
9	R031711A~files\Photo-849791.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	103
10	R031711A~files\Photo-850792.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	104
11	R031711A~files\Photo-853794.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	105
12	R031711A~files\Photo-855795.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R031711A.cor	106
13	R031711A~files\Photo-856796.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	107
14	R031711A~files\Photo-857797.jpg	No	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	108
15	R031711A~files\Photo-860800.jpg	Yes	Good	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	109
16	R031711A~files\Photo-861801.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	110
17	R031711A~files\Photo-862802.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	111
18	R031711A~files\Photo-865803.jpg	Yes	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	112
19	R031711A~files\Photo-864804.jpg	Yes	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	113
20	R031711A~files\Photo-863805.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	114
21	R031711A~files\Photo-866806.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	115
22	R031711A~files\Photo-867807.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	116
23	R031711A~files\Photo-868808.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R031711A.cor	117
24	R031711A~files\Photo-870809.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	118
25	R031711A~files\Photo-872810.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	119
26	R031711A~files\Photo-873811.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	120
27	R031711A~files\Photo-874812.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	121
28	R031711A~files\Photo-879817.jpg	No	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R031711A.cor	124
29	R031711A~files\Photo-880818.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	125
30	R031711A~files\Photo-878816.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	123
31	R031711A~files\Photo-875813.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	122
32	R031711A~files\Photo-839781.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	94
33	R031711A~files\Photo-836778.jpg	Yes	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	93
34	R031711A~files\Photo-827768.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	85
35	R031711A~files\Photo-826769.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	86
36	R031711A~files\Photo-829770.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	87
37	R031711A~files\Photo-828771.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	88
38	R031711A~files\Photo-831772.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	89
39	R031711A~files\Photo-830773.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	90
40	R031711A~files\Photo-832774.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	91
41	R031711A~files\Photo-833775.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	92
42	R031711A~files\Photo-825767.jpg	Yes	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	84
43	R031711A~files\Photo-819761.jpg	Yes	Good	Curb Box/ Grate	Single	Broken	No	Catch_Ba	R031711A.cor	78
44	R031711A~files\Photo-820762.jpg	Yes	Good	Curb Box/ Grate	Single	Broken	No	Catch_Ba	R031711A.cor	79
45	R031711A~files\Photo-821763.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	80
46	R031711A~files\Photo-822764.jpg	No	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R031711A.cor	81
47	R031711A~files\Photo-823765.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	82
48	R031711A~files\Photo-824766.jpg	Yes	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	83
49	R031711A~files\Photo-881819.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	126
50	R031711A~files\Photo-882820.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	127
51	R031711A~files\Photo-883821.jpg	Yes	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	128
52	R031711A~files\Photo-816755.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	73
53	R031711A~files\Photo-815756.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	74
54	R031711A~files\Photo-814757.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	75
55	R031711A~files\Photo-813758.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	76
56	R031711A~files\Photo-812759.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	77
57	R031711A~files\Photo-795738.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	59
58	R031711A~files\Photo-794739.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	60
59	R031711A~files\Photo-789733.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	57
60	R031711A~files\Photo-790734.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	58
61	R031711A~files\Photo-885822.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	129
62	R031711A~files\Photo-884823.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	130
63	R031711A~files\Photo-796740.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	61

