



Cape Cod Commission

Cape Cod Commission
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Fiscal Year 2010 Officers:

Chair: John D. Harris
Vice Chair: Royden Richardson
Secretary: Elizabeth Taylor

Fiscal Year 2010 Members Representing...

Barnstable: Royden Richardson
Bourne: Michael Blanton
Brewster: Elizabeth Taylor
Chatham: Lynne Pleffner
Dennis: Brad Crowell (until Feb. 2010), then vacant
Eastham: Joy Brookshire
Falmouth: vacant, then Mario DiGregorio (Jan. 2010)
Harwich: Robert Bradley
Mashpee: Ernest Virgilio
Orleans: Frank H. Hogan (until Oct. 2009), then Peter Monger (Dec. 2009)
Provincetown: Roslyn Garfield (until Oct. 2009), then Austin Knight (Feb. 2010)
Sandwich: vacant, then Sue Pommrehn (Aug. 2009 to April 2010), then Joanne O'Keefe (April 2010)
Truro: Peter Graham
Wellfleet: Roger Putnam
Yarmouth: Mark Lohan (until Aug. 2009), then Jack McCormack (Sept. 2009)

County Commissioner: Sheila Lyons
Minority Representative: John D. Harris
Native American Representative: Mark Harding
Governor's Appointee: Herbert Olsen

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The Cape Cod Commission is the regional land use planning and regulatory organization created in 1990 to serve the citizens and 15 towns of Barnstable County. The Massachusetts Legislature created the Commission in response to concern among Barnstable County residents that development would destroy the very assets that make Cape Cod such a special place. The Cape Cod Commission Act, enacted on March 2, 1990, outlines the purposes, duties, and powers of the Cape Cod Commission.

The organization's mission is to protect the unique values and quality of life on Cape Cod by coordinating a balanced relationship between environmental protection and economic progress. The Commission strives to foster a viable year-round economy with thriving economic centers and well-preserved natural habitats and open spaces—a sustainable region with strong inter-municipal coordination and regional infrastructure.

The Commission's 19-member appointed board and 40 professional staff members carry out this mission by:

- * Leading, supporting, and enforcing the development of regional infrastructure, plans, policies, and regulations to guide and manage growth; and,
- * Supporting the 15 towns of Barnstable County/Cape Cod with professional and cost-effective planning and technical support services.

The Commission's professional staff is organized into three main working groups: Planning and Community Development, Technical Services, and Legal/Regulatory. Planning and Community Development activities relate to affordable housing, coastal resources, community design, economic development, energy planning, historic preservation, land use planning and growth management, natural resources, and more. Technical Services activities relate to geographic information, transportation, and water resources. Legal/Regulatory activities relate to regulatory reviews of Developments of Regional Impact (DRIs), development agreements, and more.

Regional Activities

PLANNING AND COMMUNITY DEVELOPMENT

The Cape Cod Commission completed its first annual review of the 2009 Regional Policy Plan (RPP) this year, focusing on the Affordable Housing section and technical amendments. The Commission continued to work with towns to adopt a Regional Land Use Vision Map to enable towns to apply for reduced regional regulatory oversight by the Commission in areas suitable for increased development and/or increased oversight in resource sensitive areas. Planning staff also worked on changes to and development of new regulations including Chapter H ("Flexible Thresholds"), Development Agreements, and Growth Incentive Zone (GIZ) regulations.

Implementation of the 2009 RPP is under way. Planning and Community Development staff provided technical assistance to towns and organizations in the areas of affordable housing, historic preservation, community design, zoning, natural resource protection, and economic development. In addition, staff established a new program of targeted, town-specific technical assistance projects, known as "RESET" (Regional Barnstable County Annual Report FY 2010

Economic Strategy Execution Team) projects, this year. The first RESET engagement was with the Town of Yarmouth and resulted in a redevelopment framework for a key stretch of Route 28, including a build-out analysis for alternative development scenarios, concept plans, sketches, and other graphics to assist the town in creating a streetscape design with a focused effort on town-owned property in the area. Work is continuing into Fiscal Year 2011.

Planning and Community Development staff also continued to provide technical assistance to the Cape Cod National Seashore in the Outer Cape towns.

Staff participated in the development of the Massachusetts Ocean Management Plan (OMP) through the Ocean Advisory Committee. The promulgation of the OMP led to Barnstable County's designation of the Ocean Management Planning District of Critical Planning Concern (DCPC). In FY2010 the Barnstable County Commissioners nominated, the Cape Cod Commission recommended, and the Barnstable County Assembly of Delegates designated the DCPC. Since designation, the Commission has worked on behalf of Barnstable County to establish a policy committee, technical advisors, and a stakeholder group to guide a region-wide planning process to evaluate the appropriate scale and location for development in Cape Cod's ocean waters. Commission staff also provided technical assistance to the Martha's Vineyard Commission to prepare photo-simulations of wind turbine development in the state waters surrounding the island, completing this work in July 2010.

ECONOMIC DEVELOPMENT

The Commission completed the annual update to the 2009 Comprehensive Economic Development Strategy (CEDs) for Barnstable County and began implementation of the priority projects identified in the certified CEDs. Priority projects on which the Commission took the lead included:

Redevelopment Authority - Feasibility Analysis

The Cape Cod Commission project team is in the process of conducting research on redevelopment authorities on regional, state, and local levels and investigating their scopes of authority. The team is also researching Transfer of Development Rights

(TDR) as a mechanism to shift development potential and is compiling case studies applicable to Cape Cod.

Coastal Use Templates for Economic Development

The Cape Cod Commission project team developed an implementation plan and an outline to reflect the methodology and refinement of the scope. Progress has been made on many near-term tasks including GIS mapping and assessment of major coastal economic industry sectors. Based on this assessment, the team identified five prototype harbors representing the major industry sectors as case studies: Woods Hole, Falmouth; Hyannis; Harwich; Chatham; and Provincetown. The team developed various matrices to identify potential threats to coastal economic values and coastal resources and to identify the ecosystem services provided by various coastal resources. The project team interviewed town officials, conducted site visits, and collected baseline land use data to identify primary economic assets and liabilities, and are now compiling site data into summary reports.

Economic Center Cost Analysis

The Cape Cod Regional Policy Plan calls for new growth to be located “in areas that are adequately supported by infrastructure and away from areas that must be protected for ecological, historical, or other reasons.” The plan has adopted a Regional Land Use Vision Map that identifies growth areas and resource protection areas. It is generally considered more expensive to comply with this policy and the Regional Land Use Vision Map than not comply. Research on this project is under way to identify sources of cost differences involving development and redevelopment in designated growth centers compared to areas outside growth centers. An in-house project team is currently guiding this research. Phase 2 of this project will identify incentives to drive more development to designated growth centers.

Collaborative projects coordinated by the Commission

- (1) the Sustainable Fisheries Trust, a new and innovative approach to mitigating the unintended and often overlooked social consequences of catch-share implementation;
- (2) Buy Local Infrastructure, a multi-pronged project

that will use a variety of methods to encourage consumers to spend their dollars in locally owned stores and businesses; and,

(3) Entrepreneurship Capital Access and Training, which focuses on creating opportunities for nurturing early-stage businesses and capitalizing on economic development opportunities in clusters such as marine science and technology, clean technology, environmental science and technology, information technology, financial services, hospitality, and bio-medical.

Grants

The Commission received a short-term planning grant from the US Economic Development Administration for implementation of the 2009 CEDS, and continued the development of an online data center, STATSCapeCod (www.statscapecod.org). The site provides economic profiles of every state and county in the country, allows for comparisons across geographies, and provides general information on data and documents, research, and data unique to the Cape.

Miscellaneous

The Commission sponsored several regional economic development workshops, completed research briefs, and completed a guide for municipalities titled Leveraging Cultural Assets for Economic Development that encourages local action to develop the arts and cultural assets of each Cape community.

Clean Energy Training

The Commission, the Cape Cod Economic Development Council, and the non-profit Self-Reliance Corporation completed the second year of the three-year Barnstable County Clean Energy Training Program in partnership with the building trades on Cape Cod. The program offers technical training to incumbent workers in solar technologies energy efficiency through a combination of classroom instruction and on-site installation workshops.

