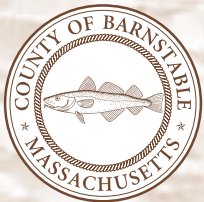


Cape Cod Commission
Annual Report • FISCAL YEAR 2002



Barnstable County • Massachusetts

Cape Cod Commission Members • FY02

Fiscal Year 2002 (July 1, 2001 through June 30, 2002):

Elizabeth Taylor, *Chair*

Robert D. Deane, *Vice Chair*

Robert Randolph, *Secretary*

Appointed Town Representatives:

Barnstable	David Ansel
Bourne	Robert D. Deane
Brewster	Elizabeth Taylor
Chatham	Catherine Frazer and (temporarily) Ronald Bergstrom
Dennis	Joseph Travelo (through 4/02), then vacant
Eastham	Ian Aitchison
Falmouth	Frank Shephard (through 4/02), then Henry F. Owens III
Harwich	Michael Sekerak (through 4/02), then vacant
Mashpee	Ernest Virgilio
Orleans	Herbert Olsen (through 4/02), then Frank H. Hogan
Provincetown	Len Stewart
Sandwich	Jay Schlaikjer (through 4/02), then vacant
Truro	Susan Kadar
Wellfleet	Alan Platt
Yarmouth	Thomas Broidrick
County Commissioner	Lance Lambros
Minority Representative	Robert Randolph
Native American Representative	Gloria Brundage
Governor's Appointee	vacant

Cover photo: A lone rider enjoys the bayside beach near the Quivet Neck/Crowe's Pasture District of Critical Planning Concern in Dennis. (Credit: Tana Watt/CCC)

Cape Cod Commission **Message from the Chair and the Executive Director**

Each year of the Cape Cod Commission's history has been remarkable. Fiscal Year 2002, the agency's twelfth full year, brought both accomplishments and challenges.

The Commission completed the second major update of the Regional Policy Plan, Barnstable County's "road map" for regional land use planning initiatives, the certification of local comprehensive plans, and the review of major developments. The Commission also supported the designation of the 250-acre Quivet Neck/Crowe's Pasture District of Critical Planning Concern (DCPC) in Dennis; the Barnstable County Assembly of Delegates approved the district in spring 2002. This year also brought progress in the affordable housing area, with the start or completion of county-supported rental and homeownership units in many towns across the Cape. Another highlight of the year was the nine-day end-to-end Cape Walk in spring; several hundred walkers joined the walk to enjoy Cape Cod's special places and to help advance the development of the Cape Cod Pathways trail network. Public transportation planning peaked this year, with the Cape Cod Transit Task Force's release of the "Five-year Plan for Public Transportation," which aims to reduce automobile dependency, to mitigate summer traffic problems, and to help address the needs of the Cape's year-round population. Among other highlights of the year, the Commission and Barnstable County kicked off the Cape's involvement in the Massachusetts Estuaries Project, a multiyear effort to make scientific assessments of the water quality in Cape Cod's embayments; the project will help towns to develop wastewater management plans to protect and restore coastal water quality.

The Commission wrestled with budgetary concerns in 2002. A projected shortfall for Fiscal Year 2003 stemmed primarily from limited revenue possibilities combined with increased costs. Through

compromises during the county budget review process, the Commission was able to meet the shortfall. We received county support for the cost of our rent and utilities, and we agreed to reduce staffing in several program areas. To ensure better fiscal health in future years, we initiated a thorough reevaluation of the expenses and revenues associated with our regulatory program and introduced a new fee structure.

The Commission experienced a significant turnover in the make-up of the board itself. Several members resigned or were replaced in the local appointment process; sadly, another Commission member passed away in the spring. To respond to these changes, the Commission staff and members developed support materials and helped orient new members to ensure continuity in our work. We thank our departing members for their commitment during their terms, and we look forward to working with our new members as we begin a new year.

The Commission responded to several major legal challenges in Fiscal Year 2002. These challenges tested, and, in some cases, may continue to test, the Development of Regional Impact (DRI) and DCPC decisions put in place by the Commission and Barnstable County to promote sound planning and development and to protect Cape Cod's environment and quality of life. Such legal challenges are a part of regulatory work, especially in fast-growing, environmentally sensitive regions.

This annual report describes the achievements of the Commission and its staff. We encourage readers to reflect on these notes, to continue to offer suggestions for ways we can improve our efforts, and to remain involved in the activities of the Cape Cod Commission throughout Fiscal Year 2003.



Elizabeth G. Taylor
Chair, Fiscal Year 2002
Brewster Representative, 1998 to present



Margo Fenn
Executive Director
Cape Cod Commission

Cape Cod Commission Program Highlights • FY02

As Barnstable County's planning and land use regulatory agency, the Cape Cod Commission provides services and coordinates many projects that affect both the entire region and each Cape Cod community. Activities involve promotion of affordable housing; analyses of demographic, economic, and geographic data and mapping; sponsorship of economic development programs; preservation of historic resources; protection of natural, marine, and coastal resources; preservation of open space; planning for and analyses of transportation, solid waste, and hazardous waste management; and protection of water quality and water supplies.

The Commission is charged with reviewing and regulating Developments of Regional Impact (DRIs) for all 15 communities of Barnstable County. The Commission is also charged with recommending designation of Districts of Critical Planning Concern, which, when approved as county ordinances by the Barnstable County Assembly of Delegates and County Commissioners, allow communities to protect resources of significant regional value through special regulatory and planning processes. In addition, the Commission is charged with preparing and overseeing the implementation of the Regional Policy Plan, the set of planning policies and objectives that guide development on Cape Cod.

Representation on the Cape Cod Commission provides each Cape town with opportunities to participate in setting regional policy and advocate for the town's interests in land use planning. Commission membership involves each town in regulatory and funding matters at regional, state, and federal levels. Many committees and councils in which the Commission is involved contribute to the quality of life throughout the region. Some of these groups include the Barnstable County HOME Consortium Advisory

Council, the Barnstable County Wastewater Implementation Committee, the Bays Legal Fund, the Cape Cod Economic Development Council, the Cape Cod Groundwater Guardian Team, the Cape Cod Joint Transportation Committee, the Cape Cod Metropolitan Planning Organization, the Citizens Advisory Council for the Massachusetts Military Reservation, the Massachusetts Bays Program, the Massachusetts Solid Waste Advisory Committee, the Massachusetts Hazardous Waste Advisory Committee, and the Upper Cape Lung Cancer Advisory Committee.