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
64	R031711A~files\Photo-797741.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	62
65	R031711A~files\Photo-798742.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	63
66	R031711A~files\Photo-799743.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R031711A.cor	64
67	R031711A~files\Photo-800744.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	65
68	R031711A~files\Photo-803745.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	66
69	R031711A~files\Photo-802746.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	67
70	R031711A~files\Photo-811753.jpg	Unknown	Good	Curb Inlet	Single	Good	No	Catch_Ba	R031711A.cor	71
71	R031711A~files\Photo-810754.jpg	Unknown	Good	Curb Inlet	Single	Good	No	Catch_Ba	R031711A.cor	72
72	R031711A~files\Photo-809752.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Broken	No	Catch_Ba	R031711A.cor	70
73	R031711A~files\Photo-806749.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R031711A.cor	68
74	R031711A~files\Photo-807750.jpg	Unknown	Good	Curb Inlet	Single	Good	No	Catch_Ba	R031711A.cor	69
75	R031711A~files\Photo-893831.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Double	Good	No	Catch_Ba	R031711A.cor	135
76	R031711A~files\Photo-891829.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Double	Good	No	Catch_Ba	R031711A.cor	133
77	R031711A~files\Photo-892830.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Double	Good	No	Catch_Ba	R031711A.cor	134
78	R031711A~files\Photo-886824.jpg	Yes	Good	Curb Box/ Grate	Double	Other	No	Catch_Ba	R031711A.cor	131
79	R031711A~files\Photo-887825.jpg	Yes	Good	Curb Box/ Grate	Double	Other	No	Catch_Ba	R031711A.cor	132
80	R031711A~files\Photo-740688.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single		No	Catch_Ba	R031711A.cor	22
81	R031711A~files\Photo-741689.jpg	Unknown	Good	Curb Box/ Grate	Single	Corroded	No	Catch_Ba	R031711A.cor	23
82	R031711A~files\Photo-744692.jpg	Unknown	Other	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	24
83	R031711A~files\Photo-745693.jpg	Unknown	Other	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	25
84	R031711A~files\Photo-746694.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	26
85	R031711A~files\Photo-747695.jpg	Unknown	Good	Curb Box/ Grate	Single		No	Catch_Ba	R031711A.cor	27
86	R031711A~files\Photo-748696.jpg	Unknown	Good	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	28
87	R031711A~files\Photo-749697.jpg	Unknown		Curb Box/ Grate	Single	Corroded	No	Catch_Ba	R031711A.cor	29
88	R031711A~files\Photo-751698.jpg	Unknown		Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	30
89	R031711A~files\Photo-750699.jpg	Unknown	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	31
90	R031711A~files\Photo-761705.jpg	Unknown	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	33
91	R031711A~files\Photo-760706.jpg	No	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	34
92	R031711A~files\Photo-759707.jpg	Unknown		Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	35
93	R031711A~files\Photo-762708.jpg	Unknown	Good	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	36
94	R031711A~files\Photo-763709.jpg	No	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	37
95	R031711A~files\Photo-765710.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	38
96	R031711A~files\Photo-764711.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	39
97	R031711A~files\Photo-770714.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R031711A.cor	40
98	R031711A~files\Photo-769715.jpg	No	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	41
99	R031711A~files\Photo-774716.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	42
100	R031711A~files\Photo-773717.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	43
101	R031711A~files\Photo-772718.jpg	Unknown		Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	44
102	R031711A~files\Photo-771719.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	45
103	R031711A~files\Photo-775720.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	46
104	R031711A~files\Photo-776721.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	47
105	R031711A~files\Photo-777722.jpg	Unknown		Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	48
106	R031711A~files\Photo-778723.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	49
107	R031711A~files\Photo-779724.jpg	Unknown		Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	50
108	R031711A~files\Photo-780725.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	51
109	R031711A~files\Photo-758704.jpg	Unknown	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	32
110	R031711A~files\Photo-783727.jpg	Unknown	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	53
111	R031711A~files\Photo-785728.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Collapsing	No	Catch_Ba	R031711A.cor	54
112	R031711A~files\Photo-787731.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	55
113	R031711A~files\Photo-788732.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	56
114	R031711A~files\Photo-782726.jpg	Unknown		Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	52
115	R031711A~files\Photo-735683.jpg	Unknown	Full (Wet)	Grate	Single	Other	No	Catch_Ba	R031711A.cor	21
116	R030711B~files\Photo-513486.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	1
117	R030711B~files\Photo-517490.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	2
118	R030711B~files\Photo-520495.jpg	Yes	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	3
119	R042511A~files\Photo-0033781.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	48
120	R042511A~files\Photo-0043782.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	49
121	R042511A~files\Photo-0053783.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	50
122	R042511A~files\Photo-0063784.jpg	Yes	Unknown	Grate	Single	Good	No	Catch_Ba	R042511A.cor	51
123	R042511A~files\Photo-0073785.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	52
124	R042511A~files\Photo-0083786.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	53
125	R042511A~files\Photo-0093787.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	54
126	R042511A~files\Photo-0103788.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R042511A.cor	55

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
127	R042511A~files\Photo-0113789.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	56
128	R042511A~files\Photo-0123790.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	57
129	R042511A~files\Photo-0143791.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	58
130	LR030711B~files\Photo-533504.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	11
131	LR030711B~files\Photo-532505.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	12
132	LR030711B~files\Photo-534506.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	13
133	LR030711B~files\Photo-530502.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	9
134	LR030711B~files\Photo-529503.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	10
135	LR030711B~files\Photo-528501.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	8
136	LR030711B~files\Photo-521493.jpg	Yes	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	4
137	LR030711B~files\Photo-522494.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	5
138	LR030711B~files\Photo-523496.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	6
139	LR030711B~files\Photo-524497.jpg	No	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	7
140	R042511A~files\Photo-0013779.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	46
141	R042511A~files\Photo-0023780.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	47
142	R042511A~files\Photo-0183795.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042511A.cor	62
143	R042511A~files\Photo-0173794.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042511A.cor	61
144	R042511A~files\Photo-0213798.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042511A.cor	63
145	R042511A~files\Photo-0153792.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042511A.cor	59
146	R042511A~files\Photo-0163793.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042511A.cor	60
147	LR030711B~files\Photo-539508.jpg	Unknown	Other	Curb Box/ Grate	Single	Other	No	Catch_Ba	R030711B.cor	17
148		No	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	15
149		Yes		Grate	Single	Good	No	Catch_Ba	R030711B.cor	16
150	LR030711B~files\Photo-535507.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	14
151	R042511A~files\Photo-9953774.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	41
152	R042511A~files\Photo-9963775.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	42
153	R042511A~files\Photo-9973776.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	43
154	R042511A~files\Photo-9983777.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	44
155	R042511A~files\Photo-9993778.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	45
156	R042511A~files\Photo-9933772.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	39
157	R042511A~files\Photo-9943773.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	40
158	R042511A~files\Photo-9923771.jpg	Yes	Unknown	Grate	Single	Good	No	Catch_Ba	R042511A.cor	38
159	R042511A~files\Photo-9883767.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	35
160	R042511A~files\Photo-9893768.jpg	Yes	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	36
161	R042511A~files\Photo-9903769.jpg	Yes	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	37
162	R042511A~files\Photo-9863765.jpg	Yes	Unknown	Grate	Single	Good	No	Catch_Ba	R042511A.cor	33
163	R042511A~files\Photo-9873766.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	34
164	R042511A~files\Photo-9833762.jpg	Unknown	Unknown	Grate	Single	Corroded	No	Catch_Ba	R042511A.cor	31
165	R042511A~files\Photo-9843763.jpg	Unknown	Full (Dry)	Grate	Single	Corroded	No	Catch_Ba	R042511A.cor	32
166	R042511A~files\Photo-0233799.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	64
167	R042511A~files\Photo-0243800.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	65
168	R042511A~files\Photo-0253801.jpg	Unknown	Part (Dry)	Grate	Single	Corroded	No	Catch_Ba	R042511A.cor	66
169	R042511A~files\Photo-9763755.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	25
170	R042511A~files\Photo-9783757.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	26
171	R042511A~files\Photo-9823761.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	30
172	R042511A~files\Photo-9733752.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042511A.cor	22
173	R042511A~files\Photo-9743753.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042511A.cor	23
174	R042511A~files\Photo-9753754.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	24
175	R042511A~files\Photo-9723751.jpg	No	Part (Dry)	Grate	Single	Corroded	No	Catch_Ba	R042511A.cor	21
176	R042511A~files\Photo-9713750.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	20
177	R042511A~files\Photo-9693748.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	19
178	R042511A~files\Photo-9683747.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	18
179	R042511A~files\Photo-9673746.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	17
180	R042511A~files\Photo-9663745.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	16
181	R042511A~files\Photo-9633742.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	13
182	R042511A~files\Photo-9643743.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	14
183	R042511A~files\Photo-9653744.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	15
184	R042511A~files\Photo-0403815.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	80
185	R042511A~files\Photo-0413816.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	81
186	R042511A~files\Photo-0423817.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	82
187	R042511A~files\Photo-9793758.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R042511A.cor	27
188	R042511A~files\Photo-9803759.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	28
189	R042511A~files\Photo-9813760.jpg	Unknown	Unknown	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R042511A.cor	29

