

# 1996 CCMP Objectives Assessment Summary & Relationship to Action Agenda October 2018

**ORIGINAL HEP GOAL AREAS    ORIGINAL 1996 CCMP OBJECTIVE    CORRESPONDING 2017-2022 ACTION AGENDA OBJECTIVE/ACTION    NO CORRESPONDING OBJECTIVE/ACTION AND REASON; ADDITIONAL COMMENTS/INFORMATION**

WATER QUALITY	P-1. Reduce loadings of pathogens from CSOs, stormwater discharges, and non-point sources to levels protective of public health (See Rainfall-Induced Discharges section)	WQ-B-2, WQ-B-3, WQ-C-1	
	P-2. Reduce or eliminate the discharge of raw or inadequately treated sewage due STP malfunctions and illegal connections	None	No longer a HEP priority. While illegal connections and STP malfunctions can still occur, they are no longer as commonplace. State agencies still address illegal connections.
	P-3. Establish marina pumpout facilities and no discharge zones to reduce impacts of vessel discharges.	WQ-A-3	
	P-4. Develop additional indicators of pathogenic contamination	None	No longer relevant. Enterococcus is the indicator of choice for saline/brackish waters and E. coli is in the indicator of choice for freshwater.
	P-5. Continue interstate dialogue on beach closure policies to ensure a reasonably consistent approach	WQ-A-1, WQ-A-2	
	P-6. Optimize disinfection practices	None	No longer a HEP priority. NYCDEP and NJDEP have been researching options for chlorination/de-chlorination and other strategies as part of their LTCP development.
	P-7. Continue appropriate research, environmental monitoring, and modeling to identify remediation activities and support recovery of uses.	WQ-B-3, WQ-C-1, WQ-C-2, WQ-C-3	
	F-1. Continue and enhance implementation of the successful short-term floatables action plan	WQ-B-5	HEP's focus is on reducing sources of trash.
	F-2. Expand the USACE Harbor Drift Removal Program without compromising important habitat.	None	No longer a HEP priority. USACE and PVSC continue to remove floatables using skimmer vessels.
	F-3. Implement beach cleanups	WQ-B-5	
	F-4. Assess and control landfills and solid waste practices.	None	No longer a HEP priority. The states are continuing to implement solid waste programs and landfill closure programs.
	F-5. Communicate impacts of marine debris and appropriate disposal practices.	WQ-B-5, WQ-D-2	
	F-6. Reduce loadings of floatables from CSOs, stormwater discharges, and non-point source discharges (see Rainfall - Induced Discharges section)	WQ-B-5	
	N-1. Upgrade municipal sewage treatment plants to achieve full secondary treatment	None	Completed - All STPs upgraded to secondary treatment as of 2009
	N-2. Establish environmental objectives for the Harbor/Bight	WQ-A-1, WQ-A-2, WQ-C-2, WQ-E-1, WQ-E-2	
	N-3. Develop and implement, as appropriate, low-cost nitrogen reduction actions	None	Partially completed. Many STPs have taken steps to reduce nitrogen, including steps taken to fulfill the LIS CCMP. While additional action has been called for in Western LIS, it is no longer a priority for HEP.
	N-4. Develop and implement additional actions necessary to eliminate adverse effects of eutrophication, including hypoxia, on marine life in the Harbor, Bight, and Long Island Sound	WQ-C-2, WQ-E-1, WQ-E-2	
	N-5. Conduct additional studies to understand the causes of hypoxia, algal blooms, and other eutrophication effects	WQ-C-2, WQ-E-1, WQ-E-2	
	CSO-1. Implement the Nine Minimum measures of the National CSO Control Policy	WQ-B-4	
	CSO-2. Implement additional CSO controls to meet water quality standards and restore beneficial uses.	WQ-B-3	