In Fiscal Year 2002, the Cape Cod Commission provided a wide variety of services to the entire Barnstable County region, the highlights of which are described in this section of the report.

Planning, Community Development, and Regulatory Activities

Land use planning and implementation of growth-management measures took a front seat in Fiscal Year 2002, both on the regional level and at the local level.

Regional Planning



Continuing work begun last year, the Cape Cod Commission completed the five-year revision of the Regional Policy Plan, holding more than 25 public hearings, meetings, and workshops for its review. The Barnstable County

Assembly of Delegates approved the plan as a county ordinance in March 2002; the plan became effective April 29, 2002. The Commission will now review all new proposals for Developments of Regional Impact (DRIs) following the standards of the revised plan.

A new recommendation in the Regional Policy Plan is for the Commission, working with all Cape communities, to develop a 20-year regional infrastructure and facilities (RIF) plan. The Commission initiated work on the plan this spring, setting goals that include identifying all existing infrastructure and facilities in towns, identifying location-specific needs, establishing priorities, identifying potential funding means and sources, and facilitating development of implementation plans. The first phase of the process will be limited to infrastructure related to land use and resource protection, such as wastewater, water supply, roads and transit, solid waste management, open space and cultural landscapes, and marine infrastructure.

Barnstable, Sandwich, and Wellfleet are serving as “pilot” towns to help the Commission assess needs and issues early in the process.

Regional planning for hazard mitigation also continued through the Commission’s coordination of Project Impact, a state- and federally supported program to enhance the area’s resistance to storms and storm-related damage. A regional steering committee developed a work plan last year; following that plan, Project Impact Cape Cod pursued a “regional risk and vulnerability assessment” and distributed maps to each Cape town at a workshop in June 2002. The assessment will help local officials, coastal specialists, planners, and emergency managers recognize risks to people and property from natural hazards such as storms and coastal flooding. Together participants began to develop a strategy to minimize or eliminate long-term risks through hazard mitigation efforts such as relocating, elevating, and flood-proofing structures in coastal flood zones, installing hurricane straps in roofs of buildings, and promoting sound land use planning based on the risk assessments. Early in Fiscal Year 2002, Project Impact also coordinated the purchase and installation of window safety film on several Massachusetts Military Reservation barracks that will serve as emergency shelters during severe weather events.

Local Planning

Regional support for local planning efforts also continued this fiscal year. The Town of Orleans became the ninth Cape Cod community to have its Local Comprehensive Plan certified as consistent with the Regional Policy Plan. The Commission certified the plan in July 2001. Orleans joins the towns of Barnstable, Eastham, Falmouth, Harwich, Mashpee, Provincetown, Truro, and Wellfleet in having a certified plan.

Through a special end-of-year grant program, Barnstable County awarded a total of \$100,000 to the towns of Barnstable, Provincetown, Sandwich, Wellfleet, and Yarmouth to pursue the implementation of their Local Comprehensive Plans (LCPs). The grants will cover a variety of town-proposed growth-management efforts, including design plans and guidelines, parking studies, creation of historic districts, and bylaw changes related to affordable housing, village-center development, subdivisions, and demolition regulations. Cape Cod Commission planning staff members are assisting the five communities with the implementation grants. Barnstable County anticipates funding the program over two or three years.

In a related effort this year, the Commission continues to support the Town of Provincetown as it revises its land use regulations. The Commission's planning staff worked together with the town's Local Comprehensive Plan Implementation Committee and the Planning Board to begin a comprehensive update of zoning bylaws, subdivision regulations, and sign code. With voter approval of over 30 zoning-related articles at Town Meeting in 2002, this cooperative effort will continue into the next fiscal year.

Districts of Critical Planning Concern

Cape communities continued to consider Districts of Critical Planning Concern (DCPCs) as one of the special land use planning tools provided by the Cape Cod Commission Act to support local and regional growth management:

- Early in the year, the Town of Harwich developed implementing regulations for the Six Ponds DCPC, which the Barnstable County Assembly of Delegates designated in May 2000. The DCPC encompasses more than 1,200 acres of land and 110 acres of pond surface area. The town's regulations aim to protect groundwater and surface water quality and supply, wildlife and ecological resources, and the rural and scenic character of the area. In late July 2001, the Commission approved the town's DCPC regulations, which included changes to zoning and subdivision bylaws and measures to permanently protect open space. Harwich voters adopted the revised bylaw later that summer.
- In September 2001, the Assembly of Delegates designated the Barnstable DCPC, a district encompassing about 60 square miles. The DCPC helped the town pursue growth management and affordable housing goals. The town then proposed regulations to implement the goals of the DCPC through a phased-in building cap that limits permits for new residential construction and encourages development of more affordable housing. The Commission approved the implementing regulations in late September. The designation was challenged by area builders in Barnstable Superior Court,

which issued a decision in June 2002 declaring the Barnstable DCPC designation to be “in excess of the authority” of the Cape Cod Commission Act. The decision specifically questioned whether the district’s affordable housing goals met the criteria for DCPC designation. Town and county leaders have filed a motion for the court to amend and reconsider the judgment. The town’s building cap remains in place.



Iana Waitt/COC

Headwaters of Quivet Creek, in the Quivet Neck/Crowe’s Pasture DCPC

- In late March 2002, the Assembly of Delegates also designated the Quivet Neck/Crowe’s Pasture DCPC in East Dennis. The 250-acre district encompasses undisturbed land, two freshwater ponds, a barrier beach, and an adjacent salt marsh and tidal creek. The town nominated the DCPC in late August, and the Commission recommended the designation to the Assembly after studying the proposal for several months. The goals of the district are to develop regulations and bylaws to manage residential growth in the area and to protect water and natural resources. The town is currently working on its proposed implementing regulations for the district.

Regulatory Activities

The Cape Cod Commission issued decisions on 22 proposals for Developments of Regional Impact (DRIs) and reviewed (and continues to review, in some cases) about 50 additional proposals in Fiscal Year 2002. The decisions covered proposals for office buildings, self-storage facilities, residential subdivisions, golf courses, wireless telecommunications facilities, road changes, redevelopment of existing buildings for commercial/retail use and for a medical facility, and alterations to historic structures. (See descriptions in the “Services to Towns” section at the end of this report.)

The Commission also provided technical comments to local zoning boards of appeals considering seven proposals for “comprehensive permits” under the state’s Chapter 40B affordable housing law. (See also the “Affordable Housing” section of this annual report.)

