Summary of Actions in New York Ocean Action Plan

Last updated: July 1, 2026

*Any action with all steps marked "Complete" and/or "Significant Progress" are considered complete.

NEW YORK STATE | Department of Environmental Conservation

Goal 1: Ensure the Ecological Integrity of the Ocean Ecosystem

Action	Description	Steps	Progress
1	Evaluate, prioritize, and remove or modify known impediments to diadromous fish passage.	Work with estuary programs (LI, Hudson, Delaware) to prioritize sites	Complete
		Research fish passage technologies	Significant Progress
		Feasibility studies to design and implement removal modification of 2 sites	Complete
		Install educational signs and explore stewardship opportunities	Significant Progress
2	Develop a seagrass management program that will implement seagrass management plans for designated seagrass management areas.	Designate seagrass management areas	In Progress
		Coordinate monitoring, research, restoration	In Progress
		Submerged aquatic vegetation mapping survey in LI estuaries	Significant Progress
		Examine restoration sites with negative impacts, high economic impact, and a likelihood to reduce N2	In Progress
		Investigate impacts of groundwater contaminants on seagrass loss	In Progress
3	Monitor tidal wetland loss (trends), water quality and implement restoration in estuaries and embayments.	Monitor water quality parameters at Surface elevation table (SET) sites	Significant Progress
		Integrate water quality and SET data to evaluate marsh loss and restoration potential in these embayments	In Progress
		Complete tidal wetlands mapping trends analyses through work funded by USEPA	In Progress
		Acquire and map new tidal wetlands data. Update Tidal Wetland Trends analysis within 5 years	In Progress
		Investigate drivers of tidal wetland loss and marsh migration on a site-specific basis	In Progress
		Inventory of tidal wetland conservation and restoration sites (starting with state owned lands)	In Progress
		Create centralized database for tidal wetland information to assist regulators	In Progress
		Create regional marsh monitoring framework including monitoring protocol and metrics to be used for all restoration	Complete
4	Strengthen criteria for designation of significant coastal fish and wildlife habitats (SCFWH) and designate new areas as SCFWH in state waters (0-3 nautical miles).	Update supporting data and impact assessment language in Technical Memorandum to identify stressors	Not Initiated
		DEC identifies, DOS designates marine areas (state waters) to be included in the NY Coastal Management Plan	In Progress
5	Implement the Long Island Pesticide Pollution Prevention Strategy to protect groundwater and surface water resources from pesticide-related contamination.	Form a Technical Review and Advisory Committee (TRAC) to identify pesticides	Complete
		Evaluate toxicity of compounds to finfish and shellfish	In Progress
		Evaluate synergistic effects of multiple compounds on ocean biodiversity	Not Initiated
		Establish water quality monitoring program to assess trends in ground and surface waters.	Significant Progress
		Implement Long Island Pesticide Pollution Prevention Strategy (2014) pesticide p2 blueprint	In Progress
6	Recommend solutions for reducing contaminants of emerging concern.	Monitor, identify, and assess effect of contaminants on marine life and ecological processes	In Progress
		Support STOP programs and investigate feasibility of establishing collection and takeback programs	In Progress
		Develop and propose water quality standards to protect aquatic life from CECs	In Progress