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	SW-1. Implement measures to control municipal and industrial stormwater discharges	None	No longer a HEP priority. This is being addressed through NYCDEP and NJDEP's MS4 permits.
	NPS-1. Focus Clean Water Act non-point source programs on Harbor/Bight watersheds.	None	No longer a HEP priority. 319 and 604 programs continue to be administered by the state agencies, with a focus on Harbor/Bight watersheds if warranted.
	NPS-2. Develop and implement coastal non-point source management programs under Coastal Zone Act Reauthorization	None	No longer a HEP priority. Programs are implemented by the agencies.
	NPS-3. Focus the Urban Resources partnership on Harbor/Bight watersheds.	PA-A-1	While the Urban Resources Partnership no longer exists, HEP administers and supports the federal Urban Waters Partnership in the Bronx/Harlem and Passaic Rivers.
	NPS-4. Continue and enhance education programs for control of non-point source pollution.	WQ-B-1, WQ-B-5, WQ-D-2	
<u>HABITAT</u>	H-1. Develop a comprehensive regional strategy to protect the Harbor/Bight watershed and to mitigate continuing adverse human-induced impacts.	Habitat Objective A (all actions)	
	H-2. Control point and non-point loadings of pollutants	WQ-B-2, WQ-B-5	
	H-3. Manage coastal development	Habitat Objective A (all actions)	
	H-4. Manage shoreline and aquatic habitat modifications.	Habitat Objective A (all actions)	
	H-5. Maintain healthy estuarine conditions by managing freshwater inputs.	None	No longer a HEP priority. Freshwater flows and withdrawals are managed by the water supply programs at the state and local level.
	H-6. Minimize human disturbances of natural habitats.	H-A-1	
	H-7. Preserve and improve fish, wildlife, and plant populations and biodiversity	All Habitat objectives	
	H-8. Increase appropriate public access	PA-A-1 & A-2	
	H-9. Increase public education, stewardship, and involvement on issues related to management of habitat and living resources.	PA-B-1	
	H-10. Complete ongoing research and initiate special studies on habitat issues.	Habitat Objective B (all actions)	
	H-11. Identify significant coastal habitats warranting enhanced protection and restoration	H-A-3, H-A-4, H-B-2	
	H-12. Develop and implement plans to protect and restore significant coastal habitats and impacted resources.	Habitat Objective A (all actions)	

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<u>PORT &amp; SEDIMENT</u>	D-1. Develop a future dredged material management structure (also see section on Post-CCMP Management Structure).	None	No longer a HEP priority. Dredged material management continues to be addressed by the agencies.
	D-2. Reduce continuing inputs of toxic chemicals and upland sediments and soils (see Management of Toxic Contamination section and the Management of Habitat and Living Resources section, Action H-2.1, H-2.2, H-2.3).	Maritime Objective A	
	D-3. Characterize, categorize, and quantify material to be dredged.	Maritime Objective A	CARP2 is characterizing the quality of highly depositional channel sediments. HEP funded some work to quantify sediments discharged from tributaries to the estuary. Learning more about sediment inputs from the watershed and understanding sediment transport are still important technical concerns that deserve further research and monitoring. Quantifying the dredged material is no longer a HEP priority as USACE routinely estimates how much they need to dredge.
	D-4. Identify, evaluate, and select disposal and treatment/decontamination alternatives.	M-A-1 & M-A-2	
	D-5. Develop plans for closure of the Mud Dump Site and historical disposal areas.	None	Completed. The Mud Dump Site was closed and re-designated as the HARS.
	D-6. Improve dredging, transport, and disposal operations.	M-B-1	
	D-7. Expedite permit decisions.	Maritime Objective A	The Regional Sediment Management Plan was drafted to better understand the quality and quantity of sediments getting into the estuary and to improve the dredging process. CARP 2 is trying to make future dredging and disposal more predictable by understanding how the dredge material quality is changing --- this could speed up the permitting process and reduce costs.
<u>TOXICS</u>	T-1. Reduce municipal discharges of chemicals of concern.	None	No longer a HEP priority. Permitting requirements continue to be addressed by the agencies.
	T-2. Reduce industrial discharges of chemicals of concern.	None	No longer a HEP priority. Permitting requirements continue to be addressed by the agencies.
	T-3. Minimize the discharge of toxic chemicals from CSOs, stormwater, and non-point sources (Note: see section on Rainfall-Induced Discharges)	WQ-B-2	Encouraging green infrastructure (action WQ-B-2) will help alleviate stormwater and CSO discharges, however the toxics TMDL is no longer being pursued by the agencies, therefore discharge permits for toxic chemicals are no longer part of the scope of HEP's priorities.
	T-4. Reduce air emissions of chemicals of concern.	None	No longer a HEP priority. Clean Air Act requirements continue to be addressed by the agencies.
	T-5. Remediate identified solid and hazardous waste sites.	None	No longer a HEP priority. Waste sites are managed and remediated by the agencies.
	T-6. Track-down and clean-up chemicals of concern.	None	No longer a HEP priority. While trackdown was thought to be an ideal method for identifying contaminant sources when CARP started in the 1990's, the results did not line up with expectations. HEP sponsored trackdown work on PCBs within the Linden/Roselle WTP drainage area but a specific source was never identified.
	T-7. Improve chemical/oil spill response and prevention.	None	No longer a HEP priority. The agencies are responsible for spill prevention and response.
	T-8. Focus pollution prevention activities on chemicals of concern	None	No longer a HEP priority. Chemicals are regulated through permits and agencies have programs addressing pollution prevention requirements.
	T-9. Identify and remediate selected contaminated sediments.	None	No longer a HEP priority. CARP showed that contaminants are widely dispersed throughout the estuary, and no "hot spots" have been identified, with the exception of those in confined basins like Gowanus Canal. Those areas have other programs working to clean them up and there is no evidence to suggest that they are contributing a significant amount of contaminants to other parts of the system.
	T-10. Establish consistent methodology to assess risk and improve communication of fish advisories.	WQ-A-1, WQ-A-2, WQ-D-2	
	T-11. Review and develop criteria for copper and other priority chemicals.	None	Completed
	T-12. Assess ambient levels, loadings, and effects of chemicals.	WQ-C-3, M-A-2	
	T-13. Develop mass balances for metals and organic chemicals.	M-A-2	CARP completed, CARP 2 ongoing