At the urging of the Barnstable County Assembly of Delegates and County Commissioners, the Cape Cod Commission this year evaluated and revised the regulatory fee schedule for DRI proposals. The Commission also revised several technical bulletins as part of its review of the Regional Policy Plan:

- **Technical Bulletin 94-001:** Guidelines for Calculation and Provision of Open Space in Developments of Regional Impact
- **Technical Bulletin 95-001:** Development of Regional Impact Standards and Submittal Requirements for Exterior Lighting Design
- **Technical Bulletin 96-002:** Guidelines for Referral of Historic Structures to the Cape Cod Commission

Development of Regional Impact (DRI) Decisions in Fiscal Year 2002

Project Name	Location	Description	Decision – Type and Date
• International Fund for Animal Welfare Headquarters	Summer Street, Yarmouth	Construction of a three-story office building	Approved - DRI - 07/12/01
• Ballymeade/Wyldewood Cluster Residential Development	Off Route 151, Falmouth	Subdivision into a 116-acre parcel of open space and a 30-acre 15-lot cluster residential development	Approved - DRI - 08/09/01
• Ballymeade Estates (The Golf Club at Cape Cod)	Off Falmouth Woods Road, Falmouth	Eighteen-hole golf course with a 12,090-sq.ft. lodge and other smaller buildings	Approved - DRI - 09/06/01
• Orleans Mini Storage	Industry Way, Orleans	Three one-story self-storage buildings on four parcels	Approved - DRI exemption - 09/06/01
• Herring River Lots	Bournedale area, Bourne	Subdivision of a 41-acre parcel into six lots: four single-family homes, plus one lot with a 6.4-acre conservation restriction and one 26-acre lot for town open space	Approved - DRI exemption - 11/15/01
• Anchor Self Storage	Off Route 130, Mashpee	Two-building self-storage facility	Approved - DRI - 11/15/01
• Flagship Storage Facility	Off Route 130, Mashpee	Multi-story, controlled-climate self-storage facility	Approved - DRI - 12/06/01
• Woods Hole Oceanographic Institution Road/Parking Lot Reconfiguration	Woods Hole Road, Falmouth	Construction of new internal "ring" road and reconstruction of main parking lot for WHOI's Quissett campus	Approved - DRI exemption - 12/20/01
• Captain's Golf Course Expansion Irrigation Well	Off Freeman's Way, Brewster	New irrigation well for an 18-hole golf course expansion of the town-operated course	Approved - DRI - 01/10/02
• Nymphas Hinckley House Alterations	48 Bay Street in Osterville, Barnstable	Renovation and relocation of a 1795 house; demolition of two additions and a garage; construction of additions	Approved - DRI - 01/24/02
• Willowbend Golf Course Expansion	130 Willowbend Drive, Mashpee	Nine-hole expansion to an existing golf course	Approved - DRI - 02/07/02
• Cingular Wireless Communications Facility	At the Truro landfill	Construction of a 190-ft. cellular phone tower plus equipment shelters	Approved - DRI - 02/21/02
• One Trowbridge Road Trust	One Trowbridge Road, Bourne	Demolition and redevelopment of a building for use as a medical primary care facility with some offices and retail space	Approved - DRI exemption - 03/07/02
• Captain Leander Hinckley House and Barn	Corner of Irving and Longwood Avenues in Hyannisport, Barnstable	Relocation of an historic barn, a new addition to a house, and alterations to two sides of the house	Approved - DRI - 03/21/02
• Hitchcock Cottage	351A Commercial Street, Provincetown	Demolition of a one-story cottage, construction of a new two-story house on piles	Approved - DRI - 03/21/02
• Storage Cape Cod	Holmes Road, Eastham	Construction of five self-storage buildings	Approved - DRI exemption - 04/18/02
• Valleau Historic Dwelling	47 Eliphamets Lane, Chatham	Reuse of a portion of existing historic dwelling in new construction and relocation/preservation of fish shanties	Approved - DRI - 05/02/02
• Industrial Communications & Electronics Inc. and Sprint PCS	Off Old Falmouth Road, Barnstable	Construction of a 180-ft. high monopole wireless communications facility	Approved - DRI - 05/16/02
• Cumberland Farms	On the Bourne Rotary, Bourne	Redevelopment of an existing gas/service station into a gas station with convenience store	Denied - Procedural denial - 05/16/02
• Silver Square Expansion	Corner of Route 28A and Route 151, Falmouth	Expansion of office space in an existing office and retail building	Approved - Hardship exemption - 05/16/02
• Costa Storage Facility	Route 6, Truro	Construction of one storage building	Approved - DRI exemption - 05/16/02
• New Seabury Expansion	Great Neck area, Mashpee	Construction of over 600 residential units, 80,000-sq.ft. commercial/retail space, a waste-water facility, golf facilities, and a restaurant	Denied - Procedural denial - 05/30/02

Affordable Housing

The Cape Cod Commission filled the position of affordable housing specialist this year, hiring Paul Ruchinkas in the fall. Ruchinkas previously served five years as executive director of a nonprofit community development corporation in Connecticut, four years as executive director of a community land trust in Worcester (MA), and four years as executive director of the nonprofit Falmouth (MA) Housing Trust.

HOME Consortium Programs

With Ruchinkas on staff, the Commission continued to coordinate the Barnstable County HOME Consortium Advisory Council, including the renewal of the Consortium's cooperation agreement for three years. The HOME Council supported these and other affordable housing initiatives:

- **HOME Funds:** In Fiscal Year 2002, the program committed or continued to service awards totaling about \$1,195,000 to create or rehabilitate about 312 units Capewide.
- **Down Payment Closing Cost Assistance Program:** This year, the program provided 27 loans totaling over \$178,000 Capewide.
- **Homeowner Repair Program:** This year, the program provided six loans totaling over \$42,000 Capewide.
- **Operating support for regional non-profits:** This year, the program committed \$10,000 for the Housing Land Trust for Cape Cod and \$29,000 for the Housing Assistance Corporation.

Soft Second Loan Program

The Cape Cod Commission also continued to administer the highly successful Soft Second Loan Program, which reduces loan costs and interest rates and subsidizes interest payments for the first 10 years of the "soft second" part of the mortgage. In Fiscal Year 2002, the program secured \$375,000 in state funds for the Cape and made home ownership possible for 27 low-income, first-time home buyers.



