

## **Appendix A. Proposed updates to the goals and objectives of the Buzzards Bay Comprehensive Conservation and Management Plan 2013 Update**

Draft October 15, 2024

### **2024 Update of the Buzzards Bay CCMP**

The Buzzards Bay NEP is updating the *Buzzards Bay Comprehensive Conservation and Management Plan 2013 Update* to reflect recommendations in the 2023 Buzzards Bay CCMP Climate Vulnerability Assessment, new information or conditions, changes to laws and regulations, new EPA CCMP guidelines, comments by reviewers, and other concerns. The 2024 Update will also better reflect agency climate resilience objectives, and environmental equity goals. The purpose of this document is to identify changes to the "goals" and "objectives" identified in the 21 Action Plans needed for the update.

Each Action Plan in the Buzzards Bay CCMP articulates overarching goals. These goals are aspirational and without a deadline. Each Action Plan also articulates Objectives, which are key intermediate steps needed to achieve the overarching goals. Some objectives may include measurable targets and timelines (e.g., numbers of acres of open space protected by 2035). The objectives are not meant to be an exhaustive list of all actions in support of the goals but are meant to identify important action items that should be implemented and supported by funding and technical assistance by all levels of government. The new research-related objectives added to some Action Plans are meant to identify essential information needed to achieve the goals and objectives of that Action Plan

We are also seeking to improve the clarity and conciseness of the wording and make it more accessible to a general audience. Some changes proposed are minor word changes. Other changes include adding additional concepts (like climate resilience) or represent a complete re-writing of sentences to improve clarity. Some new goals and objectives were also added either to address new topics or understandings (e.g., climate), or specific important research questions that should be answered to better define needed management actions. EPA also requires adoption of numeric or trackable goals wherever appropriate. Listed below are the 21 action plans of the Buzzards Bay CCMP, and the table lists proposed changes if any to the wording of goals and objectives, plus any added goals or objectives.

### **List of Action Plans**

List of Action Plans

Action Plan 1 Managing Nitrogen Sensitive Embayments

Action Plan 2 Protecting and Enhancing Shellfish Resources

Action Plan 3 Managing Stormwater Runoff and Promoting Low Impact Development and Green Infrastructure

Action Plan 4 Improving Land Use Management, Promoting Smart Growth, and Encouraging Climate Resilience

Action Plan 5 Managing Onsite Wastewater Disposal Systems

Action Plan 6 Managing Impacts from Boating, Marinas, and Moorings

Action Plan 7 Protecting and Restoring Wetlands

Action Plan 8 Restoring Migratory Fish Passage and Populations

Action Plan 9 Protecting Biodiversity and Natural Communities that support species considered Endangered, Threatened, or of Special Concern

Action Plan 10 Managing Freshwater Recharge and Withdrawals to Protect Wetlands, Habitat, and Water Supplies

Action Plan 11 Managing Invasive Species

Action Plan 12 Protecting Open Space

Action Plan 13 Protecting and Restoring Ponds and Streams

Action Plan 14 Reducing Trash in Wetlands and Waterways

Action Plan 15 Managing Coastal Watersheds, Tidelands, and the Waterfront

Action Plan 16 Reducing Toxic Pollution

Action Plan 17 Preventing Oil and Other Petroleum-Based Pollution

Action Plan 18 Planning for a Shifting Shoreline and Coastal Storms

Action Plan 19 Protecting Public Health at Swimming Beaches

Action Plan 20 Monitoring Management Action, Status, and Trends

Action Plan 21 Enhancing Public Education and Participation

2013 CCMP Goal or Objective	2024 changed wording	Comments
<b>Action Plan 1 Managing Nitrogen Sensitive Embayments</b>		
Goal 1.1. Ensure that no designated uses will be lost, nor ecosystems adversely affected by excessive contributions of nitrogen to any area of Buzzards Bay.	Goal 1.1. Prevent the loss of designated uses and reduce adverse impacts to Buzzards Bay ecosystems due to excessive contributions of nitrogen.	Reworded
Goal 1.2. Restore lost designated uses and adversely affected ecosystems impaired by the excessive contribution of nitrogen to any area within Buzzards Bay.		
	<del>Goal 1.3. Ensure that the watershed nitrogen total maximum daily load margin of safety calculation consider climate stressors that may exacerbate coastal eutrophication like temperature, precipitation, and acidification.</del>	Kept as a refined Objective 1.1.
Objective 1.1. To develop and adopt scientifically based nitrogen total maximum daily loads (TMDLs) for nitrogen impaired areas of Buzzards Bay.	Objective 1.1. By 2030, adopt watershed nitrogen total maximum daily load limits for all impaired Buzzards Bay embayments. Ensure these limits include a margin of safety calculation for climate stressors like temperature, precipitation, and acidification that may exacerbate coastal eutrophication.	Added climate element; clarified wording.
Objective 1.2. To reduce the amount of nitrogen currently entering nitrogen-impacted embayments, including all areas identified on 303(d) and Integrated Lists, according to limits specified in approved TMDLs.	Objective 1.2. Reduce nitrogen loads to nitrogen-impacted embayments to meet approved watershed nitrogen loading limits and waste load allocations.	Re-written for clarity
Objective 1.3. To ensure new additions of nitrogen to coastal waters do not cause, or contribute to, a violation of state surface water quality standards, or exceed federally approved TMDLs.	Objective 1.3. Ensure new additions of nitrogen to coastal waters do not cause, or contribute to, a violation of state surface water quality standards, or exceed federally approved total maximum daily loads.	Eliminated acronym and dropped the word "To"
Objective 1.4. To ensure that state and federal discharge permits meet nitrogen loading limits and waste load allocations specified in approved TMDLs.	Objective 1.4. Ensure that state and federal discharge permits set limits that meet nitrogen loading limits and waste load allocations specified in approved total maximum daily load limits.	Eliminated acronym and dropped the word "To."
Objective 1.5. To promote the development and implementation of local plans to manage nitrogen sources to meet TMDLs and waste load allocations.	Objective 1.5. Promote the development and implementation of local TMDL implementation plans to manage nitrogen sources to meet total maximum daily load limits and waste load allocations.	Clarified wording"
Objective 1.6. To promote the development and support the use of alternative and advanced nitrogen reducing wastewater treatment technologies at all scales of flow.	Objective 1.6. Promote the development of and use of alternative and advanced nitrogen reducing wastewater treatment technologies at all scales of flow.	Dropped the word "To."
Objective 1.7. Monitor water quality and natural resources like eelgrass beds at a sufficient frequency to document management needs, assess the effectiveness of actions taken, and to document ongoing changes and variability in water quality and ecosystems health.	Objective 1.7. Monitor water quality and natural resources (e.g. eelgrass beds, algae, dissolved oxygen), at a sufficient frequency to document management needs, assess the effectiveness of actions taken, and to document ongoing changes and variability in water quality and ecosystems health.	Clarified wording and called out DO and algae monitoring.