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<u>PUBLIC INVOLVEMENT &amp; EDUCATION</u>	E-1. Provide for public input to ongoing program and policy decision-making for HEP	None	No specific action but this is ongoing through HEP's CAC
	E-2. Build community awareness, appreciation, and understanding of the ecosystem and its importance; and encourage action at the community level.	WQ-C-1, PA-B-1, PA-B-2	This is also ongoing through HEP's CAC
	E-3. Promote understanding of and involvement in the implementation of the CCMP recommendations	None	No specific action but this is ongoing through HEP's CAC
	E-4. Increase communication and foster cooperation among stakeholders and others involved with ecosystem management, protection, and stewardship activities	WQ-A-1, PA-B-2	This is also ongoing through HEP's various committees and workgroups
	E-5. Promote individual and group involvement and sponsorship of education and stewardship activities to clean up and restore the ecosystem	WQ-B-5, WQ-D-2, PA-B-2	
	E-6. Enhance educational opportunities for all education levels	WQ-B-4, WQ-D-1, PA-B-1, PA-C-1, PA-C-2	No longer a HEP focus. HEP does not have an educator on staff, but enhancing educational opportunities will result from several actions.
	E-7. Secure additional funding and raise awareness of funding sources to increase public involvement and education activities.	PA-B-2	
<u>POST CCMP MANAGEMENT STRUCTURE</u>	S-1. Continue the management conference	None	No specific action but this is ongoing at HEP
	S-2. Review conference membership to ensure adequate participation from implementers	None	No specific action but this is ongoing at HEP
	S-3. Establish a program office	None	Completed
	S-4. Facilitate watershed-based planning and implementation	None	No specific action but this is ongoing at HEP
	S-5. Encourage non-profit organizations to fund estuary protection efforts	None	No specific action but this is ongoing at HEP
<u>MONITORING, MODELING AND RESEARCH STRATEGY</u>	M-1. Prepare synthesis report	None	Completed, but identification of monitoring and research efforts is ongoing through the development of the updated Environmental Monitoring Plan.
	M-2. Conduct workshops on monitoring, modeling and research needs	None	No specific action but this is ongoing at HEP through various technical workgroups
	M-3. Seek commitments for implementation	None	Addressed through the development of the updated Environmental Monitoring Plan and other Actions
	M-4. Develop and implement long-term data management strategy	None	Addressed through the development of the updated Environmental Monitoring Plan and other Actions
<u>REPORTING ON PROGRESS IN IMPLEMENTING THE PLAN</u>	I-1. Prepare reports on the status of CCMP implementation	None	No specific action but this is ongoing at HEP through workplans, action agenda updates, and various reports such as the restoration progress reports, in addition to the required yearly NEPORT reporting
<u>COSTS AND FINANCING</u>	C-1. Continue to fund federal, state and local programs, at a minimum, at current levels	None	No specific action but this is ongoing at HEP
	C-2. Seek additional funds for project implementation and program enhancements	None	No specific action but this is ongoing at HEP