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
190	R042511A~files\Photo-0363811.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	76
191	R042511A~files\Photo-0343810.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	75
192	R042511A~files\Photo-0373812.jpg	Yes	Unknown	Grate	Single	Good	No	Catch_Ba	R042511A.cor	77
193	R042511A~files\Photo-0333809.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	74
194	R042511A~files\Photo-0293805.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	70
195	R042511A~files\Photo-0303806.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	71
196	R042511A~files\Photo-0313807.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	72
197	R042511A~files\Photo-0323808.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	73
198	R042511A~files\Photo-0383813.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	78
199	R042511A~files\Photo-0263802.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	67
200	R042511A~files\Photo-0273803.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	68
201	R042511A~files\Photo-0283804.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	69
202	R042511A~files\Photo-0393814.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	79
203	R030711B~files\Photo-583543.jpg	No	Collapsing	Curb Inlet	Single	Good	No	Catch_Ba	R030711B.cor	27
204	R030711B~files\Photo-584544.jpg	Unknown	Good	Curb Inlet	Single	Good	No	Catch_Ba	R030711B.cor	28
205	R030711B~files\Photo-585545.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	29
206	R030711B~files\Photo-579540.jpg	Unknown	Other	Grate	Single	Other	No	Catch_Ba	R030711B.cor	25
207	R030711B~files\Photo-580539.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	26
208	R030711B~files\Photo-557523.jpg	Unknown	Good	Curb Inlet	Single	Corroded	No	Catch_Ba	R030711B.cor	18
209	R030711B~files\Photo-561524.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	19
210	R030711B~files\Photo-562525.jpg	Unknown	Good	Curb Inlet	Single	Good	No	Catch_Ba	R030711B.cor	20
211	R030711B~files\Photo-564527.jpg	Unknown	Good	Curb Inlet	Single		No	Catch_Ba	R030711B.cor	21
212	R030711B~files\Photo-565528.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single		No	Catch_Ba	R030711B.cor	22
213	R030711B~files\Photo-571533.jpg	Unknown	Good	Grate	Single	Corroded	No	Catch_Ba	R030711B.cor	23
214	R030711B~files\Photo-578538.jpg	Unknown	Other	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	24
215	R030711B~files\Photo-596554.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	30
218	R030711B~files\Photo-599555.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	31
217	R030711B~files\Photo-597556.jpg	Unknown	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	32
218	R030711B~files\Photo-600557.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single		No	Catch_Ba	R030711B.cor	33
219	R030711B~files\Photo-601558.jpg	Unknown	Other	Curb Box/ Grate	Single	Other	No	Catch_Ba	R030711B.cor	34
220	R042911A~files\Photo-0483823.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	3
221	R042911A~files\Photo-0473822.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	2
222	R042911A~files\Photo-0453820.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	1
223	R030711B~files\Photo-608563.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Double	Good	No	Catch_Ba	R030711B.cor	35
224	R030711B~files\Photo-610564.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Double	Good	No	Catch_Ba	R030711B.cor	36
225	R030711B~files\Photo-645597.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	54
226	R030711B~files\Photo-643595.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	52
227	R030711B~files\Photo-644596.jpg	Unknown	Other	Grate	Single	Corroded	No	Catch_Ba	R030711B.cor	53
228	R042511A~files\Photo-9623741.jpg	Yes	Good	Grate	Single	Good	No	Catch_Ba	R042511A.cor	12
229	R042511A~files\Photo-9613740.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	11
230	R042511A~files\Photo-0433818.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	83
231	R042511A~files\Photo-9603739.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	10
232	R042511A~files\Photo-0443819.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	84
233	R042511A~files\Photo-9553734.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	5
234	R042511A~files\Photo-9563735.jpg	Yes	Unknown	Grate	Single	Good	No	Catch_Ba	R042511A.cor	6
235	R042511A~files\Photo-9573736.jpg	Yes	Unknown	Grate	Single	Good	No	Catch_Ba	R042511A.cor	7
236	R042511A~files\Photo-9583737.jpg	Unknown	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R042511A.cor	8
237	R042511A~files\Photo-9593738.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	9
238	R042511A~files\Photo-9543733.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	4
239	R042511A~files\Photo-9523731.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	2
240	R042511A~files\Photo-9533732.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	3
241	R042511A~files\Photo-9513730.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042511A.cor	1
242	R030711B~files\Photo-620572.jpg	Unknown		Curb Box/ Grate	Single		No	Catch_Ba	R030711B.cor	37
243	R030711B~files\Photo-621573.jpg	Unknown		Grate	Single	Good	No	Catch_Ba	R030711B.cor	38
244	R030711B~files\Photo-622574.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	39
245	R030711B~files\Photo-623575.jpg	Unknown	Good	Curb Box/ Grate	Single	Other	No	Catch_Ba	R030711B.cor	40
246	R030711B~files\Photo-624576.jpg	Unknown		Grate	Single	Good	No	Catch_Ba	R030711B.cor	41
247	R030711B~files\Photo-631583.jpg	No	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	42
248	R030711B~files\Photo-641593.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	50
249	R030711B~files\Photo-642594.jpg	Unknown	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	51
250	R030711B~files\Photo-638590.jpg	Unknown		Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	47
251	R030711B~files\Photo-639591.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	48
252	R030711B~files\Photo-640592.jpg	No	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	49