2013 CCMP Goal or Objective	2024 changed wording	Comments
	Objective 1.8. Support studies that advance the understanding of the relationship between changing water temperature and precipitation patterns on forms and amounts of nitrogen conveyed to coastal waters and how the changes may affect achieving total maximum daily load limits.	New research related objective.
	Objective 1.9. Collect and analyze water temperature and nutrient levels in embayments, the Cape Cod Canal, and central portions of Buzzards Bay.	New research related objective.
	Objective 1.10. Collect and analyze stream temperature, flow, and nutrient loads to better characterize climate driven impacts.	New research related objective.
	Objective 1.11. Collect and analyze stormwater samples nutrient load reductions.	New research related objective; moved management element to Action Plan 3.
	Objective 1.12. Support development of improved groundwater flow and nutrient loading models, including those that account for climate change impacts.	New research related objective.
	<del>Objective 1.13. Support the development of EPA approved watershed total maximum daily loads for all nutrient impaired Buzzards Bay embayments by 2030.</del>	Unnecessary new objective; just added date to obj 1.1.
	Objective 1.14. Support Buzzards Bay municipal efforts to adopt and implement watershed permits, watershed management plans, and comprehensive wastewater management plans to reduce nitrogen loading to state designated Nitrogen Sensitive Areas and other impaired waters.	New objective consistent with DEP Title 5 regulation changes and acknowledge the several paths for a municipality to achieve TMDL compliance
	Objective 1.15. Support studies that advance the understanding of nitrogen cycling in sediments of state-designated Nitrogen Sensitive Embayments	New objective consistent with DEP Title 5 regulation changes
	Objective 1.16. Encourage adaptive management and performance checkpoints in watershed management planning to continue reducing nitrogen loading to state designated Nitrogen Sensitive Areas.	New objective.
	Objective 1.17. DEP and EPA should ensure that all surface water discharge permits support total maximum daily loads waste load allocations and watershed permit goals.	New objective.
<b>Action Plan 2 Protecting and Enhancing Shellfish Resources</b>		
Goal 2.1. Increase availability of shellfish resources for recreational and commercial use.		
Goal 2.2. Restore habitat to increase the abundance and distribution of shellfish resources.		

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 2.1. To keep open all shellfish resource areas now open, and to open priority resource areas that are now closed.	Objective 2.1. Support efforts to prevent new shellfish resource areas closures, and open priority resource areas.	Reworded for clarity
Objective 2.2. To increase the ability of DMF to carry out the sanitary survey program and provide technical assistance to municipalities to better manage shellfish resources.	Objective 2.2. Increase the ability of the Massachusetts Division of Marine Fisheries to carry out the sanitary survey program, comply with the National Shellfish Sanitation Program, and provide technical assistance to municipalities to better manage shellfish resources.	Eliminated acronym and added reference to NSSP.
Objective 2.3. To increase the capacity and commitment of municipalities to remediate pollution sources that are contributing to shellfish bed closures.	Objective 2.3. Increase the capacity and commitment of municipalities to remediate pollution sources that are contributing to shellfish bed closures or not meeting the watershed’s bacterial total maximum daily load limits.	Rewrote and added bacteria limits
Objective 2.4. To expand the use of the conditionally approved classification for shellfish areas.	Objective 2.4. Where justified, expand the use of the rainfall conditionally approved classification to reduce seasonally closed or prohibited shellfish areas.	clarified the intent
Objective 2.5. To eliminate pollution sources and disturbances contributing to the permanent loss of shellfish habitat and enhance and restore shellfish habitat.	Objective 2.5. Eliminate pollution sources and disturbances contributing to the permanent loss of shellfish habitat.	split into two objectives and reworded
Objective 2.6. Expand programs to propagate, seed, and relay shellfish.	Objective 2.7. Promote and support activities to enhance and restore of shellfish habitat, especially efforts that ensure shellfish resources remain resilient to changes in habitat and water quality caused by climate change, or concurrently ameliorate coastal eutrophication.	split from 2.5 above and expanded idea
	<del>Objective 2.8. Support restoration ...</del>	New objective that also clarifies 2-6
	Objective 2.9. Promote research to better define the relationship between temperature and precipitation and shellfish water quality indicators and associated habitat (e.g., eelgrass beds).	New research related objective.
	Objective 2.10. Implement pH and carbonate system monitoring around Buzzards Bay to understand changes over time and impacts to shellfish and other living resources	New research related objective.
	Objective 2.11. Reduce seasonally closed shellfish beds on July 1 to 3,150 acres (11% decline) by 2035.	New numeric goal.
	Objective 2.12. Ensure that the boundaries of mandatory shellfish closures around wastewater outfalls are based on sound science.	New objective. New FDA rules will soon close many more acres.

