

MEETING MINUTES
BARNSTABLE COUNTY COASTAL MANAGEMENT COMMITTEE
January 31, 2019

A meeting of the Barnstable County Coastal Management Committee was held on January 31, 2019 at 4:00 p.m. in the Innovation Room on the Barnstable County Campus, 3195 Main Street, Barnstable, MA.

Members:

Kristy Senatori	Cape Cod Commission	Present
Mike Maguire	CC Cooperative Extension	Present
Steve Tebo	Barnstable County	Absent
James Killion	BC Assembly of Delegates	Present
Rick DeVergilio	CC Conservation District	Absent
Steve McKenna	Mass. Coastal Zone Management	Present
Chris Miller	Town of Brewster	Present
Ray Jack	Town of Falmouth	Present
Mark Borrelli	Center for Coastal Studies	Present
Andrew Gottlieb	Association to Preserve C.C.	Present
	MassBay NEP service provider	
Chris Adams	Cape Cod Chamber of Commerce	Present
Mark Adams (Ad hoc member)	CC National Seashore	Present

Others Present:

Dr. Robert Duncanson	Town of Chatham
Heather McElroy	Cape Cod Commission
Erin Perry	Cape Cod Commission
JoAnn Muramoto	Association to Preserve Cape Cod

Prior to the start of the meeting Janice O'Connell, Barnstable County Clerk, swore in Kristy Senatori, Chris Miller, Ray Jack, Andrew Gottlieb and Mark Borrelli as committee members. She reminded all members to complete and submit certification for Open Meeting Law and Conflict of Interest training.

James Killion, chair, welcomed everyone to the meeting. Steve McKenna made a motion to approve the October 25, 2018 minutes, seconded by Chris Adams and approved with Ms. Senatori, Mr. Borrelli and Mr. Gottlieb abstaining.

Mr. Killion, Chair, said the first order of business was to nominate and vote for a chair and vice-chair for 2019. Mr. Jack made a motion to open nominations for chair, seconded by Mr. Miller. Mr. Jack nominated Mr. Killion. Mike Maguire nominated Mr. Miller. Mr. Jack made a motion to close nominations, seconded by Mr. Gottlieb. Mr. Miller was unanimously approved as chair for 2019. Mr. Maguire made a motion to open nominations for vice-chair seconded by Mr. McKenna. Mr. Maguire nominated Jim Killion, seconded by Chris Adams. The motion was unanimously approved.

Erin Perry, of the Cape Cod Commission, provided an overview of the CCC's

Resilient Cape Cod Project, the development of a tool and public outreach program to investigate the environmental and socio-economic effects of local and regional coastal resiliency strategies. The project covered three years and looked at adaptation strategies for infrastructure. The stakeholder outreach process included roughly 120 participants. Stakeholders were asked to assess vulnerabilities to the region and identify key features in the tool. The tool is geared toward use by professionals in the community decision making process.

The project is scheduled to wrap up in June and the tool will be available soon after.

Mr. Killion asked if the public can use the tool to look at individual parcels on the coast. Ms. Perry said the tool is available for public use but is not parcel specific.

Dr. Robert Duncanson, Director of Natural Resources Department for the Town of Chatham and co-chair of the Barnstable County Coastal Resource Committee (CRC), gave a presentation on the role and functions of the CRC. Dr. Duncanson reviewed a timeline of the committee's achievements starting with its creation to the present (timeline attached).

The membership of the committee is comprised of a representative from each Cape town. Meetings provide towns the opportunity to learn what is happening across town boards and to share lessons learned. This transfer of knowledge has been helpful on a number of issues such as drinking water, fresh water ponds and marine water. Appropriate county agencies, Barnstable County Health and the Cape Cod Commission, also attend meetings.

Dr. Duncanson said many county projects and initiatives were identified by the CRC including the Cape Cod Water Protection Collaborative, the dredge program, the establishment of the stormwater managers group. Barnstable County Commissioners direct the committee on projects and responsibilities.

The CRC also serves as the Cape Cod's local governance committee for the Mass Bays Program.