7	Evaluate impacts from two sewage treatment outfalls located in ocean waters.	Evaluate environmental impacts on two existing WWTP ocean outfalls (Cedar Creek and Bergen Point)	In Progress
		Evaluate environmental impacts of increasing effluent to ocean outfalls from Bay Park WWTP	Significant Progress
		Predict future impacts to ocean water quality, sediments, and benthic habitat of outfalls	In Progress
		Implement baseline monitoring program at any proposed ocean outfall site	Significant Progress
		Develop a state policy to guide decisions on the placement of future outfall sites in ocean locations	Not Initiated
8*	Develop strategies to reduce pathogen and nutrient loads from onsite wastewater treatment systems (OWTS) into the Long Island South Shore Estuary Reserve (SSER).	Develop numeric performance criteria for nutrient removal	Complete
		Identify onsite wastewater treatment systems that don't conform to Suffolk County sanitary code	Complete
		Conduct feasibility study to determine economic and ecological viability of requiring alternative systems and funding sources	Complete
		With LINAP develop strategies to reduce N2 load into SSER and develop a total maximum daily load for SSER	Complete
9	Reduce bycatch in New York fisheries.	Support NOAA observer coverage to start in state waters and increase coverage in federal waters	Complete
		Evaluate development of electronic monitoring tools as cost-effective alternative to observers	In Progress
		Use Vessel Trip Reports (VTR) and CCE reports to create a document providing detailed characterization of all fisheries in NYS	In Progress
10	Create an inshore trawl survey and monitoring program.	Continued financial support of NEAMAP and create supplemental inshore trawl surveying in state waters	Complete
		Evaluate need to expand inshore monitoring surveys to include embayments to determine impacts of natural and anthropogenic stressors	Not Initiated
11	Develop and implement a cooperative fisheries research program for state waters.	Partner with commercial and recreational fishermen to design, implement, and fund a cooperative fisheries research program	In Progress
		Develop transparent process to share these results with fishing industry and improve communication between scientists, managers, and fishermen	Not Initiated
12*	Monitor abundances for both species of river herring, alewife (*Alosa* pseudoharengus) and blueback (Alosa aestivalis), in the Hudson River estuary.	Develop dependent and independent methodology to capture river herring to characterize Hudson River populations	Significant Progress
		Based on step 1, establish continuous, long-term monitoring programs	Significant Progress
		Using this data, evaluate effectiveness of regulation changes since 2012	Significant Progress
13	Monitor distribution and habitat requirements of Atlantic surfclams in New York State waters.	Monitor physical parameters of surf clam habitats (min 3 seasons) and assess population condition to predict changes due to climate.	In Progress
		Monitor and assess population status and diseases of commercially important shellfish	In Progress
		Secure resources for monitoring and screening for pathogens and parasitism	In Progress
		Evaluate feasibility of restoration of oysters and hard clams in growing waters - look to pilot projects	Significant Progress
14	Investigate population declines of American lobster inshore, offshore and in estuaries.	Establish pilot lobster monitoring survey (3 years) to determine recruitment trends in state waters	Not Initiated
		Integrate all available data (incl step 1) with coastwide data to designate critical lobster habitat for protection	Not Initiated

15	Monitor Ocean Acidification and investigate the impacts of ocean acidification on shellfish and crustaceans.	Develop methods to access shellfish and crustacean impacts from ocean acidification and predict future responses	Significant Progress
		Evaluate potential physical responses and susceptibility to increased predation due to a variety of human induced stressors	In Progress
		Review and evaluate federal and state strategies development to minimize ocean acidification	In Progress
		In addition to Action 8 steps work with local municipalities to reduce N2 into surface waters by upgrading wastewater infrastructure	In Progress
		Collaborate on ocean acidification monitoring network to develop strategies for NY	In Progress
16	Assess blue crab (*Callinectes sapidus*) abundance and life history characteristics and predict future population trends in Great South Bay and other marine waters.	Conduct intensive trawl survey in GSB in each season and determine winter mortality	Significant Progress
		Track movement patterns of blue crab populations	Complete
		Develop models to predict future blue crab pop status	In Progress
		Develop a Blue Crab Management Plan for New York State waters	Not Initiated
17	Monitor whelk (sp.) abundance and movements inshore, offshore and in estuaries.	Develop pilot monitoring survey (3 years) to determine trends in NY whelk populations	In Progress
		Investigate effectiveness of tagging methods to track whelk movements	Not Initiated
		Assess need for long-term tagging and/or monitoring in state waters	Not Initiated
18	Investigate Atlantic sturgeon (Acipenser oxyrhynchus) habitat association in the Hudson River, inshore, offshore and in estuaries.	Identify data gaps and conduct additional, multi-tech research to determine sturgeon habitat use	In Progress
		Using step 1, develop habitat maps for sturgeon in Hudson and inshore ocean	In Progress
		Monitor juvenile and adult pops offshore and in estuaries to assist state, fed, coastal management decisions	In Progress
19	Design and implement a monitoring survey to determine baseline trends for large whales in the New York Bight	Design survey methods and work plans to establish baseline trends for SGCN designated whales to establish long term monitoring	Complete
		Establish whale monitoring survey (min 3 years) to determine baseline trends, seasonal occurrence, migratory corridors with NY oceanic waters	Complete
		Establish state-fed partnership to repeat survey every 5 years to ensure baseline data has shifted and if so, due to what factors	In Progress
20	Design and implement focused, long-term monitoring surveys for large whales to investigate the impacts of human activities and for effective conservation planning.	See action 19. Establish long term whale monitoring and refined study areas with human activity	In Progress
		Identify and pursue actions seeking to reduce whale mortality due to human activities	In Progress
		Support marine mammal and turtle stranding efforts in state waters. Use information to focus long term monitoring efforts	In Progress
21	Design and implement a monitoring survey for Sea Turtles in the New York Bight.	Design and implement sea turtle monitoring	In Progress
		Identify and implement appropriate conservation actions for sea turtles in NY Bight	In Progress
	Monitor distribution and relative abundance of finfish,	Maintain current coastal passive acoustic telemetry receiver array on South Shore and in the Hudson to be part of a larger, regional data collection network	In Progress