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
253	LR030711B~files\Photo-637589.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R030711B.cor	46
254	LR030711B~files\Photo-636588.jpg	No	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	45
255	LR030711B~files\Photo-635587.jpg	No	Good	Grate	Single	Good	No	Catch_Ba	R030711B.cor	44
256	LR030711B~files\Photo-634586.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R030711B.cor	43
257	R042911A~files\Photo-1163890.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	64
258	R042911A~files\Photo-1153889.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	63
259	R042911A~files\Photo-1143888.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	62
260	R042911A~files\Photo-1123886.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	60
261	R042911A~files\Photo-1133887.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	61
262	R042911A~files\Photo-1113885.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	59
263	R042911A~files\Photo-1173891.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	65
264	R042911A~files\Photo-1303904.jpg	Unknown	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	76
265	R042911A~files\Photo-1313905.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	77
266	R042911A~files\Photo-1293903.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	75
267	R042911A~files\Photo-1323906.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	78
268	R042911A~files\Photo-1283902.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	74
269	R042911A~files\Photo-1333907.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	79
270	R042911A~files\Photo-1263900.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	72
271	R042911A~files\Photo-1273901.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	73
272	R042911A~files\Photo-1183892.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	66
273	R042911A~files\Photo-1193893.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	67
274	R042911A~files\Photo-1203894.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	68
275	R042911A~files\Photo-1213895.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	69
276	R042911A~files\Photo-1223896.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	70
277	R042911A~files\Photo-1233897.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	71
278	R042911A~files\Photo-1363910.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	82
279	R042911A~files\Photo-1343908.jpg	Unknown	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	80
280	R042911A~files\Photo-1353909.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	81
281	R042911A~files\Photo-1373911.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	83
282	R042911A~files\Photo-1083882.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	57
283	R042911A~files\Photo-1093883.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	58
284	R042911A~files\Photo-1063880.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	55
285	R042911A~files\Photo-1073881.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	56
286	R042911A~files\Photo-1043878.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	53
287	R042911A~files\Photo-1053879.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	54
288	R042911A~files\Photo-1023876.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	51
289	R042911A~files\Photo-1033877.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	52
290	R042911A~files\Photo-1003874.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	49
291	R042911A~files\Photo-1013875.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	50
292	R042911A~files\Photo-0983872.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	47
293	R042911A~files\Photo-0993873.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	48
294	R042911A~files\Photo-0963870.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	45
295	R042911A~files\Photo-0973871.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	46
296	R042911A~files\Photo-0903864.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	40
297	R042911A~files\Photo-0943868.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	43
298	R042911A~files\Photo-0953869.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	44
299	R042911A~files\Photo-0913865.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	41
300	R042911A~files\Photo-0923866.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	42
301	R042911A~files\Photo-0853859.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	36
302	R042911A~files\Photo-0863860.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	37
303	R042911A~files\Photo-0883862.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	38
304	R042911A~files\Photo-0833858.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	35
305	R042911A~files\Photo-0823857.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	34
306	R042911A~files\Photo-0893863.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	39
307	R042911A~files\Photo-0743849.jpg	No	Good	Grate	Single	Good	No	Catch_Ba	R042911A.cor	27
308	R042911A~files\Photo-0753850.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	28
309	R042911A~files\Photo-0763851.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	29
310	R042911A~files\Photo-0773852.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	30
311	R042911A~files\Photo-0793854.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	31
312	R042911A~files\Photo-0803855.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	32
313	R042911A~files\Photo-0813856.jpg	No	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	33
314	R042911A~files\Photo-1383912.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	84
315	R042911A~files\Photo-1393913.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	85