2013 CCMP Goal or Objective	2024 changed wording	Comments
<b>Action Plan 3 Managing Stormwater Runoff and Promoting LID</b>	<b>Action Plan 3 Managing Stormwater Runoff and Promoting Low Impact Development and Green Infrastructure</b>	Eliminated acronym. LID and GI are different scales but complimentary approaches
Goal 3.1. Prevent new or increased untreated stormwater flows to Buzzards Bay and contributing watershed areas that would adversely affect shellfishing areas, swimming beaches, water quality, and wetlands.	Goal 3.1 Prevent new or increased untreated stormwater flows to Buzzards Bay and its watershed that would adversely affect water quality and habitat.	Reduce wordiness
Goal 3.2. Correct existing stormwater runoff flows to Buzzards Bay and contributing watershed areas that are adversely affecting shellfishing areas, swimming beaches, water quality, and wetlands, or exceeding watershed total pollutant load limits.	Goal 3.2. Manage stormwater runoff adversely affecting shellfishing areas, swimming beaches, water quality, wetlands, or exceeding total maximum daily load limits for nutrients, bacteria, and future pollutant limits.	Simplified.
Goal 3.3. Maintain and restore natural hydrologic conditions to provide base flow conditions to streams, wetlands, and estuaries.	Goal 3.3. Manage stormwater to help maintain and restore natural hydrologic conditions, recharge to groundwater, and to provide base flow conditions to streams and wetlands.	Revised for clarity.
Goal 3.4. To encourage low impact development (LID) techniques in new development and redevelopment, in order to minimize impacts from stormwater.	Goal 3.4. Encourage low impact development and green infrastructure approaches to minimize stormwater impacts from development and redevelopment.	Eliminated acronym. Simplified and active voice.
	Goal 3.5 Eliminate combined sewer overflow discharges to New Bedford waters.	reintroduction of a goal from 1992 CCMP New Bedford Action Plan
Objective 3.1. To adopt and implement local and state stormwater LID laws and regulations.	Objective 3.1. Build local capacity to adopt and implement local and state low impact development and green stormwater infrastructure laws and regulations.	reworded and expanded with green infrastructure
Objective 3.2. To implement effective stormwater pollution remediation projects that include proper design, construction, operation, and maintenance.	Objective 3.2. Implement effective stormwater pollution remediation projects that include proper design, construction, operation, and maintenance.	Dropped the word "To."
Objective 3.3. To provide guidance and incentives for LID that reduces and re-uses stormwater runoff, and reduces the need for structural practices.	Objective 3.3. Provide guidance and incentives for low impact development that reduces stormwater runoff and the need for structural practices.	Eliminated acronym, reworded and simplified
Objective 3.4. To improve compliance with federal, state, and local stormwater regulations and meet watershed total pollutant load limits.	Objective 3.4. Ensure that federal stormwater discharge permits meet all watershed total maximum daily waste load allocations.	Simplified to focus on the most pressing issue with respect to stormwater permits and TMDLs
	Objective 3.5. By 2030, municipalities should complete illicit discharge detection and elimination investigations on all stormwater discharges identified as high priority by the municipality.	New objective.
	Objective 3.6. Strengthen state and local stormwater treatment performance standards, to address climate driven degradation and better meet pollution reduction targets.	New objective.

2013 CCMP Goal or Objective	2024 changed wording	Comments
	Objective 3.7. DEP should update the 2008 Stormwater Handbook to reflect new regulations, priorities, and understandings.	New objective. DEP proposed new performance standards in Spring 2024
	Objective 3.8. Fund novel or cost-effective approaches for diagnosing illicit connections and pollutant sources within stormwater networks to maximize water quality benefits of stormwater network assessments.	New research related objective to speed up completion of municipal investigations to identify illicit discharges to stormwater networks.
	Objective 3.9. Support efforts to eliminate combined sewer overflows in the City of New Bedford.	Reintroduced objective from the 1992 CCMP
<b>Action Plan 4 Improving Land Use Management and Promoting Smart Growth</b>	<b>Action Plan 4 Improving Land Use Management, Promoting Smart Growth, and Encouraging Climate Resilience</b>	Added climate resilience to the title
Goal 4.1. To improve land use management through the use of smart growth strategies in the Buzzards Bay watershed to maintain and improve the natural resources and ecology of Buzzards Bay.	Goal 4.1. Improve land use management and protect natural resources through smart growth and climate resilience strategies in the Buzzards Bay watershed.	Added climate resilience, dropped the word "To."
Objective 4.1. To encourage smart growth techniques in less developed Buzzards Bay watershed communities to preserve open space, revitalize urban and village centers, focus development on growth centers, and protect natural resources and the environment.	Objective 4.1. Encourage smart growth and climate resilience approaches for new development and encourage redevelopment in urban and village centers to protect natural resource areas.	Added climate resilience and simplified the wording.
Objective 4.2. To improve local zoning, subdivision, health, and wetlands regulations to manage future growth in a way that protects the environment of Buzzards Bay and its watershed.	Objective 4.2. Improve local zoning, subdivision, health, and wetlands regulations to manage future growth with climate resilience considerations while protecting the environment of Buzzards Bay and its watershed.	Reworded and added climate resilience
Objective 4.3. Promote sustainable agriculture that does not adversely affect water quality.	Objective 4.3. Promote sustainable agriculture and forest management practices that do not adversely affect water quality.	revised to improve clarity and intent
<b>Action Plan 5 Managing Onsite Wastewater Disposal Systems</b>		
Goal 5.1. Prevent public health threats and environmental degradation from on-site wastewater disposal systems.		Still relevant because failing systems often not caught until property transfer, and the N-loading problem.
Objective 5.1. Enforce the provisions contained in Title 5 regulations such as, siting and design, inspection and upgrades, training, maintenance, mapping and designation of nitrogen sensitive areas, etc.	Objective 5.1. Enforce the provisions contained in Title 5 regulations such as siting and design, inspection and upgrades, training, maintenance, mapping, and designation of nitrogen sensitive areas.	Modified comma use.

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 5.2. Where special local conditions exist, encourage boards of health to adopt local regulations to ensure and/or improve environmental and public health protection.	Objective 5.2. Encourage boards of health to adopt local regulations to ensure and/or improve environmental and public health protection to meet local needs.	Simplified and more direct.
Objective 5.3. Improve management and oversight by municipalities of onsite wastewater disposal systems.		
Objective 5.4. In areas where advanced nutrient removal is required, encourage community scale alternative technology systems as a preference over individual alternative systems.	Objective 5.4. In areas where advanced nutrient removal is required, evaluate and compare the benefits of community scale alternative technology systems to individual alternative systems.	Community scale may not always be the preferred alternative
	Objective 5.5. Encourage towns to track septic tank pumping frequencies and to remind homeowners to pump their septic tanks at appropriate frequencies.	New objective.
	Objective 5.6. Encourage and promote ongoing research on new alternative onsite wastewater disposal systems that more effectively remove nutrients.	New objective.
	Objective 5.7. In areas around freshwater ponds, where excess phosphorus is causing reductions in surface water quality, promote strategies and technologies to reduce the phosphorus loading to the pond.	New objective.
	Objective 5.8 Encourage research on innovative strategies to remove or sequester excessive phosphorus loading from eutrophic freshwater pond sediments.	New objective.
<b>Action Plan 6 Managing Impacts from Boating, Marinas, and Moorings</b>		
Goal 6.1. Eliminate the discharge of wastewater from all boats in Buzzards Bay.	Goal 6.1 Enforce the Buzzards Bay No Discharge Zone to ensure there are no illegal wastewater discharges from boats.	enforcing the No Discharge Zone is the more appropriate goal
Goal 6.2. Eliminate or minimize impacts of discharges from marina operations.		
Goal 6.3. Eliminate adverse environmental impacts associated with mooring fields such as chain scars and sediment suspension.		
Objective 6.1. To ensure there is an adequate number of pumpout facilities in Buzzards Bay.	Objective 6.1. Ensure that each embayment has at least one boat waste pumpout facility.	Clarified the objective
Objective 6.2. To promote the use of pumpout facilities by educating boaters, making facilities more accessible, and enforcing the regulations.	Objective 6.2. Promote the use of pumpout facilities by educating boaters, making facilities more accessible, and enforcing the regulations.	Dropped the word "To."