Other Activities

Some highlights of other Commission planning and community development activities in the region in 2010 include:

- ☆ Publication of the region's Fair Housing Plan

including an analysis of impediments to fair housing; publication of the 2010-2014 HUD Consolidated Plan on regional affordable housing needs, priorities, and strategies; and a workshop with Massachusetts Housing Partnership on Municipal Affordable Housing Trusts.

- ☆ Completion of the Regional Multi-Hazard Mitigation (MHM) Plan, now awaiting FEMA certification. Local plans for Chatham and Eastham were submitted for re-certification. Provincetown, Truro, Dennis, Brewster, and Barnstable are completing their plans for submission to FEMA in Fiscal Year 2011.
- ☆ Update to the 1995 Route 6A Corridor Management Plan to guide the protection of the corridor's unique historic and scenic resources and to address transportation and safety issues.
- ☆ Receipt of the 2009 "Outstanding Award for a Planning Project" from the Massachusetts Chapter of the American Planning Association for the Commission's Contextual Design on Cape Cod: Design Guidelines for Large-scale Development, an addendum to the Commission's APA award-winning 1994 manual, *Designing the Future to Honor the Past*.
- ☆ In conjunction with AmeriCorps CapeCod, coordination of the Cape Cod Pathways Walking Weekend in October 2009 and CapeWalk in June 2010. More than 20 walks in a wide variety of locations across the Cape were offered for the 16th annual fall Walking Weekend. For the spring CapeWalk, approximately 120 people participated in the nine-day, 105-mile trek from Falmouth to Provincetown. Pathways events highlight Cape Cod's varied and stunning landscapes and the value of open space protection.

TECHNICAL SERVICES

Technical Services division of the Cape Cod Commission encompasses the Geographic Information System (GIS), Transportation, and Water Resources programs, as well as management of the state-funded Direct Local Technical Assistance Program (DLTA).

District Local Technical Assistance

District Local Technical Assistance (DLTA) funds enable the state's regional planning agencies to provide technical assistance to towns upon their

request. Through this program in 2009-2010, the Commission funded four regional projects and three town projects with a total of \$155,837:

- ★ 14 Towns (\$30,000): Continuation of 2008-2009 DLTA effort. Developed a scope and issued an RFR for an attorney to provide support for creation of a regional solid waste management district, and to develop a single contract and RFP for Cape-wide municipal solid waste disposal to facilitate region-wide contract negotiation and development.
- ★ 15 Towns (\$50,000): Developed a scope and issued an RFP for an analysis of options for shared assessing services and for standardization of municipal assessing data across the region.
- ★ Mashpee, Falmouth, Barnstable, and Sandwich (\$7,500, with a \$20,000 match from Barnstable County): Facilitate and coordinate agreement among towns for municipal nitrogen management responsibility in two shared watersheds.
- ★ Wellfleet and Eastham (\$7,500): Support shared economic development services and arts and culture development.
- ★ Sandwich (\$25,000): Wastewater planning to support economic development in a regionally designated Economic Center.
- ★ Harwich (\$25,000, with a \$15,000 match from Barnstable County): Develop a model Economic Development and Harbor Management Plan, including retention of marine-dependent businesses and bicycle and pedestrian connectivity planning.
- ★ Chatham (\$10,837): Conduct visioning work to develop and coordinate land use planning and roadway improvements for the Route 28 corridor.

Geographic Information System

The GIS department supported a wide variety of regional projects, including:

- ★ Database administration for GIS data;
- ★ Collaboration on planning projects related to village redevelopment and analysis of appropriate sites for wind turbines, all using 3D visualizations;
- ★ Delineation of the marine boundary for the Ocean Management Planning District of Critical Planning Concern (DCPC) and mapping support for the Craigville Beach DCPC;
- ★ A map series depicting density of development across the Cape and analysis of data to support a study of the costs of sewerage in the region, all for

the ongoing Regional Wastewater Management Plan work;

- ★ Special projects involving cultural and arts venues and many of the projects being pursued through the regional Comprehensive Economic Development Strategy, such as the Coastal Use Templates and the Buy Local program;
- ★ Concept plans for transportation projects such as Yarmouth Road, maps for the update of the Route 6A Corridor Management Plan, data and maps for a study of alternative transportation scenarios in the Cape Cod National Seashore, and development of a web-based mapping application for the Regional Transportation Plan;
- ★ Mapping Land Bank-funded properties across Cape Cod and developing a web-based mapping application for the Regional Open Space Plan; and
- ★ Data analysis related to infrastructure and system capacity/capabilities to support the OpenCape broadband project.

Transportation

The Cape Cod Commission provided ongoing coordination of the Cape Cod Joint Transportation Committee (CCJTC) and supported the work of the Cape Cod Metropolitan Planning Organization (MPO), which is responsible for directing transportation planning and policy and for allocating federal transportation funds on Cape Cod.

Commission staff prepared the annual Cape Cod Unified Planning Work Program (UPWP) for Transportation Planning Activities for 2010, and a UPWP Amendment. The staff also developed the Transportation Improvement Program (TIP) documents for Federal Fiscal Years 2010-2013 and Amendments, along with beginning discussions on projects for the TIP Federal Fiscal Years 2011-2014.

This year marked the kick-off for the update to the Regional Transportation Plan (RTP) for Cape Cod, with public outreach and workshops in March in Bourne, Eastham, and Hyannis. The Commission staff also launched a series of workshops about different transportation modes, holding the first, on bicycle and pedestrian modes, in June. Work on the RTP will continue through Fiscal Year 2011.

As a result of these transportation planning efforts,

approximately \$26.8 million of local and regional transportation projects are scheduled for federal and state funding in the TIP for Federal Fiscal Years 2010-2013. Local and regional highway, bridge, and transit projects are among those funded this year:

- ★ Barnstable: Route 149 at the Route 6 off-ramps intersection improvements (Exit 5)
- ★ Sandwich: Route 130 at the Route 6 off-ramps intersection improvements (Exit 2)
- ★ Bourne/Cape Cod Canal area: Traveler information improvements, an Intelligent Transportation Systems (ITS) project installing cameras for improved real-time traffic information

The Commission conducted a series of public meetings and meetings with local businesses about potential improvements to the Willow Street/Yarmouth Road corridor in Yarmouth and Barnstable, a major access road to and from Hyannis. Originally proposing four major concepts for improving traffic flow and safety-for drivers, walkers, and bikers-the Commission expanded those proposals to 12 options to take into consideration the input received during the public process. A 30-member task force that included municipal staff and officials, area businesses, residents, transportation providers, and others worked with Commission staff and the public to refine those ideas throughout the year. The study winnowed the list to a single preferred alternative: four lanes and a multi-use path.

Other Activities

Some highlights of other Commission transportation activities in the region in 2010 include:

- ★ Participated on the Canal Area Task Force, collecting and analyzing data and making recommendations to mitigate traffic issues during this year's major maintenance work on the Sagamore Bridge;
- ★ Worked with MassDOT to plan and implement Intelligent Transportation Systems (ITS; including cameras and speed detectors) for roadways in the Cape Cod Canal area;
- ★ Finalized the transportation aspects of the Route 6A Corridor Management Plan update;
- ★ Continued to conduct traffic counts in all 15 Cape Cod communities. From July 1, 2009 to June 30, 2010, the Commission collected a total of 213 counts with automatic traffic recorders, and 63

turning movement counts at intersections, as well as 27 counts at three Park-and-Ride lots, and 3 counts on bicycle trails (www.gocapecod.org/counts).

- ☆ Finalized the 2009 Transportation Safety Report, which included the study of and recommendations for the Eastham Rotary in Eastham and Orleans, the Truro Central School Zone, and the intersection of Route 6 and Shank Painter Road in Provincetown;
- ☆ Partnered with the Cape Cod National Seashore/ National Park Service on several studies, including the Outer Cape Parking and Transit Study, Cape Cod Integrated Bicycle Plan, Outer Cape Maintenance Study, and Cape Cod Intelligent Transportation System Implementation Plan;
- ☆ Continued to add data and resources for the transportation web site (www.gocapecod.org), including videos to build awareness of the Flex bus service, transportation safety information, traffic camera feeds, and more; and,
- ☆ Served on a variety of state, federal, and other committees to represent the Cape region, including ones focusing on the TIP project design and advertising process, state transportation finance priorities, ferry transportation, transportation strategies to reduce greenhouse gas emissions, and working groups addressing transportation, land use, and climate change.