22	large pelagic, and endangered and threatened marine species inshore, offshore and in estuaries.	Extend telemetry array to cover federal waters especially in areas considered for offshore development	In Progress
		Identify and protect important marine habitat in NYS waters	In Progress
23*	Expand the New York Natural Heritage Program to include additional marine species and offshore habitats.	Expand NYNHP to include marine species and marine areas of ecological significance	Complete
		Add detailed info on marine species and marine habitat into current NatureServ database	Complete
		Expand iMapInvasives to include data on invasive marine taxa	Complete
24	Evaluate horseshoe crab (*Limulus polyphemus*) abundance and connectivity inshore, offshore and in estuaries.	Maintain the long-term spawning stock monitoring and tagging program to track migration into offshore and estuarine waters	Significant Progress
		Explore the effectiveness of this monitoring method to estimate the pops and implement long-term coordinated monitoring	In Progress
		Identify optimal spawning beaches around LI and assess need for increased law enforcement at these sites	In Progress
		Assess adverse impacts of beach renourishment projects at optimum spawning sites and develop ways to reduce those impacts	Not Initiated
25	Reduce the incidental catch of marine mammals, sea turtles, seabirds, and Atlantic sturgeon.	Conduct gear modification studies to reduce bycatch including Atlantic Sturgeon bycatch via acoustic telemetry	In Progress
		Develop and recommend solutions to reduce incidental catch of protected resources. See Action 9 and 10	In Progress
		Working with federal managers and using this data, update statute requiring all vessels to implement gear modification requirements	Not Initiated
26	Establish an aquatic invasive species monitoring network for the ocean.	Establish an aquatic invasive species monitoring network and early detection alert system to track spread of invasives	Significant Progress
		Establish notification system to alert neighboring states of new detections and develop rapid response protocols	In Progress
		Assess need for and propose new regs to prevent introduction and spread of aquatic invasive species via boat trailers and	Significant Progress
		Establish Invasive Species Contingency Fund to be used for rapid response to combat spread of invasive species	Not Initiated
27	Examine predator-prey dynamics within foraging hotspots located in estuaries, inshore, and offshore.	Compile and integrate existing information gathered in identified important foraging areas within ocean ecosystem	In Progress
		Assess research priorities to fill data gaps on understanding ecosystem function along with climate change uncertainties	In Progress
		Assess forage fish availability as prey to predators in state waters and increase understanding of forge fish role in NYS ocean ecosystem	In Progress
28	Investigate natural and anthropogenic factors that are potentially contributing to winter flounder declines within New York embayments.	Evaluate effects of predation, temp, DO, contaminated sediments on young of year winter flounder growth and conditions	In Progress
		Improve water and sediment quality in targeted, existing habitat to reduce environmental stressors	Not Initiated
29	Increase New York's participation at regional and interstate fisheries management meetings.	Develop and implement Fishery Management and Policy Advisory Program within DEC	In Progress
		Support timely reporting of state commercial and recreational harvest data through VTRs and ACCSP efforts	In Progress
		Enhance Marine Resource Advisory Council (MRAC) to improve fishery community engagement in decision making	In Progress
		Design and develop a new Marine Permit System to improve customer service	In Progress