Wellfleet Apartments Complex

Paul Ruchinkas/CCC



Nancy Hossfeld/CCC

Gifford Street Project, Falmouth

Affordable Housing Production

Barnstable County experienced a notable increase in affordable housing production this year, including 12 units at the Aunt Sarah's project in Barnstable, 10 units for head-injured persons at CHIP's House II in Centerville, and 28 units at the Gifford Street project in Falmouth. In addition, construction was under way for 12 units at the Wellfleet Apartments, 65 units at Pine Oaks III in Harwich, 36 units at Osprey Lane in Sandwich, and 18 units at 32 Conwell Street in Provincetown.

Chapter 40B Comprehensive Permit Proposals

The Commission's affordable housing specialist and the planning staff provided comments on seven proposals for comprehensive permits to local zoning boards of appeals during Fiscal Year 2002. In addition, the Commission commented on many of the proposals to alter the Chapter 40B law under consideration by the Massachusetts Legislature.

Economic Development

The Cape Cod Commission supports a broad-based approach to economic development. Issues such as housing costs, transit services, environmental protection, employment and educational opportunities, and adequate infrastructure all have an impact on the region's ability to attract and maintain business, tourism, and the arts and cultural heritage of our communities.

Comprehensive Economic Development Strategy

As a follow-up to the recent revision of the Regional Policy Plan (see the "Planning, Community Development, and Regulatory Activities" section of this report), this year's annual Comprehensive Economic Development Strategy (CEDS) report was a five-year update and included reports from the Cape Cod Commission, the Cape Cod Economic Development Council, and eight other contributors from a variety of economic development agencies. The US Economic Development Administration (EDA) approved the CEDS with the understanding that an evaluation section be included as an addendum for last year's activities. Final approval of the CEDS will allow the Commission to apply for planning funds from the EDA and will allow Cape Cod municipalities and others to apply for grants to fund infrastructure projects that will create jobs.

Regional Infrastructure and Facilities Plan

The Cape Cod Commission began work on the Regional Infrastructure and Facilities (RIF)

Plan last fall (see the "Planning, Community Development, and Regulatory Activities" section of this report) and selected three initial pilot towns: Sandwich, Barnstable, and Wellfleet. A team of interns from Tufts University compiled a report on infrastructure planning across the US and worked on an inventory of issues for the three towns. The Commission is now in the process of refining the inventories and is continuing to devise the process for the Capewide RIF Plan.



Tana Watt/CCC

Regional infrastructure planning with Barnstable, a "pilot" town for the RIF Plan

Maritime Days

In collaboration with the Arts Foundation of Cape Cod and the Town of Barnstable Business Improvement District, the Cape Cod Commission helped organize the ninth annual Maritime Days celebration in May 2002. Activities included a new event, a maritime festival, held at Aselton Park on the waterfront in Hyannis, which included displays of classic wooden boats and maritime crafts, and entertainment featuring seafaring songs.

Maritime Days 2003 will begin Saturday, May 10, and run through Sunday, May 18. The Maritime Festival will take place on Saturday, May 17.

Research and Data Analyses

This year marked the beginning of an influx of data from the US Census 2000, the official 10-year national count of residents and housing units. The Commission continues to analyze a variety of Cape demographic, economic, housing, and fiscal data from federal, state, and other sources for dissemination to the public through its Web site (www.capecodcommission.org/data), its newsletter, (*Cape Cod Commission Reporter*), and press releases.

The Commission answered about 400 inquiries for demographic and economic data this fiscal year: 39 percent were business related (including referrals from chambers of commerce and the Cape Cod Economic Development Council); 37 percent were from governmental or nonprofit agencies; and 24 percent were from the news media, students, and the general public.



Gay Wells/CCC

Flag ceremony during Maritime Days 2002

Geographic Information System

The Cape Cod Commission continued to provide extensive geographic data analyses and mapping services to local municipalities, nonprofit organizations, and others in the region through its Geographic Information System (GIS). In addition to the activities described below and those listed for each town at the end of this report, the Commission provided GIS support for regional projects such as the ongoing water-quality studies of coastal embayments and freshwater ponds and lakes and the open space purchases communities are making with their Cape Cod Land Bank funds.

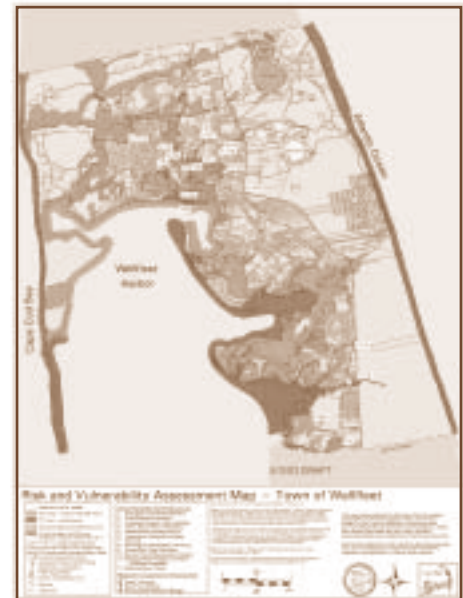
Geographic Support for Regional Planning Initiatives

In Fiscal Year 2002, the GIS office was heavily involved in supporting the mapping requirements of the Commission's five-year update of the Regional Policy Plan and Project Impact Cape Cod's regional risk and vulnerability assessments. Both are described in the "Planning, Community Development, and Regulatory Activities" section of this report.



Salt Marsh Atlas

The Commission also completed work on the state-contracted *Cape Cod Atlas of Tidally Restricted Salt Marshes*. The 200-page report, prepared by the Commission's planning staff with GIS support, identified marsh systems whose vegetation has been adversely affected because roads, railroads, causeways, footpaths, cranberry farming operations, or dikes have restricted the tidal flow through those areas. The atlas will help towns set priorities for,



Project Impact Cape Cod's risk and vulnerability assessment map for Wellfleet

plan, and initiate salt marsh restoration projects. The document included GIS maps, aerial imagery, and photographs, along with charts and data describing each site.

Marine and Coastal Resources

The Cape Cod Commission continued to work in partnership with many organizations to protect and manage marine and coastal resources, including tracking renewable energy, fisheries management, and aquaculture issues; monitoring the Massachusetts Water Resources Authority sewage outfall operation into Massachusetts and Cape Cod bays; and working with the Barnstable County Coastal Resources Committee to revise a marine water-quality survey.

Coastal Planning

In Fiscal Year 2002, the Cape Cod Commission participated in the five-year revision of the Massachusetts Bays Program's Comprehensive Conservation and Management Plan for Massachusetts and Cape Cod bays. The Massachusetts Bays Program is a component of the National Estuary Program managed by the US Environmental Protection Agency. Its principle goal, "the preservation and management of a healthy ecosystem of living resources," is accomplished by supporting local efforts to study and monitor the environment, by distributing information about coastal issues, and by providing technical support when needed.