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
316	R042911A~files\Photo-1403914.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	86
317	R042911A~files\Photo-1413915.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	87
318	R042911A~files\Photo-1423916.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	88
319	R042911A~files\Photo-1433917.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R042911A.cor	89
320	R042911A~files\Photo-1443918.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R042911A.cor	90
321	R042911A~files\Photo-1453919.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	91
322	R042911A~files\Photo-1463920.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	92
323	R042911A~files\Photo-1483921.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	93
324	R042911A~files\Photo-1533923.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	94
325	R042911A~files\Photo-1563925.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	95
326	R042911A~files\Photo-1573926.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	96
327	R042911A~files\Photo-1583927.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	97
328	R042911A~files\Photo-1943963.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	131
329	R042911A~files\Photo-1953964.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	132
330	R042911A~files\Photo-1933962.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	130
331	R042911A~files\Photo-1923961.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	129
332	R042911A~files\Photo-1903959.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	127
333	R042911A~files\Photo-1913960.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	128
334	R042911A~files\Photo-1883957.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	125
335	R042911A~files\Photo-1893958.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	126
336	R042911A~files\Photo-1873956.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	124
337	R042911A~files\Photo-1863955.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	123
338	R042911A~files\Photo-1853954.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	122
339	R042911A~files\Photo-1823951.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Triple	Good	No	Catch_Ba	R042911A.cor	119
340	R042911A~files\Photo-1843953.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	121
341	R042911A~files\Photo-1793948.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	117
342	R042911A~files\Photo-1813950.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	118
343	R042911A~files\Photo-1833952.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	120
344	R042911A~files\Photo-1783947.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	116
345	R042911A~files\Photo-1773946.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	115
346	R042911A~files\Photo-1763945.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	114
347	R042911A~files\Photo-1593928.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	98
348	R042911A~files\Photo-1603929.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R042911A.cor	99
349	R042911A~files\Photo-1613930.jpg	Unknown	Full (Wet)		Single	Good	No	Catch_Ba	R042911A.cor	100
350	R042911A~files\Photo-1623931.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	101
351	R042911A~files\Photo-1633932.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	102
352	R042911A~files\Photo-1643933.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	103
353	R042911A~files\Photo-1653934.jpg	Yes	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	104
354	R042911A~files\Photo-1663935.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	105
355	R042911A~files\Photo-1683937.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	106
356	R042911A~files\Photo-1693938.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	107
357	R042911A~files\Photo-1703939.jpg	Unknown	Unknown	Grate	Single	Other	No	Catch_Ba	R042911A.cor	108
358	R042911A~files\Photo-1713940.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	109
359	R042911A~files\Photo-1723941.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	110
360	R042911A~files\Photo-1753944.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	113
361	R042911A~files\Photo-1743943.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	112
362	R050111A~files\Photo-1963965.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	1
363	R050111A~files\Photo-1973966.jpg	Unknown	Full (Dry)	Grate	Single	Corroded	No	Catch_Ba	R050111A.cor	2
364	R050212A~files\Photo-3844148.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	57
365	R050212A~files\Photo-3854149.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R050212A.cor	58
366	R050212A~files\Photo-3864150.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	59
367	R050212A~files\Photo-3874151.jpg	Unknown	Unknown	Grate	Single	Other	No	Catch_Ba	R050212A.cor	60
368	R050212A~files\Photo-3884152.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	61
369	R050212A~files\Photo-3894153.jpg	Unknown	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	62
370	R050212A~files\Photo-3904154.jpg	Unknown	Full (Wet)	Grate	Single	Other	No	Catch_Ba	R050212A.cor	63
371	R050212A~files\Photo-3914155.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	64
372	R050212A~files\Photo-3924156.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	65
373	R050212A~files\Photo-3944157.jpg	Unknown	Unknown	Grate	Single	Broken	No	Catch_Ba	R050212A.cor	66
374	R050212A~files\Photo-3954158.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Double	Collapsing	No	Catch_Ba	R050212A.cor	67
375	R050212A~files\Photo-3594123.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Other	No	Catch_Ba	R050212A.cor	39
376	R050212A~files\Photo-3584122.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	38
377	R050212A~files\Photo-3554119.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	36
378	R050212A~files\Photo-3564120.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	37

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
379	R050212A~files\Photo-3514115.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	33
380	R050212A~files\Photo-3744138.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	48
381	R050212A~files\Photo-3724136.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	47
382	R050212A~files\Photo-3694133.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	45
383	R050212A~files\Photo-3714135.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	46
384	R050212A~files\Photo-3684132.jpg	Unknown	Unknown	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050212A.cor	44
385	R050212A~files\Photo-3644128.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	42
386	R050212A~files\Photo-3654129.jpg	Unknown	Unknown		Single	Good	No	Catch_Ba	R050212A.cor	43
387	R050212A~files\Photo-3624126.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	40
388	R050212A~files\Photo-3634127.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	41
389	R050212A~files\Photo-3534117.jpg	Unknown	Unknown	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	34
390	R050212A~files\Photo-3544118.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	35
391	R050212A~files\Photo-3504114.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	32
392	R050212A~files\Photo-3484111.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	29
393	R050212A~files\Photo-3494113.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	31
394	R050212A~files\Photo-3474112.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	30
395	R050212A~files\Photo-3454109.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050212A.cor	28
396	R050212A~files\Photo-3444108.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	27
397	R050212A~files\Photo-3374101.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	22
398	R050212A~files\Photo-3384102.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	23
399	R050212A~files\Photo-3394103.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R050212A.cor	24
400	R050212A~files\Photo-3404104.jpg	Unknown	Unknown	Curb Inlet	Single	Good	No	Catch_Ba	R050212A.cor	25
401	R050212A~files\Photo-3354099.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	20
402	R050212A~files\Photo-3364100.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	21
403	R050212A~files\Photo-3414105.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	26
404	R050212A~files\Photo-3324096.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	17
405	R050212A~files\Photo-3334097.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	18
406	R050212A~files\Photo-3344098.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	19
407	R050212A~files\Photo-3314095.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	16
408	R050212A~files\Photo-3304094.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	15
409	R050212A~files\Photo-3274090.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	11
410	R050212A~files\Photo-3284092.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	13
411	R050212A~files\Photo-3294093.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	14
412	R050212A~files\Photo-3244091.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	12
413	R050212A~files\Photo-3194084.jpg	Unknown	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	5
414	R050212A~files\Photo-3204085.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	6
415	R050212A~files\Photo-3224086.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	7
416	R050212A~files\Photo-3214087.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	8
417	R050212A~files\Photo-3234088.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	9
418	R050212A~files\Photo-3264089.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	10
419	R050212A~files\Photo-3184083.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	4
420	R050111A~files\Photo-3164082.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	94
421	R050212A~files\Photo-3134078.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	1
422	R050212A~files\Photo-3164081.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	2
423	R050111A~files\Photo-3144080.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	92
424	R050111A~files\Photo-3154081.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	93
425		Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	95
426	R050111A~files\Photo-3134079.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	91
427	R050212A~files\Photo-4164179.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	88
428	R050212A~files\Photo-4154178.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	87
429	R050212A~files\Photo-4144177.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	86
430	R050212A~files\Photo-4074170.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	79
431	R050212A~files\Photo-4084171.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	80
432	R050212A~files\Photo-4064169.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	76
433	R050212A~files\Photo-4094172.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	81
434	R050212A~files\Photo-4044167.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	76
435	R050212A~files\Photo-4054168.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	77
436	R050212A~files\Photo-4104173.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	82
437	R050212A~files\Photo-4114174.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	83
438	R050212A~files\Photo-4024165.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	74
439	R050212A~files\Photo-4034166.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	75
440	R050212A~files\Photo-4124175.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	84
441	R050212A~files\Photo-4134176.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	85