30	Promote improved management of deep-sea corals and sponges within the New York Bight.	Encourage and collaborate on NOAAs strategic plan for deep-sea coral and sponge ecosystems.	In Progress
		Characterize susceptibility of deep corals to invasive species and fishing/nonfishing activities	In Progress
		Assess, develop, and implement mitigation measures to minimize impacts of fishing and other activities on deep-sea coral and sponge ecosystems	Not Initiated
31	Integrate avian conservation into research, management, and offshore planning.	Designate new Bird Conservation Area (BCA)s in coastal areas and expand BCA program to include offshore hotspot areas	In Progress
		Integrate BCA program information from various seabird survey sources to document and predict important coastal and offshore hotspots	In Progress
		Assess relative risks to seabirds with NY's coastal and offshore areas to help inform decisions about offshore planning and	Significant Progress
32*	Establish a baseline ocean monitoring system for the New York Bight.	Establish and convene a working group consisting of experts from gov/NGOs to compile a list of current and past research projects and analyze any available datasets	Complete
		Create centralized public data repository to help identify information gaps. Evaluate and improve current data collection programs	Complete
		Identify and prioritize ongoing needs for ocean observing platforms and develop one to achieve state objectives related to ocean monitoring	Significant Progress
		Create a system for monitoring all physical and chemical components of ocean ecosystem	Complete
33	Develop an ocean indicators system for the New York Bight.	Analyze available data from existing ocean observing systems to establish ocean indicators	Complete
		Integrate system with federal and regional monitoring and indicator frameworks including guidance on protocols and training	In Progress
		See Action 32 develop "Ocean Health Index" to identify actions and adapt existing management for Mid-Atlantic initiatives	In Progress
34*	Publish a State of the Ocean report.	"State Of" report will be released to assess progress thus far. Update the OAP based on the report	Complete

Goal 2: Promote Economic Growth, Coastal Development and Human Use of the Ocean in a Manner Sustainable and Consistent with Maintaining Ecosystem Integrity

Action	Description	Steps	Progress
35	Assemble and analyze resource and use data for offshore planning.	Implement and enhance Geographic Information Gateway to provide data from NY Offshore Atlantic Ocean Study and supporting reports	Significant Progress
		Continue collaboration to obtain additional data and information to refine offshore planning efforts	Significant Progress
		Conduct geospatial analyses to identify ocean habitats of importance that support NY's resources and uses. Discuss with NYS and ad-hoc Offshore Habitat Workgroup, stakeholders to coordinate with MidA-RPB	In Progress
		Integrate available data and info on existing uses and resources into assessments to identify areas for wind energy development	In Progress
36	Identify essential ecosystem services in the New York Bight and assess their vulnerability to impacts from human activities and climate change.	Using data from Goal 1, incorporate ecosystem structure and components into models (such as Ecopath)	In Progress
		Couple socioeconomic information into ecosystem models to evaluate impacts of human uses	In Progress
		Use ecosystem service valuation (ESV) to determine economic value of ecosystems goods and services by estuary, wetland, beach, ocean, etc.	In Progress
37	Develop and evaluate alternative future use scenarios and tradeoffs between ecosystem services and ocean use.	Identify range of potential future use scenarios based upon information regarding impacts of human uses and ecosystem conditions	In Progress