The five-year revision process to the Cape Cod Commission's own Regional Policy Plan (see the "Planning, Community Development, and Regulatory Activities" section of this report) this year also resulted in a substantial rework of pertinent sections to include new marine and coastal interests such as maritime forests, marine infrastructure, and enhanced monitoring requirements.



MA Executive Office of Environmental Affairs

Rock Harbor, Orleans

Natural Resources and Land Protection

The Cape Cod Commission continued to support natural resources and land protection efforts across the region this year.

Support for Land Acquisitions

In the three years after the passage of the Cape Cod Land Bank bill, Cape communities authorized purchases of approximately 2,500 acres. This year, the Cape Cod Commission coordinated meetings of the Land Bank roundtable and cosponsored and coordinated the November 2001 Land Bank Day, a celebration of Land Bank accomplishments and a look at the future of land protection on Cape Cod.

Barnstable County's AmeriCorps-Cape Cod members also worked with the Commission to help catalogue Land Bank acquisitions and complete an information database through 2001 acquisitions.

The Commission also supported many local requests for state Self Help grant funding. (See the entries in the "Services to Towns" section at the end of this report.)

Coordination of Cape Cod Pathways

In addition to coordinating the annual fall Walking Weekend with 38 walks in the 15 Cape Cod towns, the Commission coordinated the biennial Cape Walk in June, a cross-Cape 110-mile walk through 11 towns from Bourne to Provincetown. Several hundred walkers (an average of 40 a day) ranging in

age from 12 to 82, participated in Cape Walk 2002. Nineteen walkers covered the entire route over the nine-day event.

At year end, the Commission administered special Barnstable County grant funds for Cape Cod Pathways projects. Grants to Barnstable, Brewster, Harwich, Sandwich, and Yarmouth will contribute to Pathways trail design, development, and maintenance, and trail map and guide development.



Martha Twombly/COC

Cape Walk 2002

Transportation

As required under the Transportation Equity Act for the 21st Century, the Cape Cod Commission coordinated transportation planning activities for the Cape Cod Metropolitan Planning Organization, which represents all 15 Cape towns. Efforts included preparation of the annual Unified Planning Work Program and the annual update of the Transportation Improvement Program (TIP). As a result, approximately \$75 million of local and regional transportation projects were eligible for state and federal transportation funding for Federal Fiscal Years 2002–2007.

Cape Cod Transit Task Force

The Commission's transportation staff played a key role in the development and advancement of the efforts of the Cape Cod Transit Task Force, which includes representatives of Congressman William Delahunt, the Massachusetts Executive Office of Transportation and Construction, Massachusetts Highway Department, Cape Cod Regional Transit Authority, Cape Cod Commission, Barnstable County, Cape Cod Chamber of Commerce, Cape Cod National Seashore, Steamship Authority, Lower Cape Community Coalition, and regional transportation providers. Goals of the task force include reducing dependency on automobiles, addressing year-round needs for public transportation, and mitigating summer traffic impacts.

The task force issued its Five-year Public Transportation Plan in June 2002, after holding public informational meetings and receiving other input on a draft issued in the fall of 2001.

Local and Regional Transportation Projects

The Commission continued to assist local, regional, and state agencies with the advancement of transportation projects, including:

- Cape Cod Canal region transportation improvements;
- Route 6 interchange improvements in Dennis (photo, page 17);
- Cape Cod Transportation Center in Hyannis;
- Cape Cod Rail Trail bridges over Route 6 in Harwich and Orleans (photos, page 17);
- Cape Cod Rail Trail reconstruction in Dennis, Harwich, Brewster, Orleans and Eastham; and
- improvements to Buck Island Road in Yarmouth.

Substantial progress occurred on many of these projects during this fiscal year. The new ramps at the interchange in Dennis and the Harwich bicycle bridge over Route 6 were opened, the new transportation center was almost completed, construction of the Orleans bicycle bridge began, portions of the Cape Cod Rail Trail in Brewster were reconstructed, and work began on Buck Island Road.



John Jannell/CCC



Robert Bersini/Orleans Highway Department

Top photo: Finished Cape Cod Rail Trail Bridge over Route 6 in Harwich. Above photo: Similar bridge under construction in Orleans.

Transportation Web Site

The Cape Cod Commission continued to maintain a transportation-related Web site (www.gocapecod.org) to provide traveler information. The site includes links to cameras showing traffic conditions at the Sagamore and Bourne bridges, bus and ferry schedules, and information on transportation projects that are in various phases of development on Cape Cod. The goal of the site is to promote efficient use of Cape transportation resources for all modes of travel. The site is partially funded under the congestion management and intermodal management systems tasks in the Commission's contract with the Massachusetts Highway Department.



John Jannell/CCC

Route 6 Interchange 9 improvements under construction in Dennis

Technical Assistance

The Commission supported municipalities with special studies, described in the "Services to Towns" section of this report. Of note are:

- the data collection for, analysis of, and report on Steamship Authority-related traffic impacts in Falmouth;
- an assessment of traffic impacts of proposed recreational ball fields on area roads in Marstons Mills;
- an analysis of the costs, benefits, and impacts of restoring two-way traffic flow on Main Street in Hyannis;
- the data collection for and analysis of traffic congestion and crashes to identify ways to improve Route 6 safety on the Outer Cape; and
- an analysis of the Sagamore and Barnstable park-and-ride lots with recommendations to improve efficiency, operations, and capacity.

The Commission also continued its transportation data-collection efforts, including traffic counts in all 15 Cape towns. The information helps communities identify needed transportation improvements, analyze traffic impacts of new development, and estimate future travel trends.

Waste Management

The Cape Cod Commission supports Barnstable County's and local efforts to reduce and manage solid and hazardous wastes. The Commission also represents the region on the Massachusetts Department of Environmental Protection's Solid Waste and Hazardous Waste advisory committees and the Council of SEMASS Communities.

Hazardous Waste

The Commission continued to support household hazardous product collection events across the Cape and compiled a report on the results. Especially noteworthy this year was a highly successful Capewide effort to remove mercury in the waste stream. In addition, the Commission supported Barnstable County's bid renewal for hazardous waste collection services and the county's selection of a vendor to collect, handle, and dispose of obsolete propane tanks from local transfer stations.