2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 6.3. Achieve full compliance of marinas with the Phase II stormwater and MSGP discharge permits.	Objective 6.3. Achieve full compliance of marinas and boat building and boat maintenance facilities with industrial site stormwater discharge permits.	Eliminated acronyms and jargon, added boat building facilities.
Objective 6.4. Ensure compliance of marina power washing activities with applicable state and federal laws.		
Objective 6.5. Deploy mooring systems that minimize environmental impacts to habitat and water quality.	Objective 6.5. Encourage municipalities to pilot, demonstrate, and require use of conservation moorings for boat mooring fields.	expanded and clarify the approach
<b>Action Plan 7 Protecting and Restoring Wetlands</b>		
Goal 7.1 Long-term increase of high-quality wetlands in Buzzards Bay and its surrounding watershed.	Goal 7.1 Promote the long-term increase of high-quality wetlands in Buzzards Bay and its surrounding watershed.	Change to active voice
Objective 7.1. To protect existing wetlands.	Objective 7.1. Improve protection of existing wetlands through laws, regulations, and government policies.	rewrote for clarity
Objective 7.2. To encourage restoration of degraded wetlands.	Objective 7.2. Encourage restoration of degraded and filled wetlands.	Dropped the word "To." And called out filled wetlands
Objective 7.3. To improve enforcement of wetlands laws.	Objective 7.3. Ensure enforcement of wetlands laws.	Dropped the word "To" and clarified meaning
Objective 7.4. To upgrade the effectiveness of local conservation commissions to protect wetlands.	Objective 7.4. Enhance the effectiveness of local conservation commissions to protect wetlands.	Refined wording
Objective 7.5. To create new wetlands habitat, especially habitat that can be used by threatened, rare and endangered coastal species and anadromous and catadromous fish.	Objective 7.5. Create new wetlands habitat, and enhance existing wetland habitat, especially habitat directly supporting threatened, rare and endangered coastal species and anadromous and catadromous fish.	Clarified and less passive.
	Objective 7.6. Ensure that adopted coastline climate resilience strategies are compatible with the migration of wetlands and barrier beaches.	New objective.
	Objective 7.7. Restore hydrology to tidally restricted salt marshes.	New objective includes climate recommendation
	Objective 7.8. Promote land management, land protection, and restoration that support potential marsh migration.	New objective.
	Objective 7.8. Assist municipalities with identifying and mapping marsh migration areas, and in identifying barriers to marsh migration and expansion.	New objective.
	Objective 7.9. Prioritize management actions for wetlands or rare or threatened species most vulnerable to climate impacts (with US endangered roseate tern habitat prioritized; see related recommendations in Action Plan 11).	New objective.

2013 CCMP Goal or Objective	2024 changed wording	Comments
	Objective 7.10. Support research to better understand how essential wetland habitat and threatened species may be impacted by climate stressors.	New research and climate related objective.
	Objective 7.11. Support a 15% increase in eelgrass bed acreage by 2035 (to 7,000 acres) as documented in the DEP long-term monitoring program) through water quality and habitat improvements, such as use of conservation moorings.	New objective.
<b>Action Plan 8 Restoring Migratory Fish Passage and Populations</b>		
Goal 8.1. Ensure that the migration of fish species between salt and fresh water is unimpeded.		
Goal 8.2. To restore degraded stream habitat and stream functions to ensure the diversity and abundance of fish in Buzzards Bay streams.	Goal 8.2. Restore degraded stream habitat and functions to ensure the diversity and abundance of fish species in Buzzards Bay streams.	Reworded for clarity
Goal 8.3. To manage fishing pressures on anadromous fish populations to ensure the fish harvest and bycatch are sustainable.	Goal 8.3. Manage fishing impacts on anadromous fish populations to ensure fish harvest and bycatch are sustainable.	Dropped the word "To: and improved wording.
Objective 8.1. Ensure adequate funding of state fisheries restoration programs.		
Objective 8.2. Ensure that local, state, and federal fisheries regulators manage better the catch and bycatch of river herring and other diadromous fish to promote their recovery and population sustainability.	Objective 8.2. Ensure that local, state, and federal fisheries regulators improve the management of the catch and bycatch of river herring and other diadromous fish to promote their recovery and population sustainability.	Reworded
Objective 8.3. Improve passageways and remove impediments and obstructions to fish migration.		
Objective 8.4. Ensure adequate stream flow for fish migration.		
	Objective 8.5. Strengthen drinking water and agriculture withdrawal regulations to ensure adequate flow for the passage of adult migratory fish in the spring and juveniles in the fall, especially during drought conditions.	New objective.
	Objective 8.6. Support monitoring and assessments of stressors affecting anadromous fish populations including stream flow, temperature, and mapping of obstructions and reproductive habitat.	New research related objective.
	Objective 8.8. Promote measures for nutrient control in freshwater habitats to ensure adequate water quality for fish anadromous fish spawning and recruitment.	New objective
	Objective 8.9. Support efforts to restore historic fish passage to the Weweantic River above the Tremont Dam	New objective?

2013 CCMP Goal or Objective	2024 changed wording	Comments
<b>Action Plan 9 Protecting Bio-Diversity and Rare and Endangered Species Habitat</b>	<b>Action Plan 9 Protecting Biodiversity and Natural Communities that support species considered Endangered, Threatened, or of Special Concern</b>	Added threatened species; wording made consistent with NHESP.
Goal 9.1. Conserve and protect vital fish and wildlife habitats of Buzzards Bay and in its surrounding watershed.	Goal 9.1. Conserve, protect, and enhance the native biological diversity of Buzzards Bay and in its surrounding watershed.	Changed wording to be more encompassing
Objective 9.1. Ensure that rare and endangered species areas and vernal pools continue to be mapped and this information made publicly available.	Objective 9.1. Ensure that habitats of species considered to be endangered, threatened, or of special concern, including vernal pools, continue to be mapped and this information made publicly available.	Changed wording
Objective 9.2. Ensure that rare and endangered species habitat is considered in the relevant permit review process.	Objective 9.2. Ensure that habitats of species considered to be endangered, threatened, or of special concern are considered in the Wetlands and Massachusetts Environmental Protection Act permit review process.	Changed wording
Objective 9.3. Ensure that important biological and core habitat is protected and conserved.	Objective 9.3. Ensure that important native biological habitat, as identified by MassWildlife’s Natural Heritage and Endangered Species Program, is protected and conserved.	Changed wording
Objective 9.4. Ensure that the public and government officials are aware of the importance of rare and endanger species and core bio-habitat through effective education efforts.	Objective 9.4. Ensure that the public and government officials are aware of the importance of the protection of species considered to be endangered, threatened, or of special concern, through effective education efforts.	Changed wording
	Objective 9.5. Support studies that promote a better understanding of how climate change will affect marsh dependent nesting species like the diamondback terrapin and marsh sparrow, and other coastal species such as Roseate Tern, Least Terns, and Piping Plovers.	Research objective added.
	Objective 9.6. Support and promote habitat restoration and enhancement efforts and specific projects that will protect and improve rare and endangered species habitat.	New objective.
	Objective 9.7. Support studies that assess the effect of climate change on wetland habitat area and quality.	New research related objective.
	Objective 9.8. Support studies that assess climate change impacts to biodiversity and efforts that meet biodiversity conservation goals in Massachusetts (Executive Order 618 as enacted by the Department of Fish and Game).	New research related objective.
	Objective 9.9. Support efforts to protect and restore the US Endangered Roseate tern populations in Buzzards Bay.	New objective.
<b>Action Plan 10 Managing Water Withdrawals to Protect Wetlands, Habitat, and Water Supplies</b>	<b>Action Plan 10 Managing Freshwater Recharge and Withdrawals to Protect Wetlands, Habitat, and Water Supplies</b>	