38*	Identify goals for environmental assessments to better understand effects of offshore renewable energy development on wildlife.	Define site-specific wildlife and marine wind energy assessment goals for a better understanding of information needed to guide permitting process for offshore wind	Significant Progress
		Identify data gaps to better understand how offshore wind energy infrastructure affects wildlife	Complete
39	Assess the effectiveness of BMPs and other measures used to mitigate adverse effects of anthropogenic sources of underwater noise.	Identify review synthesize literature describing effects of all potential noise sources marine species	Complete
		Identify and assess effectiveness of mitigation measures, BMP and alt technologies used to minimize adverse impacts of noise	In Progress
		Deploy passive acoustic sensors in NY Bight to establish baseline acoustic conditions	In Progress
40	Represent New York's interests in the Mid-Atlantic Regional Planning Body (MidA RPB) ocean planning process.	Use info from offshore and estuarine spatial planning efforts to inform MidARPB to support sustainable ocean management	In Progress
		Engage NY in CTs Long Island Sound Blue Plan to support the LI Sound's resources	Significant Progress
41	Develop of New York aquaculture policy and improve the regulatory framework to promote sustainable best management practices.	Through appointed interagency task force, create NY marine aquaculture policy and planning framework	In Progress
		Identify natural resource and industry concerns associated with offshore aquaculture development	In Progress
42	Support the New York artificial reef program and identify suitable sites for future reef placement.	Establish pilot study to determine most cost effective, repeatable survey and sampling methods for biological assessments of reef species	In Progress
		Establish long-term biological monitoring on existing reefs sites	In Progress
		Conduct programmatic supplemental environmental impact (SEIS) of NY's artificial reef Program	Complete
		Construct additional artificial reefs in compliance with regulations for reef-associated species	In Progress
		Study benefits of offshore wind turbine foundations acting as artificial reefs	Not Initiated
43	Promote and develop New York's existing ocean economy and identify new opportunities for growth in New York's working waterfronts.	Develop collaborations with existing and new industries to emphasize sustainable use of ocean ecosystem	In Progress
		Identify underutilized infrastructure and new opportunities for access to water to enhance NY's coastal communities and recreational opportunities	Significant Progress

Goal 3: Increase Resilience of Ocean Resources to Impacts Associated with Climate Change

Action	Description	Steps	Progress
44	Assess and predict the vulnerability of the coastal areas to climate change.	Use water and ecosystem observing systems to monitor offshore and coastal zones to better understand effects and threats of flooding, surge, and sea-level rise	In Progress
		Create database to compile data (step 1), develop software/web interface for public access to information on NYSRISE	In Progress
		Use step 2 to create baseline conditions within the region and in basin areas to help track the health of systems and predict HABs	Not Initiated
		Extend land-based vulnerability assessments for habitat and at-risk species and integrate into State Wildlife Action Plans (SWAP)	In Progress