WATER RESOURCES

Water resources staff provide technical assistance to Cape Cod towns, citizens, and Barnstable County on projects that involve water supply, wastewater and stormwater management, fresh water ponds, and marine waters. Activities include technical assessments, planning, education, and regulatory review of all aspects of Cape Cod's water resources. Water staff members work with local and regional committees and partner organizations and strive to develop strategies to implement cost-effective solutions for regional needs. Two recent initiatives in the planning phase are the creation of a Cape Cod water-quality data center and a watershed-based outreach, education, and stewardship program.

Wastewater Management

Water staff compiled data and background materials to aid the preparation of the Regional

Wastewater Management Plan, coordinating the work of a technical consultant and GIS staff. Tasks have included regional wastewater flow analysis, technology assessments, adaptive management, build-out projections, and development of appropriate maps and graphics. Water staff drafted introductory, environmental, and technology components of the plan and participated in the development of an outreach and education program.

Miscellaneous

Staff continues to participate in regional meetings and workshops on the wastewater issue, for example, this year meeting with DPW directors from Barnstable and Yarmouth, the Mashpee Sewer Commission, and the Pleasant Bay Alliance, and participating in workshops in Mashpee, Orleans, and Falmouth. The staff helped estimate wastewater flows for a potential Growth Incentive Zone (GIZ) in Buzzards Bay, the existing Yarmouth Route 28 GIZ, and a Route 28 study in Yarmouth. The staff also released to the towns the latest USGS report on wastewater modeling tools, and continues to provide technical expertise to the Cape Cod Water Protection Collaborative. Through the state-funded District Local Technical Assistance (DLTA) program, Commission water staff facilitated a regional approach to wastewater management for the Upper Cape.

Grant

Staff concluded a three-year EPA grant project by completing a report entitled "Solving Wastewater Management Challenges for the Restoration of Coastal Waters from Non-Point Source Nitrogen." The report chronicles the Commission's technical assistance to the 15 towns of Cape Cod between 2005 and 2009. It covers regional and local Total Maximum Daily Load (TMDL) implementation efforts, the 2006 Regional Coastal Restoration Conference, enhanced natural attenuation, nutrient trading, Comprehensive Wastewater Management Plan (CWMP) reviews and groundwater modeling for disposal site characterization among other accomplishments.

Marine and Fresh Water Quality

Staff continues to provide technical assistance on the Massachusetts Estuary Project (MEP) for the towns. Although the Commission no longer provides hydrologic or land use assessments for the MEP

technical reports, staff continues to integrate MEP findings and resultant TMDLs into regulatory reviews and local CWMP efforts and to incorporate Final EPA TMDLs for nutrients into watershed “fairshare” nitrogen load allocations. Water staff performed a regional wastewater flow analysis using data in the MEP data disk summaries.

Pond-sampling Snapshot

Staff also worked with the local pond associations, town officials, and UMass-Dartmouth’s School for Marine Science and Technology to coordinate the eighth annual freshwater pond-sampling snapshot. This effort produced a total of 385 samples from 159 ponds in 15 towns.

Pesticide Spraying

The Commission also responded to the growing concern about the spraying of pesticides on top of the region’s sole source aquifer along NSTAR utility rights of way. Water staff provided technical assistance to the Eastham Board of Health, making use of a GPS unit and GIS services to map the locations of private wells near the electrical easements. Water staff also coordinated a meeting of concerned citizens and NSTAR representatives and provided a critical review and comment on NSTAR’s Yearly Operational Plan. Staff participated in a Massachusetts Statehouse meeting with the Cape legislative delegation and the Massachusetts Department of Agriculture, presenting the need for a detailed mapping program of private wells and other resources to comply with the setback provisions in the regulations. Nearly all Cape towns support and are seeking Commission assistance for this task. Water staff developed a scope of work for the project, obtained the services of an AmeriCorps Cape Cod member for the fall, and had a kick-off meeting with NSTAR. The project is expected to be completed in calendar year 2010.

Other Activities

Some highlights of other Commission water resources activities in the region in 2010 include:

- * Appointment to the state’s Sustainable Water Resources Technical Committee to help develop a technical approach for determining the safe yield of water resources, for permitting under the Water Management Act;
- * Active involvement with the Barnstable County

Water Utility Association (mainly water supply superintendents and consultants). Staff provided a review of the draft report released this spring by the Silent Spring organization on the occurrence of pharmaceuticals and personal care products (PPCP) in Cape Cod’s water supply.

- * Assistance to the Massachusetts Department of Conservation and Recreation (DCR) in developing a new water-demand methodology to project seasonal populations for the Cape water suppliers and working with DCR officials on the use of groundwater monitoring-well information to trigger drought responses for water conservation;
- * Continued to coordinate the Groundwater Guardian Team (education and outreach to school children and teachers about water resources) and Project STORM (outreach and assistance to municipalities about stormwater management). With the help of an AmeriCorps Cape Cod member, the water staff organized 10 water education festivals in the 2009-2010 school year to serve 1,600 students from 14 different schools.
- * Continued to monitor the USGS water level network, which consists of 40 groundwater wells that are measured on a monthly basis. Data from the wells are published for engineering septic system designs and other planning that relies on water-table elevations. Water staff conducted a review of the databases, updated the high groundwater calculations, and incorporated DCR interpretations of high, normal, and below-average conditions. Data are available online through the Cape Cod Commission web site and the USGS water-level web site.

LEGAL / REGULATORY

The Barnstable County Commissioners nominated the first Capewide DCPC, the Ocean Management Planning District of Critical Planning Concern, in mid December 2009. In response to the state’s Ocean Management Plan and its call for communities to determine what is appropriate scale for renewable energy in state waters off shore, the County Commissioners proposed the Ocean DCPC to provide Cape towns a voice in the regional planning and regulatory effort. The Commission accepted the nomination for consideration and forwarded the proposed designation to the Barnstable County

Assembly of Delegates. The Assembly established the DCPC by ordinance in April 2010. The Commission's planning, regulatory, and technical staff are coordinating Capewide outreach through Fiscal Year 2011 to enable a regional process for developing "implementing regulations" in accordance with the guidelines of the DCPC.

The Commission amended some of its regulations this year to provide an approach that offers flexibility for development while encouraging a map-based approach to planning:

- ☆ Amendments to the Code of Cape Cod Commission Regulations of General Applications to adopt Chapter H: Municipal Application for Revisions to DRI Thresholds - to enable towns to seek flexible DRI thresholds in areas that are adequately supported by infrastructure and to guide growth away from areas that should be protected;
- ☆ Amendments to Chapter D: Regulations Governing the Provision of Development Agreements - to allow developments the option to pursue a two- or three-party contract to provide comprehensive planning and to vest development rights with towns and/or the Cape Cod Commission in lieu of a DRI review (as the fiscal year ended, two developments, Mashpee Commons and Red Jacket Resorts, had begun to utilize this process and obtained initial approvals from the Commission);
- ☆ Amendments to Chapter G: Growth Incentive Zone Regulations - to further enable the towns to request modification of the Commission's DRI thresholds to attract development into their designated growth zones and away from other outlying areas; and,
- ☆ Amendments to Section 14 of the Enabling Regulations Governing Developments of Regional Impact - to enable a property owner to seek a certificate in recordable form that his/her development is not a DRI if it so qualifies.

In addition, the staff developed scoping checklists to enable a development to seek limited DRI review in specific issue areas to provide a streamlined DRI review.

The staff of the Regulatory Program trained

Commission members and other staff in:

- * Developments of Regional Impact
- * Subcommittees
- * CCC Communications Policy
- * Regulatory Toolbox
- * Standards of Review
- * Regional Policy Plan
- * Land Use Vision Maps
- * Local Comprehensive Plans
- * Growth Incentive Zones
- * Jurisdiction
- * Modifications to DRIs
- * Hardship Exemptions
- * Projects of Community Benefit
- * DRI Exemptions
- * Change of Use
- * Limited Review
- * Joint Review/MEPA
- * Districts of Critical Planning Concern
- * Development Agreements
- * Open Meeting Law

The Regulatory Program staff also coordinated the submission of comment letters on behalf of the Cape Cod Commission for four Comprehensive Permit (40B) projects and 24 Environmental Notification Forms. A list of those projects, broken down by town, is provided in the Town Services section of this annual report.