2013 CCMP Goal or Objective	2024 changed wording	Comments
Goal 10.1. Protect and preserve groundwater and surface water supplies in order to ensure a sustainable supply of high-quality drinking water.	Goal 10.1. Manage drinking, irrigation, and industrial water withdrawals to protect and preserve groundwater and surface water supplies to ensure a sustainable supply of high-quality drinking water.	Improved wording and added irrigation and industrial withdrawals explicitly to clarify scope of objectives.
Goal 10.2. Protect and restore the natural flows of rivers and the natural waters of ponds, lakes, and wetlands and the habitat that depend on them.	Goal 10.2. Protect and restore the natural recharge of the Buzzards Bay Watershed, and manage drinking, irrigation, and industrial withdrawals to protect and restore the natural flows of rivers and the natural waters of ponds, lakes, estuaries, and protect the wetlands and habitat that depend on them.	Improved wording and added irrigation and industrial withdrawals explicitly to clarify scope of objectives.
<del>Goal 10.3. Maintain natural hydrology.</del>	[deleted]	Redundant with goal 10.2.
Goal 10.4. Protect and preserve estuarine and brackish surface water habitats in river mixing zones.	Goal 10.3. Protect and preserve estuarine and brackish surface water habitats in river mixing zones.	Changed number
Objective 10.1. Encourage water use conservation and increase utilization efficiency to minimize water withdrawals, system losses, and associated impacts.	Objective 10.1. Encourage water conservation, reduce water distribution losses, and increase utilization efficiency to minimize environmental impacts from water withdrawals.	Simplified and clarified wording.
Objective 10.2. Encourage water reuse for irrigation, industrial process water, and other non-potable uses within public health constraints.		
Objective 10.3. Update state regulations to reduce the potential of affecting wetlands, surface waters, and other public water supplies.	Objective 10.3. Update state water withdrawal regulations to reduce the potential of affecting wetlands, surface waters, and other public water supplies.	Improved clarity
<del>Objective 10.4. Encourage LID techniques for enhanced stormwater recharge to maximize groundwater recharge.</del>		Addressed in stormwater action plan
<del>Objective 10.5. Manage water withdrawals and wastewater discharges from existing and new development to help maintain recharge to the aquifers.</del>		redundant with Objectives 10.1, 10.2, and 10.3.
Objective 10.6. Manage equally both public and private water withdrawals in a subwatershed, including the adoption of water use rates that encourage conservation.	Objective 10.4. Adopt local strategies, water rate structures, policies, and regulations that encourage conservation.	Simplified and clarified.
Objective 10.7. Limit non-essential water use during droughts.	Objective 10.5. Water managers should limit non-essential water use during droughts.	New number and clarified.
Objective 10.8. Develop new water supplies and improve infrastructure to improve distribution and reduce redundancy to avoid over utilization of existing wells.	Objective 10.6. Develop new water supplies and update infrastructure to reduce losses and improve efficiency and resiliency to avoid over utilization of existing wells and minimize potential impacts on natural water resources.	improved wording, eliminated "redundancy".

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 10.9. Identify and protect open space for future water supplies, when needed, located as far from significant surface water resources as possible to minimize potential impacts on natural water resources.	Objective 10.7. Identify and protect open space to support existing and potential future water supplies	Simplified to make clearer, the concept of distance depends upon the type of aquifer, so best to keep simple.
Objective 10.10. Incorporate new information, when available, from ongoing or planned state studies on water budgets and sustainable yields into local water resources planning and regulation.	Objective 10.8. Incorporate new information from studies water budgets, water withdrawals, and sustainable yields into local water resources planning and local and state water withdrawal regulations, and the State Interbasin Transfer regulations.	Removed words to make clearer
Objective 10.11. Encourage accurate tracking of water use by agricultural users and promote agricultural BMP practices for water conservation.	Objective 10.9. Encourage accurate tracking of water use by agricultural users and promote agricultural best management practices for water conservation.	Eliminated acronyms and jargon.
Objective 10.12. If and when desalinization occupies a water supply role in the watershed, encourage control technologies and operational measures that minimize entrainment and impingement impacts at intakes and preserve the natural salinity structure of receiving water bodies at outlets.	Objective 10.10. Any future desalinization facilities must minimize entrainment and impingement impacts at intakes and preserve the natural salinity of receiving waters.	Simplified wording.
Objective 10.13. Collect and maintain water use data in support of this action plan and for tracking success.	Objective 10.11. Collect and maintain water use data in support of this action plan and for tracking success.	new number.
	Objective 10.14. Encourage revisions to the Interbasin Transfer Act to reflect impacts to individual river basins, like the Mattapoissett River basin, rather than addressing only transfers in or out of the Buzzards Bay basin.	New objective.
	Objective 10.15. Promote research to understand drinking water and groundwater availability, and impacts of withdrawals	New objective to generate information for government action in objective 10.8.
<b>Action Plan 11 Managing Invasive and Nuisance Species</b>	<b>Action Plan 11 Managing Invasive Species</b>	Nuisance species are problematic non-native species and redundant with "invasive."
Goal 11.1. Minimize the potential introduction of new invasive and nuisance species to Buzzards Bay and its surrounding watershed.	Goal 11.1. Minimize the potential introduction of new invasive species to Buzzards Bay and its surrounding watershed.	Changed wording
Goal 11.2. Reduce the extent and limit the spread of existing invasive and nuisance species that are degrading habitats of Buzzards Bay and its surrounding watershed.	Goal 11.2. Reduce the extent and limit the spread of existing invasive species that are degrading habitats of Buzzards Bay and its watershed.	Changed wording
Objective 11.1. Adopt and enforce laws, regulations, and policies that will reduce the potential spread of invasive species.		