		Identify which ecosystem services and natural communities are most susceptible to climate change and recommend adaptation strategies	In Progress
		Develop and implement these strategies to respond to the impacts of a changing climate	In Progress
45	Identify, assess, and prioritize flood-prone areas at risk due to climate change	Map, model, analyze, identify, prioritize the effects of sea-level rise and severe weather scenarios to predict future impacts	In Progress
		Monitor how climate change drives increased storm activity and investigate resource and water quality impacts assoc. with storm events	In Progress
46	Examine the impacts of increased coastal flooding and sea-level rise on wastewater, stormwater and other vulnerable infrastructure in New York City and Long Island.	Investigate damage to WWTP infrastructure from storms to identify, analyze, and eventually mitigate vulnerabilities	Not Initiated
		Study impacts of sewage discharge from Bay Park on water quality and sediments in western bays and tributaries	In Progress
		Assess impacts of sewage discharge on WWTPs on drinking water (municipal, distribution infrastructure) that serve the state's coastal areas	Not Initiated
		Investigate the potential for highway and rail system vulnerabilities. See Action 44	Not Initiated
		Investigate impacts of oil and chemical spills on fisheries, water quality, and habitat because of Sandy. Assess vulnerability of public/private storage facilities to future weather events	Not Initiated
47	Support the use of living shorelines as a tool to reduce coastal erosion and flooding while providing better environmental services.	Per CCRA Sec. 16, develop guidance on the use of resiliency measures that utilize natural resources and processes to reduce risk	In Progress
		Revise laws, regulations, permitting policies for tidal wetlands and coastal habitats to make permitting process timelier and more efficient	Not Initiated
		Conduct feasibility, design, and implementation of living shoreline projects	In Progress
		Use Action 43 to identify areas prone to erosion that require new or enhanced shoreline protections to allow for living shorelines rather than shoreline stabilization	Not Initiated
		Develop and implement standard monitoring protocols at completed living shoreline sites and at control sites with traditional shoreline hardening	Not Initiated
48	Evaluate and periodically revise the breach contingency plan.	Monitor breach conditions, ecosystem response, water levels, and water quality in GSB due to Old Inlet at FINS	Significant Progress
		Compare data from 2007 to current trends in GSB to evaluate benefits/impacts on biological communities within FINS (species diversity, population dynamics, hydrodynamics)	In Progress
		Develop criteria for closing, monitoring, or leaving-open breaches using knowledge gained from monitoring	Not Initiated
		Establish a regular cycle for review of the Breach Contingency Plan	Not Initiated
49	Update current community planning practices to include coastal resiliency strategies that effectively minimize the impacts of extreme weather events and sea-level rise.	Examine current funding sources and programs available to local governments for completing and implementing climate change adaptation and coastal resiliency plans	In Progress
		With CRRA, develop guidance and model laws that local government can use to select best administrative, regulatory, and adaptive measures to improve resiliency	In Progress
		Develop guidance for local governments and state agencies on resiliency measures that utilize natural resources and natural processes to reduce risk (with CRRA)	In Progress
		Establish review process to facilitate communication between scientists and municipalities and incorporate new information into municipal comprehensive plans	Not Initiated
		Provide assistance to municipalities to evaluate existing policies/local laws to identify barriers inhibiting adaptation and resilience within these communities	In Progress
		Utilize existing state assistance to foster regional and local govt. completion of resilience and adaptation plans and emphasize partnerships to share costs	In Progress
		Develop and provide projections/modeling for anticipated changes in climate variables	In Progress
		Convene expert panel to examine current and alternative coastal hazard mitigation measures and assess performance outcomes under different scenarios	Not Initiated
50	Encourage coastal municipalities to participate in	Encourage coastal communities to pledge and work toward certification of the Climate Smart Communities Pledge	In Progress

	the Climate Smart Communities Program.	Encourage coastal communities to participate in additional programs developed to promote resilience planning, green infrastructure, improving water quality	In Progress
51	Improve policies for sediment resource management, particularly for dredging and use of clean dredged sand from state waters.	Improve state polices, develop a schedule and management plan for extraction, dredging, and use of clean material from state waters	In Progress
		Create catalogue of existing and potential future sand extraction areas	Not Initiated
		Synthesize existing info on dredge borrow areas to assess impacts of borrow area use on environmental quality and human use activities	Not Initiated
		Evaluate use of naturally accumulating sand (around jetties, etc.) for potential use as backfill in sand borrow areas to address erosion issues.	Not Initiated
		Evaluate use of clean dredge material as a tool to develop natural infrastructure areas	Not Initiated
		Identify possible reuses for treated navigational dredged material. Evaluate regional opportunities for management of dredged materials	In Progress
52	Identify and assess sand resources within state and federal waters.	Review data from existing geophysical and geological surveys to identify sand sources/wave displacement for offshore borrow and restoration areas	In Progress
		From the Cooperative Agreement above, assess physical features of existing and future sand borrow areas in federal waters.	In Progress
		Create inventory of all existing sand borrow areas in state waters and assess the physical features of current and future	Not Initiated
		Establish monitoring protocols to evaluate the potential for adverse ecological geophysical impacts associated with existing borrow areas in state waters.	Not Initiated

Goal 4: Empower the Public to Actively Participate in Decision-Making and Ocean Stewardship