Nancy Hosfield/CCC

Recycling at the Dennis Transfer Station

Solid Waste

The Commission continues to support Barnstable County's feasibility study of a possible co-composting facility as an alternative to the SEMASS Waste-to-Energy facility in Rochester. Wright-Pierce, Inc., is the consultant the county selected for the feasibility study, which will be completed before the end of 2002.

The Commission compiled a survey of recycling markets, recycling rates, and waste management practices in Cape towns, and completed reports on solid waste and recycling across Cape Cod in 2001. The Commission also initiated a quarterly electronic newsletter (*Talkin' Trash*) that identifies solid waste and recycling issues pertinent to Cape towns. The newsletter is distributed via electronic mail to local departments of public works and others interested in solid waste management and disposal.

The Commission also provided technical assistance to towns on the Massachusetts Department of Environmental Protection's "Recycling Benefits Plan and Cumulative Impact Analysis," draft regulations governing future recycling policies and post landfill-capping procedures.

Water Resources

With the goals of understanding and protecting the region's groundwater, protecting public and private drinking water supplies, and protecting and restoring surface waters, the Cape Cod Commission participates in and conducts water-quality studies with local, regional, state, and federal agencies.

Pond Water Quality

Fiscal Year 2002 was "the year of the ponds" for the Cape Cod Commission. Using a pond-stewardship grant from the Massachusetts Watershed Initiative as the impetus, the Commission coordinated a secchi disk "dip-in" that involved more than 100 volunteer pond and lake stewards (PALS) measuring pond water clarity across the Cape. Following that effort, the Commission worked with scientists and staff from the University of Massachusetts at Dartmouth to coordinate water-quality sampling of more than 180 ponds using local coordinators and a handful of the PALS.

The Commission also secured a grant from the US Environmental Protection Agency to develop, conduct, and prepare a final report on the occurrence of mercury in the tissue of fish in eight ponds. The Massachusetts Department of Public Health used the data to issue health advisories on the consumption of fish in some of those ponds.

The Commission also participated in the treatment of Ashumet Pond in Mashpee and Falmouth with alum to reduce the amount of phosphorus in the water column; assisted the towns of Dennis, Eastham, and Sandwich in developing pond sampling strategies; coordinated sampling programs with the



Nancy Hossfeld/CCC

A "Ponds in Peril" workshop

National Park Service for ponds in the Cape Cod National Seashore; assisted the Town of Sandwich with a pond grant application to the Massachusetts Department of Environmental Management; assisted the Town of Brewster with two grant applications for alum treatment of Long Pond; prepared reports about the water quality of Bakers Pond and Crystal Lake in Orleans; and maintained the regional pond-level monitoring network.

The Commission presented these pond activities and preliminary results at "Ponds in Peril" workshops in Sandwich in November and in Harwich in May. As the fiscal year came to a close, efforts were under way to coordinate the summer 2002 secchi disk dip-in and pond-sampling program.

Wastewater Planning and Management

Wastewater planning and management for Cape Cod has always been a major interest of the Commission and Barnstable County. This year's work, including ongoing technical assistance on wastewater planning for Barnstable, Chatham, Harwich, Mashpee, Orleans, and Provincetown, builds upon this experience to prepare for new county initiatives.

The Commission received a Massachusetts Watershed Initiative grant for regional wastewater planning. Barnstable County also dedicated funds to the effort and fostered the establishment of a new county advisory Wastewater Implementation Committee. Representatives from the Commission and the county's Department of Health and Environment have been joined by state and town representatives to help develop a regional wastewater management strategy for Cape Cod.

The Commission and Barnstable County are also partners in the new Massachusetts Estuaries Project, which will develop scientific assessments of coastal waters to assist towns in developing plans to manage water-quality protection and restoration. The county pledged \$200,000 in the next two years to this comprehensive assessment of coastal water quality. The study is being conducted cooperatively by the Massachusetts Department of Environment Protection, the School for Marine Science and Technology at the University of Massachusetts at Dartmouth, the county's Department of Health and Environment, and the Commission. The project will also help Cape communities to determine the best ways to handle local wastewater disposal needs and take effective action to address problems.

Water Supply

The Commission continues to work on vital water resource programs, including the launch of the Upper Cape water supply system at the Massachusetts Military Reservation (MMR) and the transfer of stewardship of the northern portion of the reservation to the state's environmental agencies. The Commission helped shape environmental performance standards for the MMR, which were embraced by the National Guard and state environmental agencies as the basis for protecting this vital resource. The Commission continues to participate in the Impact Area Review Team and the pollution clean-up activities at the MMR.

The Commission continues to coordinate a US Geological Survey (USGS) groundwater modeling project with the four Outer Cape towns, the Massachusetts Department of Environmental Management, and the Cape Cod National Seashore. The Commission organized regional stakeholders meetings, provided field support, conducted more than 50 site visits, and prepared a regional well drilling "request for responses" for mapping the regional water table. Approximately 45 wells were installed, including several deep exploratory wells on town-identified potential water supply sites.

The Commission continues to manage the USGS observation well network, a particularly important activity during drought conditions, such as those experienced this past year, which produced record-low water-table readings in some months.