EVENTS AND WORKSHOPS

Cape Cod Commission Executive Director Paul Niedzwiecki actively engaged in outreach and community relations activities throughout Fiscal Year 2010. In addition to 33 Cape Cod Commission meetings and hearings and 14 meetings of the board of Barnstable County Commissioners, he presented information about the agency or participated in about 150 other meetings with civic organizations and neighborhood associations, economic development boards, political and governmental leaders, and municipal officials, discussing significant regional issues that included economic development, wastewater management, renewable energy, use of herbicides on Cape Cod, and regionalization opportunities.

A sampling of some of the other events, workshops, and training sessions organized and presented by

the Commission staff and partner organizations are highlighted here:

Affordable housing

- Five focus groups on 10/4/09, 10/23/09, and 11/4/09 and a public meeting on 12/21/09 on the region's Fair Housing Plan
- Massachusetts Housing Partnership workshop on 4/29/2010 on Municipal Affordable Housing Trusts

Coastal resources, planning, and mapping

- Public seminar (cosponsored by Massachusetts Office of Coastal Zone Management, the Waquoit Bay National Estuarine Research Reserve, and the Cape Cod Commission) on 11/19/09 on Coastal Hazards Mapping: Preparing for Current and Future Impacts with Available Tools
- Sessions for officials of Cape towns in summer and fall 2009 on Multi-Hazard Mitigation Plans

Economic development

- Workshop by the US Economic Development Administration on 7/28/09 on Federal Funding Grants
- Workshop on 10/27/09 on the implementation (Phase III) of the region's Comprehensive Economic Development Strategy (CEDS)
- Presentation on 1/26/10 to Barnstable Economic Development Commission on economic data/framework
- Summit on 5/12/10 for the Annual Update of the CEDS

Energy and land use planning

- Conference presentation on renewable energy and the Cape Cod Regional Policy Plan on 4/13/10 at the American Planning Association (APA) 2010 National Planning Conference

Historic preservation/community character

- Presentations about Cape Cod Architecture and Historic Preservation - on 7/2/09 at the Craigville Conference Center; on 9/30/09 at Cape Cod Community College; and on 6/8/10 at Tales of Cape Cod (Barnstable Village)
- Seminar for Cape Cod historic district commissions and historic review boards on 10/27/09 on Due Process, Design Review, and Decisions
- Public workshop (cosponsored by the Cape Cod

Commission with Historic New England and the Historical Society of Old Yarmouth) on 1/21/10 on Preservation Restrictions and Protecting Historic Properties

- Public workshop on 3/25/10 on Historic Buildings and Green Design

Land use planning and regulation

- Citizen Planner Training Collaborative workshop on 10/29/09 on Introduction to the Zoning Act
- Citizen Planner Training Collaborative workshop on 11/4/09 on Vested Rights and Nonconforming Uses and Structures

Land use planning and transportation

- Public meeting on 3/23/10 on the update to the Route 6A Corridor Management Plan

Open space and natural resources

- Cape Cod Pathways Walking Weekend, October 9-12, 2009
- Cape Cod Pathways CapeWalk, June 5-13, 2010

Parliamentary procedures

- Training session on 9/17/09 featuring Robert Ritchie, Esq., former director of the Municipal Law Unit for the Massachusetts Office of the Attorney General and president of the Massachusetts City Solicitors/Town Counsel Association, and James Lampke, Esq., of Lampke and Lampke

Transportation

- Monthly meetings of the Cape Cod Joint Transportation Committee and periodic meetings of the Cape Cod Metropolitan Planning Organization
- Public charrettes and meetings in July, August, and September 2009 and January 2010 on the Yarmouth Road (Willow Street) Corridor Study
- Regional Transportation Plan public workshops on 3/15/10 in Eastham, on 3/16/10 in Hyannis, and on 3/18/10 in Buzzards Bay
- Regional Transportation Plan public workshop on 6/26/10 on Bike and Pedestrian Modes
- Smart Transportation Week, from June 27 through July 3, 2010, in close collaboration with the Cape Cod Regional Transit Authority, to showcase Cape transportation alternatives

Wastewater management

- Public workshop (cosponsored by Massachusetts Office of Coastal Zone Management, the Waquoit Bay National Estuarine Research Reserve, and the Cape Cod Commission) on 10/28/09 on Understanding and Navigating the Regulatory Framework for Wastewater Planning
- Presentation on 12/5/09 for the “Rethinking Sewers” workshop of the Mashpee Sewer Commission
- Participation on 5/15/10 in a forum (sponsored by the New England Interstate Water Pollution Control Commission, with the Massachusetts Department of Environmental Protection, the Cape Cod Water Protection Collaborative, and others) on “Planning and Implementing Wastewater Solutions”

Water resources

- Presentation at the October 2009 National Contaminated Soils Conference in Amherst, Massachusetts, on air sparging techniques to address residual petroleum hydrocarbon contamination
- Water education festivals at local schools: 10/2/09 in Falmouth, 11/13/09 in Chatham, 11/20/09 in Orleans, 12/11/09 and 12/14/09 in Dennis, 1/8/10 in Barnstable, 1/11/10 and 2/1/10 in Sandwich, 2/11/10 in Mashpee, 2/26/10 in Brewster, and 3/11/10 in Yarmouth
- Presentation on 3/23/10 at the Sturgis Library/ Barnstable on Rain Gardens

TOWN SERVICES

In addition to benefiting from regional services provided by the Cape Cod Commission, each of the 15 towns in Barnstable County receives a variety of direct assistance. The services span the regional issues highlighted previously in this report, but with a local emphasis, tailored to the specific needs of each community. These activities are listed alphabetically by town on the following pages:

TOWN OF BARNSTABLE

Planning and Community Development

- * Provided technical assistance to the town to study options to guide redevelopment along Route 132 as part of the community’s long-range planning efforts. This key regional roadway provides direct access to the Cape’s largest regional shopping district and is a vital connection to and from Hyannis, the municipal airport and other transportation centers

to the Cape and Islands. The work was completed under a DLTA grant, and included developing access management, traffic safety, design, and infrastructure improvements.

Affordable Housing

- * Made eight down payment/closing cost loans totaling \$59,880 to low-income first-time homebuyers.
- * Six low-income first-time homebuyers received mortgages from the Soft Second Loan Program.
- * Made a conditional reservation of \$125,000 in HOME funds to the Barnstable Housing Authority for its 12-unit affordable rental development on Stage Coach Road.
- * Made a conditional reservation of \$150,000 in HOME funds to the Preservation of Affordable Housing toward its effort to acquire, rehabilitate, and preserve 124 affordable rental units at Cromwell Court.
- * Made a \$3,000 Technical Assistance Program (TAP) award to the Town of Barnstable for a development consultant to analyze a town-owned property on Pearl Street.
- * Made a \$3,000 TAP award to the Barnstable Housing Authority (BHA) for a feasibility analysis for the best use of a dozen BHA-owned properties.

TECHNICAL SERVICES

District Local Technical Assistance

- * With \$7,500 from DLTA funds and a \$20,000 match from Barnstable County, the Commission will help facilitate and coordinate an agreement among the towns of Barnstable, Falmouth, Mashpee, and Sandwich for municipal nitrogen management responsibility in two shared watersheds.

Geographic Information System

- * Created concept plans depicting a variety of roadway scenarios for the redesign of Yarmouth Road/Willow Street.
- * Provided West Barnstable Fire Department with maps of water supply areas.

Transportation

- * Conducted 20 automatic traffic recorder counts on road segments and 35 turning movement counts at intersections in Barnstable.
- * Analyzed route choices by drivers on West Main

Street northbound and Route 28 westbound in Centerville.

* Concluded the study of Yarmouth Road, identifying a preferred alternative (four lanes and a multi-use path). The process included extensive public outreach, including door-to-door canvassing, many public meetings, and an online survey.

Water Resources

* Worked as part of the town's technical team to evaluate and screen potential sites for effluent discharge and provided information about financial planning for wastewater infrastructure and GIZ compliance for wastewater volumes.

* Held an outreach and education program on the introductory, environmental, and technology components of the wastewater plan at Centerville Civic Association.

* Completed follow-up work to the Zone II delineation for the Barnstable Fire District's (BFD) new Well #5, which was approved by the Massachusetts Department of Environmental Protection (DEP) in September. This project included the use of the USGS groundwater model and pump test software to simulate the effect of the new well on the aquifer. Water staff met with DEP and BFD officials several times to finalize an appropriate water-table monitoring program that will become part of the Water Management Act Permit.