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
442	R050212A~files\Photo-4014164.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	73
443	R050212A~files\Photo-3994162.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	71
444	R050212A~files\Photo-4004163.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	72
445	R050212A~files\Photo-3974160.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	69
446	R050212A~files\Photo-3984161.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	70
447	R050212A~files\Photo-3964159.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	68
448	R050111A~files\Photo-3084074.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	86
449	R050111A~files\Photo-3094075.jpg	No	Unknown	Grate	Single	Collapsing	No	Catch_Ba	R050111A.cor	87
450	R050111A~files\Photo-3104076.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	88
451	R050111A~files\Photo-3114077.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	89
452	R050111A~files\Photo-3074073.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	85
453	R050111A~files\Photo-3054071.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	84
454	R050111A~files\Photo-3034070.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	83
455	R031014A~files\Photo-680631.jpg	Unknown		Grate	Single	Good	No	Catch_Ba	R031014A.cor	11
456	R050111A~files\Photo-3004067.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	80
457	R031014A~files\Photo-682632.jpg	No	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031014A.cor	12
458	R031014A~files\Photo-679630.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031014A.cor	10
459	R031014A~files\Photo-684634.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R031014A.cor	13
460	R031014A~files\Photo-671622.jpg	No	Good	Grate	Single	Good	No	Catch_Ba	R031014A.cor	8
461	R031014A~files\Photo-673624.jpg	No	Other	Grate	Single	Good	No	Catch_Ba	R031014A.cor	9
462	R031014A~files\Photo-669620.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031014A.cor	6
463	R031014A~files\Photo-670621.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031014A.cor	7
464	R042911A~files\Photo-0613836.jpg	No	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	15
465	R031014A~files\Photo-661612.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031014A.cor	5
466	R042911A~files\Photo-0603835.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	14
467	R042911A~files\Photo-0593834.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	13
468	R042911A~files\Photo-0583833.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	12
469	R042911A~files\Photo-0623837.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	16
470	R042911A~files\Photo-0633838.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	17
471	R042911A~files\Photo-0643839.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	18
472	R042911A~files\Photo-0573832.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	11
473	R042911A~files\Photo-0653840.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	19
474	R042911A~files\Photo-0563831.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	10
475	R042911A~files\Photo-0663841.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	20
476	R042911A~files\Photo-0683843.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	21
477	R042911A~files\Photo-0543829.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	8
478	R042911A~files\Photo-0553830.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	9
479	R042911A~files\Photo-0693844.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	22
480	R042911A~files\Photo-0703845.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	23
481	R042911A~files\Photo-0533828.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	7
482	R042911A~files\Photo-0713846.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	24
483	R042911A~files\Photo-0523827.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	6
484	R042911A~files\Photo-0723847.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	25
485	R042911A~files\Photo-0733848.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	26
486	R031711A~files\Photo-687637.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	1
487	R031711A~files\Photo-688638.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	2
488	R031711A~files\Photo-689639.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	3
489	R031711A~files\Photo-690640.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	4
490	R031711A~files\Photo-691641.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Double	Good	No	Catch_Ba	R031711A.cor	5
491	R031711A~files\Photo-693642.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	6
492	R031711A~files\Photo-692643.jpg	No	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	7
493	R031711A~files\Photo-699648.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Double	Good	No	Catch_Ba	R031711A.cor	8
494	R031711A~files\Photo-700649.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	9
495	R031711A~files\Photo-702651.jpg	Yes	Other	Grate	Single	Good	No	Catch_Ba	R031711A.cor	10
496	R031711A~files\Photo-717666.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Double	Other	No	Catch_Ba	R031711A.cor	13
497	R042911A~files\Photo-0493824.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R042911A.cor	4
498	R042911A~files\Photo-0503825.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R042911A.cor	5
499	R031711A~files\Photo-703652.jpg	Unknown		Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	11
500	R031711A~files\Photo-706655.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	12
501	R031711A~files\Photo-719668.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	14
502	R031711A~files\Photo-720669.jpg	Unknown	Damaged	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	15
503	R031711A~files\Photo-722670.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	16
504	R031711A~files\Photo-727675.jpg	Unknown	Full (Dry)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	17