A “Water Education for Teachers” festival

Water Education

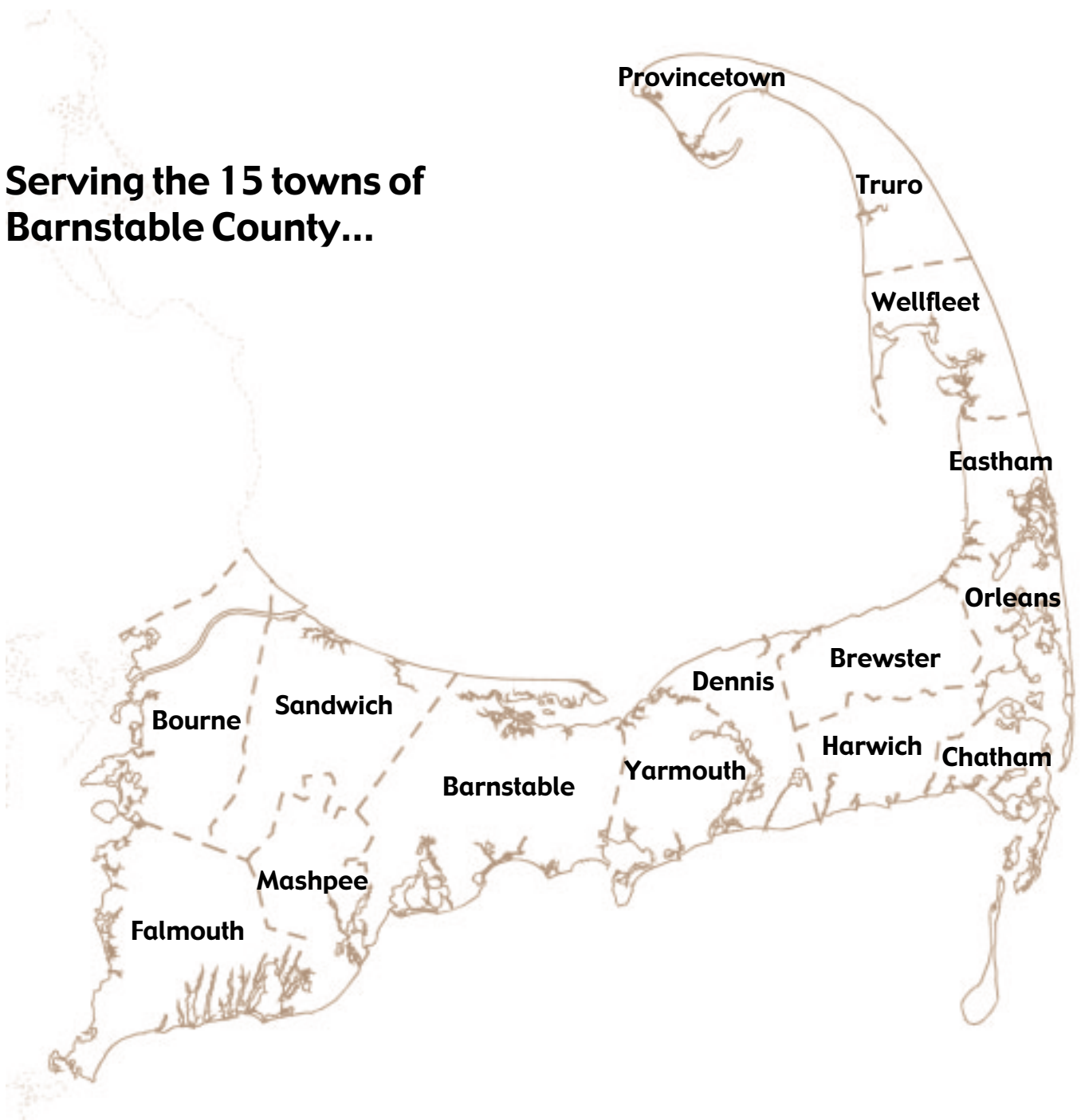
The Cape Cod Commission worked with the Cape Cod Groundwater Guardian Team to coordinate a water education festival for fifth-grade students and teachers at the Horace Mann School in Barnstable in September 2001. More than 50 professionals presented activities during the all-day event. The county-supported Groundwater Guardian Team also coordinated water-education festivals for Truro, Chatham, and Harwich schools in spring 2002.

The Commission and the Groundwater Guardian Team, with help from Barnstable

County's AmeriCorps-Cape Cod program, also continue to educate the public about Cape Cod water supply issues, distributing water-conservation materials to hotels, motels, and restaurants throughout the year. The program received recognition and support from the Cape Cod Chamber of Commerce and the *Cape Cod Times*.

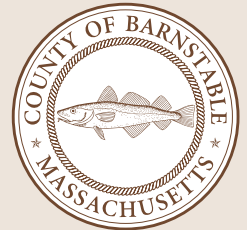
By year end, the Commission had nearly completed the development of the Cape Cod Groundwater Guardian Team's own Web site (www.capecodgroundwater.org), which is now fully operational.

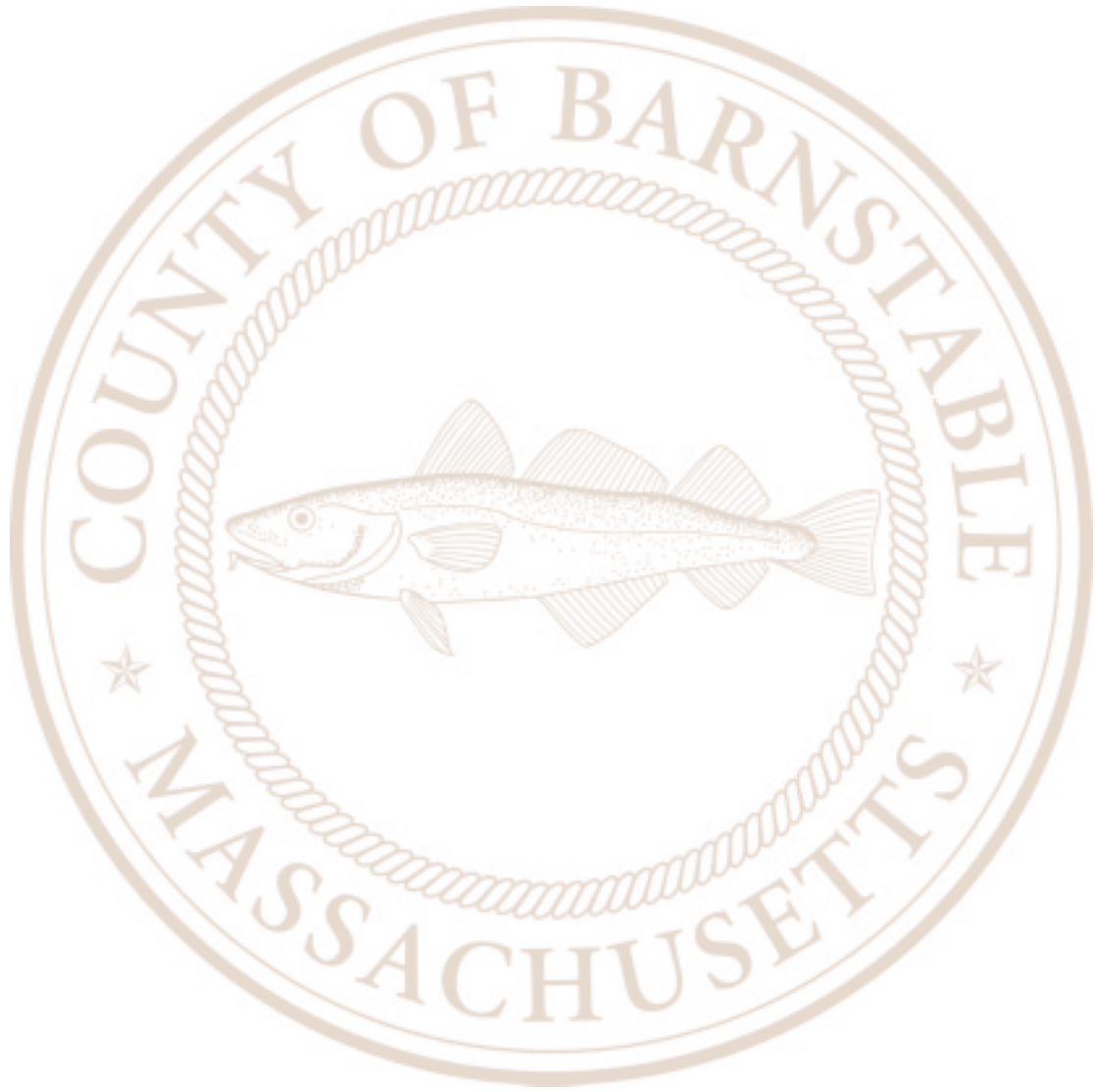
Serving the 15 towns of Barnstable County...