* Conducted a town-wide Zone II delineation for the Town of Barnstable, which has four separate water districts. Work this year included compilation of pumping data and preparation of a Zone II proposal to DEP and preparation of initial groundwater modeling data sets. The project is scheduled for completion in the summer.

* Continued to conduct and manage the clean-up activities at the Barnstable County Fire Training Academy (BFTA). Water staff implemented a half-million dollar remedial response action at the BFTA four years ago to capture a plume of perchlorate from the prior use of road and marine rocket flares. Staff oversees the system's operation and maintenance and is responsible for groundwater sampling and regular reporting to DEP according to clean-up regulations. Water staff also continues to oversee an air sparging system to deal with residual petroleum hydrocarbon contamination.

* Provided an update to the Hyannis Water Board

about perchlorate clean-up activities.

* Provided assistance with stormwater issues including review of low-impact design (LID) implementation in the Hyannis Growth Incentive Zone; implementation of LID sidewalk runoff in Barnstable Village; and assistance to the town on incorporating LID into roadway drainage design.

* Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for 32 ponds.

* Conducted a water education festival for 155 students.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

* Provided \$30,093 in DRI mitigation funds from the Circuit City project to the Barnstable Housing Authority towards its Stage Coach Road project.

* Provided \$15,000 in DRI mitigation funds from the BJ's Wholesale project to the Barnstable Housing Authority for furtherance of affordable housing initiatives in town.

DRI Decisions in Fiscal Year 2010 (in chronological order)

* Dalby ANR - proposed division of a 30+ acre lot into two lots. CCC approved a Hardship Exemption on 7/23/09.

* Haseotes Addition - proposed exemption from the limited moratorium for changes and addition to an existing house in a DCPC. CCC approved the DCPC Hardship Exemption on 7/23/09, and approved Minor Modification changes to the plans on 9/15/09.

* Mystic River Realty Trust - proposed ANR plan dividing a 60-acre tract of land into two lots. CCC accepted the applicant's withdrawal of the proposal on 9/17/09.

* Hyannisport Club - proposed demolition of the 18th century Marchant House on the grounds of the Hyannisport Golf Course. CCC accepted the town's request for a discretionary referral on 12/3/09 (scope of review limited to historic preservation/community character issues), then accepted the applicant's withdrawal of the proposal on 4/29/10.

* Barnstable Municipal Airport Access & Egress Design - proposed Major Modification to access and egress; scope of review limited to transportation issues. CCC approved the DRI on 6/24/10.

Other DRIs

* The Village at Barnstable - CCC approved a Notice of Intent to File a Development Agreement on 12/17/09.

DRI Minor Modifications

* FW Webb - changes to site design/fencing, approved 11/19/09; minor changes to landscape design, approved 7/22/09; and escrow for landscaping; adjustment to transportation signal timing, approved 1/21/10.

* Barnstable Municipal Airport Improvements Project - changes to terminal size/massing, with smaller and fewer roof elements, approved 7/6/09; addition of tower, approved 3/15/10; new access/egress design, approved 4/12/10; modify general condition, approved 5/24/10; and add canopy to ACTC, approved 5/24/10.

* Cape Cod Mall Renovation & Expansion - test installation of wind turbines at mall, approved 1/4/10; and modifications to TD BankNorth lights, approved 9/9/09.

* Duane Historic Residence/68 Dale Avenue - changes to building renovation due to structural issues, approved 5/6/10; and changes to building renovation due to structural issues, approved 6/14/10.

DRI Reviews Ongoing at Year End

* BJ's Wholesale Club Addition - Awaiting completed application at year end.

Other Regulatory Assistance

* Centerville Village DCPC -approved the DCPC Implementing Regulations on 8/6/09.

* Craigville Beach DCPC -accepted the renomination on 10/1/09, and voted to forward it to the Assembly of Delegates on 10/15/09. The Assembly voted to designate the district on 11/4/09, and the Commission approved the DCPC Implementing Regulations on 6/10/10.

* Submitted comment letters to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Forms (ENFs) for The Village at Barnstable (10/23/09), Barrel Hill Subdivision (10/26/09), and the Stage Coach Residences Comprehensive Permit (40B) application on 11/20/09.

PLANNING AND COMMUNITY DEVELOPMENT

* Provided planning assistance to the Main Street Buzzards Bay Steering Committee, and technical assistance to the town regarding a Growth Incentive Zone application in Buzzards Bay.

Affordable Housing

* Made five down payment/closing cost loans totaling \$46,290 to low-income first-time homebuyers.

* Four low-income first-time homebuyers received mortgages from the Soft Second Loan Program.

* Made a conditional commitment of \$150,000 in HOME funds to the Housing Assistance Corporation for its 45-unit affordable senior rental development at Clay Pond Cove.

* Supported the town's efforts to have the Massachusetts Department of Housing and Community Development restore five affordable units to the Subsidized Housing Inventory.

Technical Services

Transportation

* Provided technical assistance related to transportation aspects of the proposed Buzzards Bay Growth Incentive Zone application and to the Main Street Buzzards Bay Steering Committee.

* Provided technical assistance related to the town's proposed amendments to the Bournedale District of Critical Planning Concern (DCPC).

* Provided technical assistance related to a proposed wind-energy project along the Scenic Highway.

* Assisted with the development of the Massachusetts Department of Transportation's Intelligent Transportation System (ITS) project along the Cape Cod Canal area.

* Conducted 11 automatic traffic recorder counts on road segments in Bourne.

Water Resources

* Provided assistance to estimate wastewater flows for a potential Growth Incentive Zone in Buzzards Bay.

LEGAL / REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

* Provided \$18,835 in DRI mitigation funds from the Adventure Isle project to the town for the Main Street Streetscape Phase III project.

* Provided \$20,000 in DRI mitigation funds from the Sagamore Highlands project for the town's Affordable Housing Gap Adjustment Program.

* In additions, executed agreements for \$10,000 in DRI mitigation funds towards the Little Sandy Pond Road public access plan and \$20,000 in DRI mitigation funds towards the Main Street/ Army Corps of Engineers parking lot access drive construction project.

DRI Minor Modifications

* Bourne Integrated Solid Waste Management Facility - to include landfill gas turbines, approved 8/31/09.
* Cape Sagamore Highlands/Highland Village Realty Trust - to allow a land trust or the town to accept the open space, approved 9/29/09.

Other Regulatory Assistance

* Submitted comment letters to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Forms (ENFs) for Hen Cove Maintenance Dredging and Beach Nourishment (1/8/10), Phinneys Harbor/Monument Beach Marina (8/6/09), Veterans Cemetery (11/16/09), Massachusetts National Guard at MMR NPC Training project (1/12/10), Scenic Highway Wind Turbines (6/14/10), and the Chase Road Developers Inc. 230 Sandwich Road Comprehensive Permit (40B) application on 5/26/10.

TOWN OF BREWSTER

PLANNING AND COMMUNITY DEVELOPMENT

Affordable Housing

* Two low-income first-time homebuyers received mortgages from the Soft Second Loan Program.

TECHNICAL SERVICES

Geographic Information System

* Started the Massachusetts Estuaries Project watershed analysis for Bass River.
* Updated the town's Multi-Hazard Mitigation map.

Transportation

* Conducted seven automatic traffic recorder counts on road segments and three turning movement counts at intersections in Brewster.
* Assisted with public outreach efforts and technical assistance on the design of Crosby Lane.

Water Resources

* Prepared support letters for aquifer land acquisition.

* Conducted a water education festival for 160 students.

* Completed local pond assessments that were funded through Barnstable County. The three-year project was completed this year under contract with the UMass-Dartmouth School for Marine Science and Technology.

* Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for 28 ponds.

LEGAL/REGULATORY

DRI Decision in Fiscal Year 2010

* Brewster VFW Pavilion - proposed pavilion over an outdoor picnic area in a DCPC. Approved the DCPC Hardship Exemption on 8/20/09.

DRI Minor Modification

* Cape Cod National Golf - to allow play by non-members off season, approved 11/30/09.

DRI Reviews Ongoing at Year End

* Windrift Acres - proposed 22-lot subdivision on 55 acres; the applicant requested the Commission procedurally deny the project without prejudice, which CCC approved on 3/18/10. Applicant to resubmit. Awaiting completed application at year end.