Mr. Gottlieb asked if there is an issue if the CRC continues in its current form.

Dr. Duncanson said it was his understanding that CRC may be restructured as a subcommittee of the BCCMC. He believes the committee is an excellent asset for the towns.

Mr. Gottlieb said he believes the committee should continue as it has been helpful to communities over the years.

Mr. McKenna said there is value in the CRC as it has identified emerging issues over the past few years.

Mr. Miller said the committee has evolved and benefits the towns and the region.

Mr. Killion said the ordinance says the BCCMC will establish the CRC as a subcommittee.

Mr. Gottlieb suggested adding an item to the next meeting agenda reaffirming the existence of the CRC.

Mr. Jack asked if it would remain as it presently exists or as a subcommittee.

Mr. Killion said it would be a subcommittee of the BCCMC.

Ms. Senatori said staff would work on, and present at the next meeting, defined subcommittee goals, and mission and identify a liaison to this committee.

Mr. Maguire said a summary charge would be provided and a list of committee members will also be provided. The BCCMC can then make a recommendation to appoint members formally.

Mr. Maguire informed the committee that Jack Yunits, Barnstable County Administrator, was unable to attend the meeting. Mr. Yunits provided him with notes for the dredge update, but he recommended the dredge update be added to a future meeting.

The Barnstable County dredge program has completed a number of projects but has been hindered by issues with one of the dredges, the Sandshifter, which is currently undergoing repairs. The county is working with the towns to secure time of year exemptions in an effort to complete dredge projects.

The county is continuing discussions on the acquisition and design of a new dredge. Recommendations will be submitted to the Barnstable County Commissioners and if approved a request for proposals will be released at the end of February. The oldest dredge, the Codfish, will remain in use and serve as a back up if necessary.

The county is preparing an agenda and a white paper that prioritizes concerns relative to time of year restrictions and the permitting process for a meeting hosted by Senator Cyr with the regulators and harbor masters. The meeting is expected to be held in March.

Ms. Senatori introduced three new members to the committee- Chris Adams of the Cape Cod Chamber of Commerce, Mark Borrelli of The Center for Coastal Studies and Mark Adams from the Cape Cod National Seashore.

Mark Adams asked Mr. Borrelli for an update on the Center for Coastal Studies work on storm pathways.

Mr. Borrelli said the Center just received the contract for the two-year project. Staff is expected to begin field work soon. The goal of the project is to develop a product illustrating likely flood pathways during storm events to allow town managers and town resources directors easy access to data. Data will cover Cape Cod Bay towns. Funding is provided by the Seaport Economic Council.

Mr. Gottlieb said the Association to Preserve Cape Cod is working with the Cape Cod Commission and the Town of Wellfleet looking at how the town can adjust wetlands protection bylaws to account for sea level rise and climate change. A meeting with the Wellfleet Conservation Commission is expected to be held in March to start the discussion on amending bylaws.

Mark Adams said the Cape Cod National Seashore is hoping to make the Chatham tide gauge a permanent part of the NOAA network.

Mr. McKenna said the office of Coastal Zone Management (CZM) serves as a state liaison to the county on coastal issues and have funded a significant amount of coastal resiliency projects. Current projects in Chatham, Dennis and Provincetown have received CZM funds. In the past few years, the office has given close to \$3.5 million to Cape projects. A new grant round is coming up in April.

Mr. Borrelli said regional sediment management across municipal boundaries is an issue that will need to be addressed in the next few years. Currently, managing sediment across municipal borders is very difficult. This discussion needs to happen to deal with ongoing erosion issues due to sea level rise.

Heather McElroy confirmed the next quarterly committee meeting would be held at the end of April. A poll would be sent out to determine the best time for everyone.

Mr. Miller asked if county staff could help determine when the Barnstable County Commissioners would like an update from the committee. Ms. McElroy said she would touch base with the Commissioners office to determine a schedule.

Mr. Gottlieb made a motion to adjourn, seconded by Mr. McKenna and unanimously approved. The meeting adjourned at 5:15 p.m.

