

## Manhasset Bay Water Quality Improvement Plan

### General Recommendations Summary

Recommendations are organized into seven distinct categories, each identified by a unique letter code for easy reference:

<b>B-#</b>	<b>General Bay-Wide Recommendations</b>
<b>S-#</b>	<b>Stormwater Management</b>
<b>M-#</b>	<b>Municipal Facilities</b>
<b>W-#</b>	<b>Wastewater Management</b>
<b>N-#</b>	<b>Natural Resource Management</b>
<b>R-#</b>	<b>Water Quality Research &amp; Monitoring</b>
<b>P-#</b>	<b>Watershed Planning and Management</b>
<b>O-#</b>	<b>Public Outreach and Stewardship</b>

<b>ID</b>	<b>Recommendation</b>
<b>B-1</b>	Comprehensive Water Quality Monitoring Program
<b>B-2</b>	Expand Water Quality Sampling to Include Pesticides
<b>B-3</b>	Investigate Septic System Contributions to Pollution
<b>B-4</b>	Feasibility Study to Evaluate Use of Aeration Systems in Stagnant Areas of the Bay
<b>B-5</b>	Support Shellfish Restoration Programs
<b>B-6</b>	Manage Waterfowl Populations and Pet Waste to Reduce Pathogen Inputs
<b>B-7</b>	Conduct a Tidal Flushing and Circulation Study for Manhasset Bay
<b>B-8</b>	Investigate Areas for Removal of Sediment from Manhasset Bay
<b>B-9</b>	Identify Areas for Open Space Preservation
<b>M-1</b>	Complete a GIS-Based Mapping of the Stormwater Management System and Contributing Areas to the MS4 System.
<b>M-2</b>	Provide Training for Municipal Maintenance Personnel Regarding Stormwater Runoff and Water Pollution, Hazardous Materials Handling, Illicit Discharge Detection and Best Management Practices.
<b>M-3</b>	Provide Designated Areas in Municipal Facilities (DPW Yards, Police and Fire Stations, Vehicle Storage Yards, etc.) for Washing of Vehicles with Proper Filtration and Drainage to Prevent Toxic or Hazardous Materials from Entering the Watershed.
<b>M-4</b>	Ensure that All Municipal Operations within the Watershed Incorporate Best Management Practices (BMP)/Good Housekeeping Practices into Daily Operations.
<b>M-5</b>	Complete Regular Municipal Facility and Operations Audits.
<b>M-6</b>	Incorporate Projections Addressing Changing Climate into Municipal Facility Planning and Upgrades.

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Second Public Outreach Meeting

<b>M-7</b>	Enhance Municipal Trash Collection and Floatable Debris Control and Maintenance Across the Watershed.
<b>M-8</b>	Improve Public Access to Waterfront Areas through Infrastructure Upgrades and Recreational Amenities.
<b>W-1</b>	Expand Sewer Connections and Eliminate Legacy Septic Systems
<b>W-2</b>	Incentivize and Require Upgrades to Innovative/Alternative Onsite Wastewater Treatment Systems (I/A OWTS)
<b>W-3</b>	Develop a Program and Update Town and Village Codes to Identify and Require Regular Maintenance of Septic Systems in Areas with Shallow Depth to Groundwater and Poor Integrity/Not Properly Functioning
<b>W-4</b>	Upgrade and Optimize Wastewater Treatment Plant (WWTP) Performance
<b>W-5</b>	Promote and Implement Water Reuse and Resource Recovery
<b>W-6</b>	Enforcement and Education of Boat Pump-Out Practices
<b>R-1</b>	Implement Targeted Source Tracking and Microbial Source Identification
<b>R-2</b>	Establish a Watershed-Wide Stormwater Outfall and Illicit Discharge Monitoring Program
<b>R-3</b>	Conduct Subwatershed-Scale Pollutant Loading and Trend Analysis
<b>R-4</b>	Expand Citizen Science and Community-Based Monitoring
<b>R-5</b>	Monitor and Assess Climate Change Impacts on Water Quality
<b>R-6</b>	Utilize a Centralized Water Quality Data Portal(s) for Manhasset Bay Data
<b>P-1</b>	Encourage the Adoption/Update of Municipal Comprehensive/Master Plans
<b>P-2</b>	Strengthen Local Codes and Intermunicipal Coordination for Wastewater Management
<b>P-3</b>	Strengthen Local Codes and Intermunicipal Coordination for Protection of Wetlands Within the Watershed
<b>P-4</b>	Update Municipal Codes for Commercial and Industrial Redevelopment
<b>P-5</b>	Update Municipal Codes to Include Minimum Buffer Width Requirements
<b>P-6</b>	Strengthen Municipal Oversight of Marina Operations
<b>P-7</b>	Incorporate Municipal Code Amendments for Fertilizer and Pesticide Use Fertilizer-Dependent Vegetation Limits
<b>P-8</b>	Incorporate Municipal Code Amendments for Clearing Restrictions
<b>P-9</b>	Incorporate Litter Reduction Strategies
<b>P-10</b>	Enforce Illicit Discharge Ordinances
<b>O-1</b>	Expand public education and signage within the watershed
<b>O-2</b>	Expand public access to Manhasset Bay for recreation
<b>O-3</b>	Implement a litter tracking portal