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
505	R031711A~files\Photo-728676.jpg	Unknown		Curb Box/ Grate	Single	Other	No	Catch_Ba	R031711A.cor	18
506	R031711A~files\Photo-729677.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	19
507	R031711A~files\Photo-730678.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	20
508	R031014A~files\Photo-652603.jpg	Unknown	Good	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031014A.cor	3
509	R031014A~files\Photo-659610.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R031014A.cor	4
510	R031014A~files\Photo-685635.jpg	Unknown	Full (Wet)	Grate	Single	Other	No	Catch_Ba	R031014A.cor	14
511	R031014A~files\Photo-686636.jpg	No	Full (Wet)	Grate	Single	Other	No	Catch_Ba	R031014A.cor	15
512	R031014A~files\Photo-650601.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R031014A.cor	2
513	R050111A~files\Photo-2994066.jpg	No	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	79
514	R031014A~files\Photo-649600.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031014A.cor	1
515	R031711A~files\Photo-903841.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	139
516	R031711A~files\Photo-902840.jpg	Unknown	Full (Wet)	Grate	Single	Corroded	No	Catch_Ba	R031711A.cor	138
517	R031711A~files\Photo-904842.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	140
518	R031711A~files\Photo-901839.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	137
519	R031711A~files\Photo-899837.jpg	No	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R031711A.cor	136
520	R031711A~files\Photo-905843.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R031711A.cor	141
521	R031711A~files\Photo-906844.jpg	Unknown	Full (Wet)	Curb Box/ Grate	Single	Good	No	Catch_Ba	R031711A.cor	142
522	R050111A~files\Photo-2974064.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	77
523	R050111A~files\Photo-2984065.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	78
524	R050111A~files\Photo-2934059.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	74
525	R050111A~files\Photo-2954062.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	75
526	R050111A~files\Photo-2914057.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	73
527	R050111A~files\Photo-2964063.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	76
528	R050111A~files\Photo-2894055.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	72
529	R050111A~files\Photo-2884054.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	71
530	R050111A~files\Photo-2874053.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	70
531	R050111A~files\Photo-2854051.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	68
532	R050111A~files\Photo-2864052.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	69
533	R050111A~files\Photo-2774043.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	62
534	R050111A~files\Photo-2784044.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	63
535	R050111A~files\Photo-2844050.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	67
536	R050111A~files\Photo-2794045.jpg	Unknown	Part (Wet)	Grate	Single	Other	No	Catch_Ba	R050111A.cor	64
537	R050111A~files\Photo-2834049.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	66
538	R050111A~files\Photo-2824048.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	65
539	R050111A~files\Photo-2754041.jpg	No	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	60
540	R050111A~files\Photo-2744040.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	59
541	R050111A~files\Photo-2764042.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	61
542	R050111A~files\Photo-2724038.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	58
543	R050111A~files\Photo-2714037.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	57
544	R050111A~files\Photo-2674033.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	55
545	R050111A~files\Photo-2704036.jpg	No	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	56
546	R050111A~files\Photo-3014068.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	81
547	R050111A~files\Photo-3024069.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	82
548	R050111A~files\Photo-2634029.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	53
549	R050111A~files\Photo-2664032.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	54
550	R050111A~files\Photo-2614027.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	51
551	R050111A~files\Photo-2624028.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	52
552	R050111A~files\Photo-2594025.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	49
553	R050111A~files\Photo-2604026.jpg	Unknown	Unknown	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	50
554	R050111A~files\Photo-2554022.jpg	No	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	46
555	R050111A~files\Photo-2574023.jpg	Unknown	Unknown	Grate	Single	Good	No	Catch_Ba	R050111A.cor	47
556	R050111A~files\Photo-2584024.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	48
557	R050111A~files\Photo-2544021.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	45
558	R050111A~files\Photo-2494016.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050111A.cor	40
559	R050111A~files\Photo-2504017.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	41
560	R050111A~files\Photo-2514018.jpg	Unknown	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	42
561	R050111A~files\Photo-2534020.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	44
562	R050111A~files\Photo-2524019.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	43
563	R050111A~files\Photo-2484015.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	39
564	R050111A~files\Photo-2464013.jpg	Unknown	Full (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	37
565	R050111A~files\Photo-2474014.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Broken	No	Catch_Ba	R050111A.cor	38
566	R050111A~files\Photo-2434010.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050111A.cor	34
567	R050111A~files\Photo-2444011.jpg	No	Part (Wet)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050111A.cor	35

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Catch Basins (Leaching and Non-leaching)
GIS Field Data Collection

CA ID (Plan ID)	Photo	Leaching	Condition	Casting Type	Size of Casting	Casting Condition	Odor	Feature Name	Datafile	CB GPS ID
568	R050111A~files\Photo-2454012.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	36
569	R050111A~files\Photo-2404008.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	33
570	R050111A~files\Photo-2384006.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	32
571	R050111A~files\Photo-2354003.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	31
572	R050111A~files\Photo-2324000.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	30
573	R050212A~files\Photo-3754139.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	49
574	R050212A~files\Photo-3764140.jpg	Yes	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050212A.cor	50
575	R050212A~files\Photo-3774141.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	51
576	R050212A~files\Photo-3794143.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	53
577	R050212A~files\Photo-3784142.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	52
578	R050212A~files\Photo-3814145.jpg	Yes	Unknown	Grate	Single	Good	No	Catch_Ba	R050212A.cor	54
579	R050212A~files\Photo-3824146.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Double	Good	No	Catch_Ba	R050212A.cor	55
580	R050212A~files\Photo-3834147.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050212A.cor	56
581	R050111A~files\Photo-2263994.jpg	Unknown	Full (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	26
582	R050111A~files\Photo-2213989.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	23
583	R050111A~files\Photo-2223990.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	24
584	R050111A~files\Photo-2253993.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	25
585	R050111A~files\Photo-2283996.jpg	Unknown	Part (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	27
586	R050111A~files\Photo-2293997.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	28
587	R050111A~files\Photo-2303998.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	29
588	R050111A~files\Photo-2193987.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	21
589	R050111A~files\Photo-2203988.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	22
590	R050111A~files\Photo-2183986.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	20
591	R050111A~files\Photo-2163984.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	18
592	R050111A~files\Photo-2173985.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	19
593	R050111A~files\Photo-2133981.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	15
594	R050111A~files\Photo-2143982.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	16
595	R050111A~files\Photo-2153983.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	17
596	R050111A~files\Photo-2123980.jpg	Yes	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	14
597	R050111A~files\Photo-2113979.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	13
598	R050111A~files\Photo-2103978.jpg	Yes	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	12
599	R050111A~files\Photo-2083976.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	10
600	R050111A~files\Photo-2093977.jpg	Unknown	Full (Wet)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	11
601	R050111A~files\Photo-2073974.jpg	Yes	Good	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	8
602	R050111A~files\Photo-2063975.jpg	No	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	9
603	R050111A~files\Photo-2053973.jpg	Unknown	Part (Wet)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	7
604	R050111A~files\Photo-2043972.jpg	Unknown	Full (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	6
605	R050111A~files\Photo-2013969.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Other	No	Catch_Ba	R050111A.cor	3
606	R050111A~files\Photo-2033971.jpg	Unknown	Part (Dry)	Curb Inlet/ Grate	Single	Good	No	Catch_Ba	R050111A.cor	5
607	R050111A~files\Photo-2023970.jpg	Unknown	Part (Dry)	Grate	Single	Good	No	Catch_Ba	R050111A.cor	4