Barnstable County Coastal Resources Committee (CRC)

Timeline of achievements

Late 1980's – 1995:

- CRC's predecessor, the Cape Cod Marine Water Quality Task Force, conducted a survey entitled "Local Efforts at Controlling Coastal Pollution".
- CRC was formed through combination of Cape Cod County Marine Water Quality Task Force and Coastal Zone Management Committee.

1995 – 2007:

- CRC advocated for the formation of the Barnstable Water Protection Collaborative to address wastewater pollution.
- CRC published a written report in 2002 entitled "Coastal Resource Protection Update" describing goals, needs and recommendations concerning marine water quality, land use, wastewater planning and management, and managing coastal wetlands and waterways. The report was submitted to the Barnstable County Commissioners. The report contained a description of the CRC's mission and a list of its members as of 2002.
- CRC advocated for the Cape Cod Water Resources Restoration Project (CCWRRP) to restore shellfish beds, salt marshes and fish runs. The CRC provided guidance and input to the development of the plan for this federal program administered by NRCS.

2006:

- APCC became the new Regional Service Provider for the Cape Cod region of the Massachusetts Bays National Estuary Program (MassBays), and the MassBays Regional Coordinator was Dr. Jo Ann Muramoto. The CRC is the local governance committee for the Cape Cod region. Dr. Muramoto provided support for the CRC from this date on.
- The CRC Executive Committee worked with APCC to redefine the CRC's mission and membership with a focus on municipal representation and coastal agencies.
- The Cape Cod Water Resources Restoration Project Plan and Environmental Impact Statement was published by NRCS, describing the benefits of this restoration program for restoring impaired fish runs and tidally-restricted salt marshes and treating stormwater discharges to restore and protect shellfish.

2007:

- With the County Commissioners' support, the CRC was re-convened with a new mission statement (charge) and membership composed of municipal coastal resource managers and other local, state and federal resource managers. Municipal staff are voting members with one vote per town.

2008:

- The CRC and Cape Cod Cooperative Extension co-hosted the first workshop on "Shellfish and Nitrogen Uptake".

2009 – 2013:

- The Cape Cod Water Resources Restoration Project (CCWRRP) was approved by Congress in late 2009. In early 2010 the CCWRRP got underway with \$6.5 million in funding from ARRA. CRC reviewed and recommended projects. The MassBays Regional Coordinator assisted NRCS in ranking stormwater projects. Approximately 24 projects and 10 feasibility studies were completed by Fall 2013. In 2013 the CRC hosted a workshop to present the results of monitoring to demonstrate success of projects.
- At CRC's recommendation, the County Commissioners sent a letter to NRCS supporting federal funding for the CCWRRP and to designate Cape Cod as a critical conservation area under NRCS's Regional Conservation Partnership Program.
- CRC, APCC and MassBays co-hosted the first Stormwater Financing Workshops on Cape Cod. One town (Yarmouth) conducted a pre-feasibility study for a stormwater utility and prepared a Request for Responses for a full feasibility study.

2014:

- In anticipation of the pending MS4 stormwater permit, CRC convened an informal group of municipal stormwater managers (aka Cape Cod Stormwater Managers) and provided information on grants, updates on the pending MS4 permit. The two CRC co-chairs and MassBays regional coordinator provided direction and support.
- CRC, APCC and MassBays co-hosted a December workshop on the draft 2014 MS4 Stormwater Permit featuring EPA and DEP stormwater permit experts, and began exploring the potential benefits of forming a Cape Cod stormwater collaborative.
- CRC, APCC, MassBays and the Cape Cod Commission co-hosted a workshop on "Effects of Sea Level Rise on Cape Cod's Aquifer". This APCC-led project resulted in a USGS study that modeled the effects of sea level rise on groundwater in the mid-Cape region. This study will be useful for evaluating risks to coastal communities from groundwater inundation and threats to infrastructure, water quality and habitat resulting from rising sea levels.