Action	Description	Steps	Progress
53	Develop a formal stakeholder engagement process for promoting the ocean action plan's long-term agenda.	Hire an ocean and marine outreach coordinator to form an interagency group create effective stakeholder engagement and public education programs.	Complete
		Train agency staff and stakeholders in effective outreach based on latest behavioral science research and BMPs.	In Progress
		Evaluate stakeholder participation and identify barriers to stakeholder engagement.	In Progress
		Dedicate webpages on DEC site regarding Ocean posts- OAP status updates, events, publications.	Complete
		Produce brief two-way updates and printed materials for formal and informal stakeholder meetings. (CACs, MRACs, etc.)	Not Initiated
		Social media as a tool for two-way communication with OAP stakeholders. Use NY Gateway and submit articles to publications.	In Progress
54	Establish an ocean advisory committee.	Appoint members from govt and stakeholder groups who will make recommendations to the state regarding OAP implementation steps.	Complete
		Convene regular meetings to establish guidance framework for the state (see OAP).	Significant Progress
55	Establish a biannual OAP stakeholder workshop.	Evaluate the status of the OAP every two years	In Progress
56	Develop a statewide campaign to increase ocean	Compile a list of currently available awareness campaigns that promote ocean literacy.	In Progress
		Assess ocean literacy levels of stakeholders and the public to be targeted in the campaign.	Not Initiated
		Develop educational plan that outlines comprehensive, collaborative process. See OAP	In Progress
		Collaborate with formal K-12 educators willing to engage classrooms in ocean literacy and integrate ocean sciences into STEM curricula.	In Progress
		Promote ocean literacy by engaging professional development opps for K-12 high school science teachers.	In Progress

	literacy.	Encourage development of summer marine science education camps (age 11-17) in ocean science and field work.	In Progress
		Promote stewardship programs for teachers designed to inform citizens and next generation professionals on ocean science and economy.	In Progress
		Work with coastal post-secondary institutions to provide ocean courses, workshops, and symposia.	Not Initiated
		Work with CCE, SeaGrant, Soil and Water to teach community about ocean, coasts, sustainability, resilience to emphasize special skills.	In Progress
57	Promote diverse stakeholder participation in ocean outreach and advance awareness of environmental issues in underserved communities.	Promote community awareness and outreach regarding env. Issues and practical solutions for low income and minority communities.	In Progress
		Support state funding for awarding EJ Community Impact Grants and Green Gem Grants for community-based projects.	In Progress
58*	Create an updated recreational marine fishing guide.	Create NY Recreational Fishing Guide to include all relevant info and resources	Complete
59	Install 20 informational kiosks at major public recreational fishing access sites.	Evaluate different kiosk types being used in wildlife areas. Identify appropriate cost-effective designs.	In Progress
		Install 20 kiosks at rec fishing sites to display regulations, laws for boater and natural resource safety.	In Progress
		Partner with NGOs and ocean-action groups to maintain, offer information in diff languages mirroring DEC website symbols etc.	In Progress
60	Implement best management practices to reduce, mitigate or remove marine debris.	Develop BMPs for commercial and rec vessels/facilities that focus on proper refuse disposal plans.	In Progress
		Encourage beach cleanup programs/initiatives that seek to assess and monitor marine debris	In Progress
		Support EPA Trash Free Waters campaign to identify strategies for reducing coastal pollution including sewer overflow discharge.	In Progress
		Encourage municipalities, state agencies, NGOs to seek funding for removal of derelict fishing gear from estuaries, inshore, offshore areas.	In Progress
		Encourage municipalities, state agencies, NGOs to develop multilingual outreach materials to the public on marine debris.	In Progress
		Implement BMPs for marinas (EPAs Clean Marina Program) at two state marinas per year.	Not Initiated
61*	Promote responsible wildlife viewing activities for marine mammals within the New York Bight.	Work with NOAA and stakeholder groups to promote regional responsible viewing guidelines regulations, etc. to minimize impacts on marine mammals.	Significant Progress
		Develop new local, regional, national guidelines for responsible marine wildlife viewing to promote ocean stewardship.	Complete
		Encourage businesses that promote viewing/interacting with wild marine mammals to voluntarily endorse responsible and educational experiences (NOAA Whale SENSE Program).	Significant Progress