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 11.2. Educate the public, farmers, nursery owners, fisherman, pet storeowners, shipping industry, and other relevant sectors about individual actions that can be taken to reduce the threat of introducing invasive and nuisance species to the environment.	Objective 11.2. Educate the public, farmers, nursery owners, fisherman, pet-store owners, shipping industry, and other relevant sectors about individual actions that can be taken to reduce the threat of introducing invasive species to the environment.	Changed wording
Objective 11.3. Fund and promote actions and studies to control and reduce existing populations of invasive and nuisance species.		
Objective 11.4. Monitor existing and new invasives in order to help discern introduction pathways and to identify species in early stages of introduction where there may be a slight potential for containment.	Objective 11.4. Monitor existing and new invasives to help discern introduction pathways and to identify species in early stages of introduction to improve the chance for containment.	Simplified wording.
	Objective 11.5. Support studies of the role of climate change on invasive species contributing to habitat loss in the Buzzards Bay watershed.	New research related objective.
	Objective 11.6. Prioritize or support efforts to control invasive species where control is likely to be effective.	New objective to limit efforts and funding to where it can make a difference.
	Objective 11.7. Support the development and implementation of rapid response plans for invasive species.	New objective.
<b>Action Plan 12 Protecting Open Space</b>		
Goal 12.1. Preserve the ecological integrity of Buzzards Bay and its watershed by increasing the amount of permanently protected open space.		
Objective 12.1. Improve and protect coastal and inland surface water quality through land protection.	Objective 12.1. Improve and protect coastal and inland surface water quality and groundwater supplies through land protection.	
Objective 12.2. Protect biodiversity in the watershed.	Objective 12.2. Permanently protect land that supports species biodiversity in the watershed.	Corrected wording
<del>Objective 12.3. Protect the region's groundwater supplies.</del>	[deleted].	incorporated in 12.1
Objective 12.4. Improve the land conservation community's ability to protect open space.	Objective 12.3. Increase local land conservation capacity to protect open space.	Changed number and clarified wording. Capacity reflects changes in laws, funding, technical support, etc.
	Objective 12.4 Protect land which will allow for the migration of salt marshes with sea level rise or provide connectivity to other habitats.	New objective
	By 2035, permanently protected 40% of the Buzzards Bay watershed.	New numeric objectives

2013 CCMP Goal or Objective	2024 changed wording	Comments
	Objective 12.6 Manage protected open space to maintain and promote the greatest possible degree of natural biodiversity and to maintain appropriate amounts of natural groundwater recharge.	New Objective
<b>Action Plan 13 Protecting and Restoring Ponds and Streams</b>		
Goal 13.1. Ensure that beneficial water uses will not be lost, nor ecosystems adversely affected, by pollution discharges, nuisance species, or alterations of flow to fresh surface waters in the Buzzards Bay watershed.	Goal 13.1. Protect surface waters to ensure that beneficial water uses will not be lost nor ecosystems adversely affected by pollution discharges, non-native species, climate change, or flow alterations in the Buzzards Bay watershed.	Added climate change.
Goal 13.2. Restore any beneficial water uses and ecosystem functions lost in watershed freshwater systems caused by pollution discharges, nuisance species, or alterations of flow and volume.	Goal 13.2. Restore any beneficial water uses and ecosystem functions lost in watershed freshwater systems caused by pollution discharges, non-native species, or alterations of flow and volume.	
Objective 13.1. Help adopt TMDLs for all freshwaters.	Objective 13.1. Help adopt total maximum daily loads for all freshwaters.	
Objective 13.2. Help ensure that plans are developed and implemented to meet recommended TMDLs.	Objective 13.2. Help ensure that plans are developed and implemented to meet recommended total maximum daily loads.	Eliminated acronym.
Objective 13.3. Help restore impaired wetlands habitat.		
Objective 13.4. Protect open space that enhances and protects lakes, ponds, and streams.		
	Objective 13.5. Support studies that result in a better understanding of threats to ponds and streams.	New research related objective.
	Objective 13.5. Assess use and impairments for all ponds and streams not yet assessed in the state integrated list of impaired waters	New objective that reflects unassessed status of many water bodies. Make a numeric goal?
	Objective 13.6 Encourage wastewater and stormwater management strategies that minimize direct and indirect phosphorus discharges to surface waters.	
<b>Action Plan 14 Reducing Beach Debris, Marine Floatables, and Litter in Wetlands</b>	<b>Action Plan 14 Reducing Trash in Wetlands and Waterways</b>	Floatables is a redundant term, and trash a more commonly used term now
Goal 14.1. To ensure that Buzzards Bay beaches, coastal waters, and inland wetlands habitat are clear of harmful and degrading levels of marine debris.	Goal 14.1. Ensure that Buzzards Bay beaches, coastal waters, and inland wetlands habitat are clear of harmful, degrading, and nuisance levels of trash.	Dropped the word "To."
Objective 14.1. Ensure an adequate number and capacity of waste disposal barrels be provided at public beaches and public and private marinas, and boat haul-outs.	Objective 14.1. Ensure waste disposal barrels are provided at public beaches and marinas, private marinas, parks, and boat haul-outs.	simplified and clarified