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Manholes
GIS Field Data Collection

CA ID (Plan ID)	MH GPS ID	Photo	Accessible	Leaching	Condition	Casting Type	Casting Condition	Odor	Feature Name	Datafile
1	17	ay\R031711A~files\Photo-851793.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
2	13	ay\R031711A~files\Photo-791735.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
3	14	ay\R031711A~files\Photo-804747.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
4	16	ay\R031711A~files\Photo-808751.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
5	15	ay\R031711A~files\Photo-805748.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
6	18	ay\R031711A~files\Photo-890828.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
7	1	y\R042511A~files\Photo-0203796.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042511A.cor
8	2	y\R042511A~files\Photo-0193797.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042511A.cor
9	1		Yes	Unknown	Unknown	Solid	Good	No	Manhole	R030711B.cor
10	2	ay\R030711B~files\Photo-563526.jpg	Yes	Unknown	Good	Solid	Corroded	No	Manhole	R030711B.cor
11	2	y\R042911A~files\Photo-0513826.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
12	4	ay\R031711A~files\Photo-707656.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
13	5	ay\R031711A~files\Photo-708657.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
14	6	ay\R031711A~files\Photo-709658.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
15	8	ay\R031711A~files\Photo-713662.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
16	7	ay\R031711A~files\Photo-712661.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
17	9	ay\R031711A~files\Photo-714663.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
18	10	ay\R031711A~files\Photo-715664.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
19	11	ay\R031711A~files\Photo-716665.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
20	12	ay\R031711A~files\Photo-718667.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
21	3	ay\R031711A~files\Photo-701650.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
22	2	ay\R031711A~files\Photo-698647.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031711A.cor
23	1	ay\R031711A~files\Photo-696646.jpg	Yes	Yes	Good	Solid	Good	No	Manhole	R031711A.cor
24	3	y\R042911A~files\Photo-0673842.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
25	1	ay\R031014A~files\Photo-660611.jpg	Unknown	Unknown	Unknown	Solid	Other	No	Manhole	R031014A.cor
26	2	ay\R031014A~files\Photo-672623.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031014A.cor
27	3	ay\R031014A~files\Photo-678629.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R031014A.cor
28	13	y\R050111A~files\Photo-2924058.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
29	12	y\R050111A~files\Photo-2904056.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
30	11	y\R050111A~files\Photo-2734039.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
31	1	y\R042911A~files\Photo-0463821.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
32	4	ay\R030711B~files\Photo-626578.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R030711B.cor
33	3	ay\R030711B~files\Photo-625577.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R030711B.cor
34	4	y\R042911A~files\Photo-0783853.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
35	5	y\R042911A~files\Photo-0873861.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
36	6	y\R042911A~files\Photo-0933867.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
37	7	y\R042911A~files\Photo-1103884.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
38	8	y\R042911A~files\Photo-1243898.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
39	2	y\R050212A~files\Photo-3434107.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
40	1	y\R050212A~files\Photo-3424106.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
41	3	y\R050212A~files\Photo-3464110.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
42	4	y\R050212A~files\Photo-3524116.jpg	Unknown	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
43	7	y\R050212A~files\Photo-3614125.jpg	No	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
44	6	y\R050212A~files\Photo-3604124.jpg	No	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
45	5	y\R050212A~files\Photo-3574121.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
46	9	y\R050212A~files\Photo-3674131.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
47	8	y\R050212A~files\Photo-3664130.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
48	10	y\R050212A~files\Photo-3704134.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
49	11	y\R050212A~files\Photo-3734137.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
50	12	y\R050212A~files\Photo-3804144.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050212A.cor
51	10	y\R050111A~files\Photo-2424009.jpg	Yes	Unknown	Unknown	Other	Good	No	Manhole	R050111A.cor
52	9	y\R050111A~files\Photo-2394007.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
53	8	y\R050111A~files\Photo-2374005.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
54	7	y\R050111A~files\Photo-2364004.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
55	6	y\R050111A~files\Photo-2344002.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
56	5	y\R050111A~files\Photo-2334001.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
57	3	y\R050111A~files\Photo-2273995.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
58	1	y\R050111A~files\Photo-2233991.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
59	2	y\R050111A~files\Photo-2243992.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor

Town of Brookhaven
Conscience Bay and Setauket Harbor Stormwater Management Plan

Manholes
GIS Field Data Collection

CA ID (Plan ID)	MH GPS ID	Photo	Accessible	Leaching	Condition	Casting Type	Casting Condition	Odor	Feature Name	Datafile
60	4	.\R050111A~files\Photo-2313999.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R050111A.cor
61	10	.\R042911A~files\Photo-1553924.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
62	9	.\R042911A~files\Photo-1523922.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
63	12	.\R042911A~files\Photo-1803949.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor
64	11	.\R042911A~files\Photo-1673936.jpg	Yes	Unknown	Unknown	Solid	Good	No	Manhole	R042911A.cor