Other Regulatory Assistance

* Brewster Water Protection DCPC Implementing Regulations - approved 10/1/09.
* Submitted comment letters to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Forms (ENFs) for Sea Lines Kayak Storage and Dune Restoration (3/13/10) and Stony Brook Marsh (7/27/09).

TOWN OF CHATHAM

PLANNING AND COMMUNITY DEVELOPMENT

* Made presentations at two public forums, in October and November 2009, about ways to improve community character and guide redevelopment in West Chatham.
* Developed draft historic preservation restriction for historic property in Old Village (restriction to be held by Chatham Historical Commission).

TECHNICAL SERVICES

District Local Technical Assistance

* With \$10,837 in 2009-2010 DLTA funds, conducted visioning work to develop and coordinate land use planning and roadway improvements for the Route 28 corridor in West Chatham.

* With \$10,000 in 2008-2009 DLTA funds, completed work related to the preparation of an overlay district for “workforce housing” zoning.

Geographic Information System

* Updated the town’s Multi-Hazard Mitigation map.

Transportation

* Conducted 16 automatic traffic recorder counts on road segments and eight turning movement counts at intersections in Chatham.

* Videotaped traffic in the Main Street rotary and analyzed the results to understand the volume of traffic through the rotary and its origins and destinations.

* Assisted with the review of potential roadway and intersection improvements on Route 28 in West Chatham.

* Collected traffic data to assist the review of the proposed replacement of the Mitchell River Bridge.

Water Resources

* Coordinated the regulatory review of Chatham’s Comprehensive Wastewater Management Plan (CWMP) Draft and Final Environmental Impact Reports and Development of Regional Impact, approved by CCC in October. Work leading to the approval included the development of a detailed scope for an Adaptive Management Plan that will be submitted by the town in the next two years. The Adaptive Management Plan will provide the basis for reporting on the implementation of the 30-year, \$300-million dollar CWMP, including monitoring and regular review meetings.

* Conducted a water education festival for 114 students.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

* Provided \$6,138 in DRI mitigation funds from the Acme project to the town towards the creation of a bicycle/pedestrian connection from Volunteer Park to the Old Colony Rail Trail.

DRI Decision in Fiscal Year 2010

* Chatham Comprehensive Wastewater Management Plan - CCC approved the DRI on 10/29/09.

DRI Reviews Ongoing at Year End

* Chatham Cellular Tower Monopole - Awaiting completed application at year end.

Other Regulatory Assistance

* Submitted a comment letter to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Form (ENF) for Marconi RCA Wireless (2/25/10).

TOWN OF DENNIS

PLANNING AND COMMUNITY DEVELOPMENT

* Provided planning and technical assistance on a Growth Incentive Zone application for downtown Dennisport.

* Provided planning and technical assistance on the town’s portion of the Regional Land Use Vision Map.

* Prepared a successful application for the US Department of Energy’s Energy Efficiency and Conservation Block Grant on behalf of the town to support solar photovoltaic municipal projects.

Affordable Housing

* Made four down payment/closing cost loans totaling \$20,649 to low-income first-time homebuyers.

* Two low-income first-time homebuyers received mortgages from the Soft Second Loan Program.

* Made a conditional commitment of \$60,000 in HOME funds to the Housing Assistance Corporation for its two-unit Dennis Homeownership Project.

TECHNICAL SERVICES

Geographic Information System

* Completed Massachusetts Estuaries Project watershed analysis for Sesuit Harbor and started the analysis for Swan Pond Creek and Bass River.

* Updated the town’s Multi-Hazard Mitigation map.

* Updated parcel information.

* Completed a map series for the Dennisport visioning charrette.

Transportation

* Conducted 10 automatic traffic recorder counts on road segments and eight turning movement counts at intersections in Dennis.

Water Resources

- * Prepared support letters for aquifer land acquisition.
- * Completed local pond assessments that were funded through Barnstable County. The three-year project was completed this year under contract with the UMass-Dartmouth School for Marine Science and Technology.
- * Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for 11 ponds.

TOWN OF EASTHAM

TECHNICAL SERVICES

District Local Technical Assistance

- * With \$7,500 DLTA funds, supported shared economic development services and arts and culture development for the towns of Wellfleet and Eastham.

Geographic Information System

- * Mapped cultural heritage sites.
- * Updated the town's Multi-Hazard Mitigation map.
- * Worked with the town, the Commission's Water Resources staff, and AmeriCorps Cape Cod members to map the locations of private wells along NSTAR utility rights of way to identify wells potentially vulnerable to herbicide contamination.

Transportation

- * Finalized a transportation safety study of and recommendations for the Eastham Rotary in Eastham and Orleans.
- * Conducted seven automatic traffic recorder counts on road segments in Eastham.

Water Resources

- * Provided the town with an interpretation of several years of water quality data for two ponds.
- * Responded to a growing concern about the spraying of pesticides along the NSTAR rights of way by providing technical assistance to the Eastham Board of Health and making use of a GPS unit and GIS services to map the locations of private wells in the area of the utility easements.
- * Reviewed the impacts of proposed parking lots in and around the Cape Cod National Seashore.
- * Reviewed the Eastham water supply project to locate and permit new municipal well sites.
- * Assisted the town in responding to an EPA

enforcement order on the implementation of the town's Phase II stormwater permit.

- * Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for 12 ponds.

TOWN OF FALMOUTH

PLANNING AND COMMUNITY DEVELOPMENT

- * With GIS staff, continued to support the work of the Falmouth Planning Board and the Local Comprehensive Planning Committee on the town's Local Comprehensive Plan update.

Affordable Housing

- * Made five down payment/closing cost loans totaling \$37,050 to low-income first-time homebuyers.
- * Two low-income first-time homebuyers received mortgages from the Soft Second Loan Program.

TECHNICAL SERVICES

District Local Technical Assistance

- * With \$7,500 from DLTA funds and a \$20,000 match from Barnstable County, the Commission will help facilitate and coordinate an agreement among the towns of Barnstable, Falmouth, Mashpee, and Sandwich for municipal nitrogen-management responsibility in two shared watersheds.

Transportation

- * Conducted 20 automatic traffic recorder counts on road segments in Falmouth.

Water Resources

- * Reviewed Megansett Harbor development projects.
- * Conducted a water education festival for 110 students.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

- * Provided \$14,895 in DRI mitigation funds from the Marine Biological Lab, Silver Square, and Golf Club of Cape Cod projects to the town towards the intersections improvement project.
- * In addition, executed an agreement for \$50,090 of DRI mitigation funds towards the Massachusetts Estuaries Project (MEP) work at Wild Harbor.

DRI Decision in Fiscal Year 2010

* Falmouth Hospital Association, Inc. - proposed linear accelerator. On 3/15/10, the Regulatory Committee determined that no DRI review is required.

DRI Minor Modifications

* ITW Barnstable County Fairgrounds (Wireless Facility) - to allow certificates to be issued for each carrier, approved 9/1/09.

Other Regulatory Assistance

* Submitted comment letters to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Forms (ENFs) for Byron Woodman Trustee/Racing Beach Avenue (9/28/09), Bourne's Pond Inner Channel Dredging (12/11/09), Massachusetts National Guard at MMR NPC Training project (1/12/10), the Steamship Authority Parking Lots (4/9/10), and the Fiber Optic Cable (Fairhaven to Martha's Vineyard via Falmouth) project (6/23/10).

TOWN OF HARWICH

PLANNING AND COMMUNITY DEVELOPMENT

* Hired by the Town of Harwich and East Harwich Village Collaborative to draft new zoning for the East Harwich commercial center located at the intersection of Route 137 and Route 39. The work, scheduled to be completed by December 31, 2010, includes the development of new zoning for the commercial district and surrounding residentially zoned property.

* Continued to participate as a member of the East Harwich Village Collaborative.

* With GIS staff, continued to provide support for the town's portion of the Regional Land Use Vision Map.

* Began work on an economic development study of Saquatucket and Wychmere harbors.

* Assisted the town in identifying funding sources for harbor improvement work.

Affordable Housing

* Made 10 down payment/closing cost loans totaling \$45,084 to low-income first-time homebuyers.

* Six low-income first-time homebuyers received mortgages from the Soft Second Loan Program.

* Made a conditional commitment of \$120,000 in HOME funds to McShane Construction Company for

the construction and sale of four affordable homes on town-donated parcels under the Harwich American Dream program.