2015 – 2017:

- CRC meetings and workshops focused on stormwater management and preparing Cape Cod towns for the pending MS4 stormwater permit for Massachusetts:
 - A joint meeting of the CRC and Stormwater Managers Group featured a presentation by APCC on stormwater collaboratives in Massachusetts.
 - In April 2016 the U.S. EPA issued the 2016 MS4 Stormwater Permit for Massachusetts. In May 2016 the CRC, APCC and Cape Cod Commission co-hosted a workshop on the MS4 permit and stormwater collaboratives. The Commission conducted a poll to determine interest in forming a stormwater collaborative and the answer was yes.
 - The Cape Cod Commission applied for and obtained a DEP 604b grant for \$50,000 to identify options for forming a Cape Cod Stormwater Coalition. Partners included the CRC, County and APCC. The grant enabled a survey of municipal stormwater resources and needs, gap analysis, stormwater cost estimator for towns to use to implement the MS4 permit, and recommendations for policies, procedures and benefits of forming a Cape-wide stormwater

coalition. A second proposal was prepared for the DEP MS4 Municipal Assistance Grant program but was turned down.

- CCWRRP: APCC continued to work with the Cape Cod Conservation District to advocate for additional federal funding for the program.

2018:

- CCWRRP: Congress approved \$10 million for Phase II for a second round of restoration projects. CRC's municipal representatives and municipal support remain key to the success of the CCWRRP. Many times during the development of the project, the strong unified advocacy of the CRC membership was the pivotal selling piece to NRCS headquarters and elected officials.
- Regular meetings on coastal issues covered topics including: CCWRRP, County dredge, and coastal resilience. The CRC hosted a grant information meeting on the state's Municipal Vulnerability Preparedness or MVP grant program. Prior to this grant information meeting, only two Cape Cod towns had MVP planning grants; after this meeting, ten additional towns applied for and obtained MVP planning grants.
- The MS4 stormwater permit for Massachusetts came into effect on July 1, 2018 after a one-year delay. The Cape Cod Stormwater Managers Group, chaired by the two CRC co-chairs (Robert Duncanson, Ph.D. and Stephen McKenna), met regularly to address the MS4 permit's requirements for stormwater management. These include: mapping, regulating, monitoring and eliminating stormwater discharges from MS4 areas into receiving waters, addressing stormwater discharges into impaired waters and waters designated as TMDLs, and coordinating with the Section 208 Water Quality Plan for Cape Cod. The Commission's 604b grant enabled consultants to be hired to develop policies, bylaws, and recommendations for stormwater BMPs for Cape Cod conditions.
- In summer 2018 the CRC paused meetings as the County Commissioners began reorganization of County committees. This included formation of the Barnstable County Coastal Management Committee (BCCMC) and two subcommittees that would report to it: the Dredge Subcommittee and a Coastal Resources Subcommittee (CRS).

2019:

- At the BCCMC's second meeting on 1/31/19, the CRC co-chair, Robert Duncanson, Ph.D., gave a presentation on the CRC's history and achievements. BCCMC members voiced support for having the existing CRC serve as the above-mentioned coastal resources subcommittee (i.e., CRS) and asked that a list of members be provided to them in advance of the next BCCMC meeting in April 2019. At that meeting the BCCMC will recommend that the CRC be adopted as the above-mentioned coastal resources subcommittee.

List of Abbreviations

CRC	Barnstable County Coastal Resources Committee
APCC	Association to Preserve Cape Cod
ARRA	American Recovery and Reinvestment Act of 2009
BCCMC	Barnstable County Coastal Management Committee, formed in 2018
CCWRRP	Cape Cod Water Resources Restoration Project
DEP	Massachusetts Department of Environmental Protection
EPA	U.S. Environmental Protection Agency
DEP	Massachusetts Department of Environmental Protection
MassBays	Massachusetts Bays National Estuary Program
MS4	Municipal Separate Stormwater Sewer Systems (NPDES)
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service, U.S. Department of Agriculture
TMDLs	Total Maximum Daily Loads
USGS	U.S. Geological Survey

This timeline was prepared by Dr. Jo Ann Muramoto, MassBays Regional Coordinator for the Cape Cod region and Director of Science Programs at the Association to Preserve Cape Cod.