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 14.2. Stormwater discharge BMPs should include strategies to reduce or eliminate discharges of debris and floatables.	Objective 14.2. Manage stormwater discharges to reduce or eliminate discharges of trash.	Eliminated acronym, simplified, clarified
Objective 14.3. Encourage fishermen to not dispose of fishing lines, nets, cables, and trash at sea or on shore.	Objective 14.3. Encourage fishermen to not dispose of fishing lines, nets, cables, and trash at sea, and instead properly dispose ashore.	Reworded, clarified
Objective 14.4. Educate the public and businesses on the importance of reducing litter and marine debris discharges and involve them in the potential solutions.	Objective 14.4. Educate the public and businesses on the importance of reducing trash inputs to the environment and involve them in the potential solutions.	Reworded, clarified
Objective 14.5. Ensure that state and local officials work in concert to reduce litter on public lands, beach debris, and marine floatables.	Objective 14.5. Support state and local efforts to reduce trash on beaches and in wetlands.	Reworded, clarified
Objective 14.6. Identify and map important debris location sites, natural collection points, and potential remediation strategies.	Objective 14.6. Identify and map important trash sites, natural collection points, encourage and support clean-up and remediation efforts and implement strategies that reduce future debris.	Revised for clarity and intent.
<b>Action Plan 15 Managing Coastal Watersheets, Tidelands, and the Waterfront</b>		
Goal 15.1. To manage the uses and activities in the waters and on the tidelands of Buzzards Bay in an integrated manner using sound assessments of natural resources, habitat, and water quality, to ensure sustainable recreational and commercial activities while protecting and improving ecosystem health and values.	Goal 15.1. Manage the uses and activities in the waters and on the tidelands of Buzzards Bay using sound comprehensive assessments of natural resources, habitat, and water quality, to ensure sustainable recreational and commercial activities, including aquaculture, while protecting and improving ecosystem health and values.	Dropped the word "To", Added aquaculture as a call out to commercial activities, simplified wording.
Goal 15.2. Ensure that the effects of dredging activities are minimized on water quality, physical processes, marine productivity, and public health, and that the beneficial use of dredged sediments is maximized.	Goal 15.2. Minimize negative impacts of dredging activities on water quality, physical processes, marine productivity, and public health.	Split 15.2 into two goals, simplified wording
	Goal 15.3. Maximize beneficial use of dredged sediments.	Split 15.2 into two goals, simplified wording
Objective 15.1. Develop and improve upon geographic databases identifying habitat, natural resources, seabed characteristics, and contamination or impairment hotspots of lands under the ocean to establish a strong technical basis for embayment watershed planning and management.	Objective 15.1. Develop and improve upon geographic databases identifying habitat, aquaculture grants, natural resources, seabed characteristics, and contamination or impairment hotspots of lands under the ocean to establish a strong technical basis for embayment watershed planning and management.	Added aquaculture grants.



2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 15.2. Promote the development and implementation of municipal embayment management plans to manage the watersheet, protect water quality, vital natural resources, and tideland habitat, and increase shoreline resilience to storms and rising sea level, while allowing sustainable uses.	Objective 15.2. Promote the development and implementation of municipal embayment management plans that manage the watersheet uses and structures to protect water quality, natural resources, and tidelands habitats. Strategies should help increase shoreline resilience to storms and rising sea level, ensure dredging is protective of natural resources and habitats, and designate areas appropriate for sustainable uses including aquaculture and alternative energy.	Rewrote for clarity and added aquaculture.
Objective 15.3. Ensure that dredging methods and timing be conducted to minimize adverse impacts, and where appropriate, transfer sensitive resources out of areas to be dredged.	Objective 15.3. Ensure that dredging methods and timing are conducted to minimize adverse impacts, and where appropriate, transfer sensitive resources out of areas to be dredged.	Change to active wording.
Objective 15.4. To maximize the beneficial uses of dredged material by creating opportunities by pre-designating or pre-permitting receiving areas (e.g., beach nourishment zones) to expedite permitting, and through increased funding.	Objective 15.4. Maximize the beneficial uses of dredged material by creating opportunities by pre-designating or pre-permitting receiving areas (e.g., beach nourishment zones) to expedite permitting, and through increased funding.	Dropped the word "To."
	Objective 15.3. Support updates to the Massachusetts Ocean Management Plan and Massachusetts Environmental Policy Act regulations to protect critical marine habitat and important water-dependent uses for ocean-based projects, including cumulative impacts of aquaculture and energy-related activities.	New objective.
<b>Action Plan 16 Reducing Toxic Pollution</b>		
Goal 16.1. Protect public health and the bay ecosystem from the effects of toxic contamination.		
Objective 16.1. To reduce the amount of toxic contamination entering Buzzards Bay and water bodies listed under the 303(d) program.	Objective 16.1. Reduce toxic contaminant discharges to Buzzards Bay and reduce toxic loads to toxic contaminant impaired water bodies listed under section 303(d) of the Clean Water Act.	Dropped the word "To" and clarified wording.
Objective 16.2. To eliminate hazardous discharges of toxic contaminants from point sources into the bay.	Objective 16.2. Eliminate hazardous discharges of toxic contaminants from point and non-point sources into the bay.	Dropped the word "To." Added non-point from former objective 16.4
Objective 16.3. To reduce the discharge of toxic contaminants and contaminants of emerging concern into wastewater systems (both septic and sewer).	Objective 16.3. Reduce the discharge of toxic contaminants and contaminants of emerging concern into public and private wastewater systems.	Dropped the word "To" and wording of public and private wastewater systems is more encompassing.
<del>Objective 16.4. To reduce hazardous discharges from nonpoint sources of toxic contaminants into the bay.</del>		Combined with 16.2
Objective 16.5. To meet all state, federal, and local action levels for water and seafood.	Objective 16.4. Meet all state, federal, and local action levels for water and seafood.	Dropped the word "To."

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 16.6. To improve local, state, and federal regulation and control of seafood and sediment quality to protect human health and the environment.	Objective 16.5. Improve local, state, and federal regulation controlling seafood and sediment quality to protect human health and the environment.	Dropped the word "To."
<b>Action Plan 17 Preventing Oil Pollution</b>		
<b>Action Plan 17 Preventing Oil Pollution</b>	<b>Action Plan 17 Preventing Oil and Other Petroleum-Based Pollution</b>	Expanded scope of chemicals in title
Goal 17.1. Reduce the amount of petroleum hydrocarbons released to Buzzards Bay.	Reduce the amount, frequency, and impacts of petroleum hydrocarbons spills and discharges to Buzzards Bay.	Combine goals 17.1, 17.2, 17.3
<del>Goal 17.2. Prevent the occurrence of oil spills in Buzzards Bay, both large and small.</del>		
<del>Goal 17.3. Minimize the environmental effects from oil inputs to Buzzards Bay.</del>		
Objective 17.1. To promote a regional strategy for preventing oil spills and hydrocarbon discharges.	Objective 17.1. Promote a regional strategy for preventing oil spills and hydrocarbon discharges.	Dropped the word "To."
Objective 17.2. To promote a coordinated and effective regional strategy for responding to large oil spills.	Objective 17.2. Promote a coordinated and effective regional strategy for responding to large oil spills.	Dropped the word "To."
Objective 17.3. To implement a source-reduction plan for chronic inputs of hydrocarbons into Buzzards Bay.	Objective 17.3. Implement source-reduction plans for chronic inputs of hydrocarbons into Buzzards Bay.	Dropped the word "To." Minor rewording.
Objective 17.4. To provide adequate facilities for the collection of waste oil from cars and boats.	Objective 17.4. Provide adequate facilities for the collection of waste oil from cars and boats.	Dropped the word "To."
Objective 17.5. To take enforcement actions against the illegal discharge of oil.	Objective 17.5. Take enforcement actions against the illegal discharge of oil.	Dropped the word "To."
	Objective 17.6. Ensure vessel and boat refueling operations prevent petroleum spills and respond to such spills when required.	New objective.
<b>Action Plan 18 Planning for a Shifting Shoreline and Coastal Storms</b>		
Goal 18.1. Protect public health and safety from problems associated with coastal hazards including rising sea level, shifting shorelines, and damage from storms and storm surge.		
<del>Goal 18.2. Reduce the public financial burden caused by the destruction of or damage to coastal property.</del>	[deleted]	Deleted this goal. Reducing financial burdens are outside the realm of the CCMP mission.