TECHNICAL SERVICES

District Local Technical Assistance

* With \$25,000 in DLTA funds and a \$15,000 match from the Town of Harwich, supported the development of a model Economic Development and Harbor Management Plan, including retention of marine-dependent businesses and planning for bicycle and pedestrian connectivity.

Geographic Information System

* Completed Massachusetts Estuaries Project watershed analysis.

* Updated the town's Multi-Hazard Mitigation map.

* Updated parcel information.

Transportation

* Conducted 27 automatic traffic recorder counts on road segments and three turning movement counts at intersections in Harwich.

* Initiated a study to improve bicycle and pedestrian facilities and public transportation.

* Made a presentation about the Regional Transportation Plan to receive input from selectmen.

Water Resources

* Participated in the development of the DLTA-funded harbor management plan for Saquatucket and Wychmere harbors (see above).

* Prepared support letters for aquifer land acquisition.

* Conducted a water education festival for 117 students.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

* Executed an agreement for \$194,936 of DRI mitigation funds towards the multi-modal pedestrian/bicycle project on Long Pond Drive.

DRI Minor Modification

* Keyspan Sagamore Line Reinforcement Project Mid-Segment Phase 2 - changes to construction plans, approved 12/10/09.

Other Regulatory Assistance

* Submitted a comment letter to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Form (ENF) for the Bruce Cahoon Water Treatment Facility on 12/29/09.

TOWN OF MASHPEE

PLANNING AND COMMUNITY DEVELOPMENT

* With GIS staff, supported the town's efforts to develop its portion of the Regional Land Use Vision Map.

* Prepared a successful application for the US Department of Energy's Energy Efficiency and Conservation Block Grant on behalf of the town to support solar photovoltaic municipal projects.

* Provided input and comment to the Mashpee Planning Board at the pre-application stage of the Mashpee Commons development for East Steeple Street, Trout Pond, and North Market Street neighborhoods.

Affordable Housing

* Made a conditional commitment of \$75,000 in HOME funds to Habitat for Humanity of Cape Cod for the construction and sale of three affordable homes on town-donated parcels.

* Made a \$3,000 Technical Assistance Program (TAP) award to the Mashpee Wampanoag Tribe for legal assistance for a Chapter 40B development on tribe-owned land.

TECHNICAL SERVICES

District Local Technical Assistance

* With \$7,500 from DLTA funds and a \$20,000 match from Barnstable County, the Commission will help facilitate and coordinate an agreement among the towns of Barnstable, Falmouth, Mashpee, and Sandwich for municipal nitrogen-management responsibility in two shared watersheds.

Geographic Information System

* Reorganized third-party data analysis into Massachusetts Estuaries Project format for comparative analysis for all Mashpee watersheds.

Transportation

* Conducted 15 automatic traffic recorder counts on road segments in Mashpee.

Water Resources

* Met with the Town of Mashpee Sewer Commission and reviewed the Massachusetts Estuaries Project (MEP) scenario results.

* Participated in the "Rethinking Sewers" workshop in Mashpee.

* Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for six ponds.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

* Executed an agreement for \$35,000 in DRI mitigation funds towards the town's nitrogen management plan.

* Executed an agreement for \$230,569 in DRI mitigation funds towards the bike path construction project on Route 130.

DRI Decisions in Fiscal Year 2010 (in chronological order)

* Mashpee Woods ANR Plan - proposed ANR subdivision plan with two commercial lots and seven industrial lots. Accepted the applicant's withdrawal of the proposal on 9/17/09.

* Mashpee Commons Master Plan - procedural denial without prejudice on 1/21/10; Notice of Intent to File a Development Agreement and modification to same, approved on 2/18/10.

DRI Minor Modifications

* SouthCape Village - to allow review of proposed new buildings/change references in plans, approved 11/19/09; and Joy Street modifications to accommodate angled parking layout, approved 1/28/10.

DRI Reviews Ongoing at Year End

* Cape Cod Cooperative Bank Preliminary Plan - proposed subdivision of 48 acres. Awaiting completed application at year end.

Other Regulatory Assistance

* Submitted a comment letter to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Forms (ENFs) for Massachusetts National Guard at MMR NPC Training project (1/12/10).

TOWN OF ORLEANS

PLANNING AND COMMUNITY DEVELOPMENT

- * Assisted the Pleasant Bay Alliance in developing a coastal atlas for Pleasant Bay.
- * Prepared a successful application for the US Department of Energy's Energy Efficiency and Conservation Block Grant on behalf of the town to support solar photovoltaic municipal projects.
- * Prepared an inventory of cultural landscapes in the community in concert with the Orleans Historical Commission and a graduate student intern.

Affordable Housing

- * Made one down payment/closing cost loan totaling \$6,586 to a low-income first-time homebuyer.
- * Two low-income first-time homebuyers received mortgages from the Soft Second Loan Program.
- * Made a conditional commitment of \$80,000 in HOME funds to Southside Realty Trust for the construction and sale of four affordable homes on town-donated land for the Hinckley Affordable Homes project.

TECHNICAL SERVICES

Geographic Information System

- * Mapped cultural heritage sites.
- * Completed Massachusetts Estuaries Project watershed analysis for Nauset Harbor.

Transportation

- * Finalized a transportation safety study of and recommendations for the Eastham Rotary in Eastham and Orleans.
- * Conducted four automatic traffic recorder counts on road segments in Orleans.
- * Discussed the Regional Transportation Plan with the Orleans Traffic Safety Committee to receive local input.
- * Assisted with the design of the proposed Route 6A/Route 28 roundabout.

Water Resources

- * Coordinated the regulatory review of the Orleans Comprehensive Wastewater Management Plan (CWMP) Expanded Environmental Notification Form (ENF).
- * Prepared support letters for aquifer land acquisition.
- * Conducted a water education festival for 80 students.

- * Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for 20 ponds.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

- * Provided \$2,600 in DRI mitigation funds from the Shaw's project for the John Hinckley Affordable Housing Project.
- * Provided \$38,468 in DRI mitigation funds from the Cape Cod Five, Shaw's, and HH Snow projects for the West Road crosswalk project.

DRI Decisions in Fiscal Year 2010 (in chronological order)

- * Daniels Construction & Demolition and Transfer Facility Expansion - proposed expansion of a construction & demolition debris-processing facility. Accepted the applicant's withdrawal of the proposal on 9/17/09.
- * Orleans Stop and Shop Gas Station - Accepted the town's discretionary referral on 1/17/10, then approved the applicant's withdrawal of the proposal on 6/10/10.

DRI Minor Modifications

- * Daniels Construction & Demolition and Transfer Facility - to allow use of tractor trailer trucks, approved 6/14/10.

Other Regulatory Assistance

- * Submitted a comment letter to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Forms (ENFs) for the Hirschberg Pier (6/23/10).

TOWN OF PROVINCETOWN

PLANNING AND COMMUNITY DEVELOPMENT

Affordable Housing

- * Made two down payment/closing cost loans totaling \$11,770 to low-income first-time homebuyers.
- * Made a conditional commitment of \$125,000 in HOME funds to The Community Builders for the construction of 50 affordable rental units on a town-donated parcel for the Province Landing project.

TECHNICAL SERVICES

Transportation

- * Finalized a transportation safety study of and recommendations for the intersection of Route 6 and Shank Painter Road in Provincetown.
- * Conducted six automatic traffic recorder counts on road segments and two turning movement counts at intersections in Provincetown.

WATER RESOURCES

- * Conducted a water education festival for 29 students.
- * Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for one pond.

LEGAL/REGULATORY

DRI Modification

- * Provincetown Wastewater Management Facilities Plan Phase 3 Sewer Extension - to address encroachment into wetland buffers and remediation, approved 4/12/10.

DRI Reviews Ongoing at Year End

- * Provincetown Waste Treatment Telecommunications Monopole - proposed construction of a wireless telecommunications facility at the waste treatment facility. Awaiting completed application at year end.

TOWN OF SANDWICH

PLANNING AND COMMUNITY DEVELOPMENT

- * Continued to support the town in its revision to the Local Comprehensive Plan (LCP). Certified the LCP on June 25, 2009, making Sandwich the eleventh Cape town to have a certified plan. Re-certified a revised version in early February 2010.
- * With GIS staff, supported the town's efforts to revise the Sandwich portion of the Regional Land Use Vision Map.
- * With Water staff, began work on developing interim wastewater solutions for the South Sandwich Village Center commercial district. The work, scheduled to be completed by December 2010, will explore possible short- and medium-term wastewater solutions to further the town's economic development goals for the area before completion of the town's Comprehensive Wastewater Management Plan.