2013 CCMP Goal or Objective	2024 changed wording	Comments
Goal 18.3. Plan for shifting shorelines and the inland migration of buffering wetlands and shifting sand formations, and the species that utilize these habitats.	Goal 18.2. Plan for shifting shorelines and the inland migration of coastal wetlands, dunes, and barrier beaches.	Clarified and simplified wording.
Objective 18.1. To incorporate sea level rise, increased frequency and intensity of coastal flooding, and shoreline change phenomena into all relevant planning and management programs.	Objective 18.1. Incorporate sea level rise, increased frequency and intensity of coastal flooding and storms, and expected shoreline change into all relevant planning and management programs.	Improved wording.
Objective 18.2. To develop a comprehensive strategy for handling existing structures in areas that will be affected by future shoreline changes and other coastal hazards.	Objective 18.2. Develop a comprehensive strategy to address existing structures and public infrastructure in areas that will be affected by future shoreline changes and other coastal hazards.	Improved wording.
Objective 18.3. To adopt regulatory and non-regulatory measures for guiding growth and development in areas that will be influenced by coastal flooding and new shorelines.	Objective 18.3. Adopt regulatory and non-regulatory strategies to guide growth to areas not expected to be affected by coastal storms, flooding, and shoreline changes, and when appropriate require resilient growth and development strategies in these areas.	Clarified wording.
<del>Objective 18.4. To encourage continued restructuring of the national flood insurance program to discourage development in flood-prone areas.</del>		Deleted, this is not a locally actionable objective.
Objective 18.5. To adopt emergency response plans to reflect additional needs and constraints caused by reduced access and increased flooding potential of developed coastlines.	Objective 18.4. Adopt state and local emergency response plans to address emergency conditions caused by reduced access and flooding of coastlines.	Clarified and improved wording; new number.
	Objective 18.5. Support research and monitoring into the efficacy of management practices to prevent salt marsh loss or restore or create marsh habitat.	New research related objective.
	<del>Objective 18.6. Monitor and model salt marsh loss to prioritize active and passive management approaches.</del>	New research related objective.
<b>Action Plan 19 Protecting Public Health at Swimming Beaches</b>		
Goal 19.1. Reduce or eliminate pollution sources contributing to beach closures.		
Goal 19.2. Manage beach use to reduce human exposure and health risks based on site-specific conditions.		
Objective 19.1. Reduce contaminated stormwater discharges to beach areas.		
Objective 19.2. Increase public awareness about areas prone to contamination or conditions that may lead to elevated contaminant levels at beaches.		
Objective 19.3. Prohibit pet use of beaches and encourage pet waste collection in stormwater drainage areas.		

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 19.4. Develop and implement more rapid assays to document existing conditions, and where necessary implement preemptive rainfall closures.		
<b>Action Plan 20 Monitoring Management Action, Status, and Trends</b>		
Goal 20.1. To document environmental trends of water quality and living resources in order to assess the effectiveness of management actions taken or identify the need for new actions.	Goal 20.1. Document environmental trends of water quality, living resources, and habitat to assess the effectiveness of management actions taken or identify the need for new actions.	Dropped the word "To." Added habitat (rather than just marshes)
Goal 20.2. Identify research and monitoring needs to understand more clearly the causes of impairments, reduce uncertainties about health risks, and better define conditions in Buzzards Bay.		
Objective 20.1. Collect and monitor programmatic actions to document implementation of Buzzards Bay CCMP recommended actions.	Objective 20.1. Collect and monitor programmatic actions to document implementation of the Buzzards Bay Comprehensive Conservation and Management Plan.	eliminated acronym and simplified
Objective 20.2. Ensure that regulatory agencies define essential monitoring requirements and collect data necessary to evaluate program and project success.		
Objective 20.3. Ensure that funding is available to implement essential monitoring programs.		
Objective 20.4. Revise and adapt monitoring programs to meet changing needs and information gaps.		
Objective 20.5. Disseminate data and syntheses of information to scientists, managers, and the public.		
Objective 20.6. Encourage scientists and agencies to evaluate emerging contaminants and other stressors to the environment.		
	Objective 20.7. Track NEP funding to help ensure environmental justice and environmental equity goals are met.	New EJ objective.
<b>Action Plan 21 Enhancing Public Education and Participation</b>		
Goal 21.1. To expand the public's knowledge of the natural resources and water quality of Buzzards Bay and surrounding watershed and the threats they face.	Goal 21.1. Expand the public's knowledge of the natural resources and water quality of Buzzards Bay and surrounding watershed and the threats they face.	Dropped the word "To."
Goal 21.2. To increase public participation in actions that support the goals, objectives, and recommendations in the Buzzards Bay CCMP.	Goal 21.2. Increase public participation in actions that support the goals, objectives, and recommendations in the Buzzards Bay Comprehensive Conservation and Management Plan.	Dropped the word "To." Eliminated acronym

2013 CCMP Goal or Objective	2024 changed wording	Comments
Objective 21.1. To better convey concepts of watersheds and the flow of water from precipitation along the land surface and in the ground.	Objective 21.1. Expand the public’s knowledge of concepts of watersheds and the flow of water from precipitation along the land surface and in the ground.	More direct wording.
Objective 21.2. To better convey an understanding of pollution sources and pathways in the environment.	Objective 21.2. Expand the public’s knowledge of pollution sources and pathways in the environment.	More direct wording.
Objective 21.3. To improve the public understanding of human and natural effects on plant and animal populations and ecosystems.	Objective 21.3. Improve the public understanding of human and natural effects on plant and animal populations and ecosystems.	Dropped the word "To."
	Objective 21.4. Promote community involvement in planning and environmental decision-making to maintain and enhance the environmental quality of their neighborhoods.	New EJ-related objective.