Affordable Housing

- * Made five down payment/closing cost loans totaling \$29,415 to low-income first-time homebuyers.

- * Five low-income first-time homebuyers received mortgages from the Soft Second Loan Program.
- * Made a conditional reservation of \$175,000 in HOME funds to the Housing Assistance Corporation for 10 affordable single-person rental units for the first phase of its Community Green development.

TECHNICAL SERVICES

District Local Technical Assistance

- * With \$7,500 from DLTAFunds and a \$20,000 match from Barnstable County, the Commission will help facilitate and coordinate an agreement among the towns of Barnstable, Falmouth, Mashpee, and Sandwich for municipal nitrogen-management responsibility in two shared watersheds.
- * With \$25,000 from DLTAFunds, provided wastewater planning to support economic development in a regionally designated Economic Center in Sandwich.

Geographic Information System

- * Refined the town's portion of the Regional Land Use Vision Map, updating the Economic Centers to reflect recent zoning changes.
- * Updated parcel information.

Transportation

- * Conducted 26 automatic traffic recorder counts on road segments in Sandwich.
- * Participated in the launch of local planning efforts to connect the Cape Cod Canal bicycle path to downtown Sandwich.

Water Resources

- * Assisted in the development of a scope of work for the South Sandwich Village Development District, a DLTAFunded project.
- * Conducted two water education festivals for 280 students.
- * Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for three ponds.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

- * Provided \$12,152 in DRI mitigation funds from the Norse Pines project to Housing Assistance Corporation towards an affordable housing project.

* Provided \$20,200 in DRI mitigation funds from the Spaulding and Stop & Shop projects towards the intersection improvement project at Main and Jarves streets.

* Provided \$4,754 in DRI mitigation funds from the SouthCape Village and Spaulding projects for the Quaker Meetinghouse Road sidewalk project.

DRI MINOR MODIFICATIONS

* Watts Family Farm Wireless Telecommunications Facility - tower to be illuminated and marker painted, approved 7/6/09.

* Riverview School Comprehensive Facilities Plan - adjustments to landscape plan, approved 6/16/10.

DRI REVIEWS ONGOING AT YEAR END

* Forestdale Village - about 73,000 square feet of mixed-use development. Applicant requested a DRI procedural denial without prejudice, approved on 4/29/10. Awaiting the resubmission of a completed application at year end.

OTHER REGULATORY ASSISTANCE

* Sandwich Local Comprehensive Plan Modification to Certification of June 2009 - modification approved 2/4/10.

* Submitted comment letters to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Forms (ENFs) for the Cape Cod Canal East Mooring Basin Dredging (8/6/09), Forestdale Village Mixed USE/LIP (12/23/09 and 2/3/10), Atkins Road Cluster (2/26/10), and the Community Green/Former Dana's Field 40B Comprehensive Permit (4/8/10).

TOWN OF TRURO

PLANNING AND COMMUNITY DEVELOPMENT

* Served as technical advisors to the Herring River Restoration Committee, working on restoration of about 1,000 acres of salt marsh in the towns of Wellfleet and Truro.

TECHNICAL SERVICES

Geographic Information System

* Updated the town's Multi-Hazard Mitigation map.

Transportation

* Finalized a transportation safety study of and

recommendations for the Truro Central School zone and assisted with the bidding process for the improvements in that zone.

* Conducted eight automatic traffic recorder counts on road segments and 35 turning movement counts at intersections in Truro.

Water Resources

* Reviewed development projects for the Truro Affordable Housing Committee.

* Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for two ponds.

LEGAL/REGULATORY

DRI Reviews Ongoing at Year End

* Herring River Restoration - restoration of about 1,000 acres of salt marsh in the towns of Wellfleet and Truro.

Other Regulatory Assistance

* Submitted a comment letter to the Massachusetts Environmental Policy Act (MEPA) Office on the Environmental Notification Form (ENF) for the 576 Shore Road/Wee Bonnie Haven Deck (6/25/10).

TOWN OF WELLFLEET

PLANNING AND COMMUNITY DEVELOPMENT

* Served as technical advisors to the Herring River Restoration Committee, working on restoration of about 1,000 acres of salt marsh in Wellfleet and Truro.

* Participated in a workshop sponsored by the Wellfleet Town Forum concerning issues about the scale of residential development in town, and provided technical assistance to the Wellfleet Planning Board.

* Prepared an inventory of cultural landscapes in the town in concert with the Wellfleet Historical Commission and a graduate student intern.

Affordable Housing

* Made a \$2,500 Technical Assistance Program (TAP) award to the Wellfleet Housing Authority for well drilling to locate a feasible well site on a Housing Authority parcel.

TECHNICAL SERVICES

District Local Technical Assistance

* With \$7,500 DLTA funds, supported shared economic development services and arts and culture development for the towns of Wellfleet and Eastham.

Geographic Information System

* Mapped cultural heritage sites.
* Updated the town's Multi-Hazard Mitigation map.

Transportation

* Conducted 10 automatic traffic recorder counts on road segments in Wellfleet.

Water Resources

* Reviewed the impacts of proposed parking lots in and around the Cape Cod National Seashore.
* Reviewed development projects for the Wellfleet Housing Authority.
* Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for one pond.

LEGAL/REGULATORY

DRI Reviews Ongoing at Year End

* Herring River Restoration - restoration of about 1,000 acres of salt marsh in the towns of Wellfleet and Truro.

TOWN OF YARMOUTH

PLANNING AND COMMUNITY DEVELOPMENT

* Worked extensively with the town to plan for future commercial activity centers along the Route 28 corridor. Established a multi-disciplinary staff team to gather resource-related information and to explore alternatives in order to comprehensively plan the portion of Route 28 from the Parkers River to the Forest Road area. With town staff and the Yarmouth Planning Board, completed a build-out analysis for alternative development scenarios and prepared concept plans, sketches, and visuals to help the town's visioning for the streetscape and town-owned properties in the area. Work is continuing into Fiscal Year 2011.
* Provided technical assistance to the town in the update of its Local Comprehensive Plan.
* Assisted town committee in evaluation the significance and potential rehabilitation plans for an historic structure at Taylor Bray Farm in Yarmouthport.

Affordable Housing

* Made six down payment/closing cost loans totaling \$50,396 to low-income first-time homebuyers.
* Five low-income first-time homebuyers received mortgages from the Soft Second Loan Program.

TECHNICAL SERVICES

Geographic Information System

* Completed Massachusetts Estuaries Project watershed analysis for Parkers River and started the analysis for Bass River.
* Created concept plans depicting a variety of roadway scenarios for the redesign of Willow Street/Yarmouth Road.

Transportation

* Conducted 26 automatic traffic recorder counts on road segments and four turning movement counts at intersections in Yarmouth.
* Analyzed route choices by drivers on Route 28 westbound in Yarmouth.
* Concluded the study of Willow Street/Yarmouth Road, identifying a preferred alternative (four lanes and a multi-use path). The process included extensive public outreach, including door-to-door canvassing, many public meetings, and an online survey.
* Assisted with the Route 28 corridor planning outlined (above) under "Planning and Community Development."

Water Resources

* Reviewed water quality concerns related to the Yarmouth Road/Willow Street transportation alternatives study.
* Participated in meetings and workshops on the wastewater issues related to the existing Yarmouth Route 28 Growth Incentive Zone and the ongoing Route 28 study (see above, under "Planning and Community Development").
* Conducted a water education festival for 470 students.
* Conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for five ponds.

LEGAL/REGULATORY

DRI Mitigation Funds in Fiscal Year 2010

* Provided \$32,088 in DRI mitigation funds from the BJ's Wholesale project towards the town's Route 28

Phase II study.

DRI Decision in Fiscal Year 2010

* Red Jacket Resorts Redevelopment/Davenport -
Notice of Intent to File a Development Agreement,
approved 8/20/09.

DRI Reviews Ongoing at Year End

* Simpkins Residences - proposed renovation and
addition to an existing 1930 school building to create
65 units of housing. Awaiting completed application
at year end.