Cape Cod Commission Services to Towns • FY02

In Fiscal Year 2002, the Cape Cod Commission provided a wide variety of technical assistance and services to each of the 15 towns in the Barnstable County region. Commission services cover the issue areas highlighted previously in this report, but with a local emphasis, tailored to the specific needs of each community. The following section highlights of this assistance.







BARNSTABLE

Affordable Housing

- Committed \$50,000 in HOME funds to the CHIP's House Two project (10 single-room efficiency units for persons with head injuries).
- Continued to service commitments to the Aunt Sarah's project (12 affordable rental units), Danvers Way project (16 affordable single-family homes), and Gallagher's Lane project (7 affordable single-family homes).
- Awarded a \$3,000 Technical Assistance Program grant to the Housing Land Trust for Cape Cod for a topographical survey of Trust property in Marstons Mills.
- Committed \$15,000 in HOME funds to the Barnstable Housing Authority's acquisition of a single-family home on Ashley Drive for affordable rental housing.
- Committed HOME funds for eight Down Payment/Closing Cost Assistance Program loans and two Homeowner Repair Program loans, and provided three Soft Second Program loans for first-time home buyers.

Geographic Information System

- Provided locus maps and land use analyses for the proposed recreation fields in Marstons Mills.
- Created a custom map of significant natural resource areas in Independence Park.

Marine and Coastal Resources

- Assisted with coordination of the Bridge Creek salt marsh restoration project.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Centerville River dredging project, the Dowses Beach handicapped-accessible recreation deck project, a septic-system upgrade to a project on Ocean Drive, and the Bridge Creek restoration project.

Natural Resources and Land Protection

- Supported Barnstable County's Pathways Grants Program, awarding \$5,000 to Barnstable to plan an east-west trail through town.

Planning, Community Development, and Regulatory Activities

- Supported the establishment of the Barnstable District of Critical Planning Concern and approved the town's implementing regulations for it.
- Provided guidance on implementation of the Local Comprehensive Plan and assisted with zoning changes for mixed-use and village-style developments.

- Supported Barnstable County's Local Comprehensive Plan Implementation Grants Program, awarding \$25,000 to Barnstable to prepare a design plan and parking study and design guidelines.
- Met with town officials on the development of a Capewide 20-year Regional Infrastructure and Facilities Plan, with Barnstable as one of three pilot towns.
- Worked with town officials on the Main Street/Hyannis revitalization efforts.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the proposed Cape Wind Park project.
- Approved with conditions the Development of Regional Impact (DRI) applications for the Nymphas Hinckley House, the Captain Leander Hinckley House, and the Industrial Communications and Electronics/Sprint PCS wireless facility projects.
- Reviewed or continue to review other DRI proposals, including the Atlantis Development (Stop & Shop) supermarket, Barnstable Wastewater Facilities Plan, BJ's Wholesale Club, Cape Club Golf Course, Cape Cod Healthcare Ambulatory Complex, Celco Partnership/Bell Atlantic Mobile wireless facility, and Home Depot Lite projects.
- Reviewed the now-withdrawn Captain Eli Phinney House/Barn, Cillis/Tri horse riding arena and stables, and Transcape DRI proposals.

Transportation

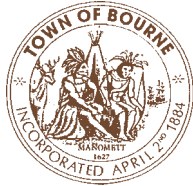
- Completed a study of the transportation impacts of proposed recreational ball fields in Marstons Mills.
- Provided technical advice on the Hyannis one-way/two-way Main Street circulation study.
- Conducted a study of park-and-ride lots in the Mid and Upper Cape areas.
- Prepared the Transportation Improvement Program (TIP) for Federal Fiscal Years 2002-2007, which included funding for the Hyannis Intermodal Transportation Center.
- Performed traffic counts on selected roadways and intersections (segments of Routes 132, 149, 28, 6A, and 6, Bassett Lane, Bearses Way, Bridge Street, Bumps River Road, High School Road, Hyannis Road, North Street, Ocean Avenue, Old Stage Road, Phinney's Lane, and Service Road).

Waste Management

- Provided technical assistance about Pay As You Throw solid waste management programs.
- Provided technical assistance to the Department of Public Works on the implementation of a mandatory recycling bylaw.
- Provided assistance with the household hazardous waste collection.

Water Resources

- Continued coastal embayment studies of Waquoit Bay and Popponesset Bay.
- Completed nitrogen-loading studies of Barnstable Harbor and Centerville River.
- Continued to participate in the Barnstable Nutrient Management Team.
- Provided technical assistance on wastewater planning issues.
- Continue to review the possible impacts of a proposed expansion of the Barnstable airport runway and terminal.
- Organized a Groundwater Guardians “Water Education for Teachers (WET) Festival” for the 5th grade of the Horace Mann School.



BOURNE

Affordable Housing

- Continued support for the proposed conversion of the former Barnstable County Hospital into an affordable assisted living facility.
- Committed \$10,000 of Development of Regional Impact (DRI) mitigation money to a roadway improvement project leading to two affordable housing lots, and committed an additional \$16,700 in DRI mitigation money to hire a consultant to prepare a development plan for those two lots.
- Committed HOME funds for one Down Payment/Closing Cost Assistance Program loan and provided one Soft Second Program loan for first-time home buyers.

Geographic Information System

- Fulfilled a parcels update and processing request and produced a road map for the town Planning Department.
- Provided analytical information to the town Water Department's consultant to help construct a new water main.
- Created a Cape Cod Pathways map on request.
- Produced a landfill buffer map for the town Department of Public Works.
- Created a new custom map of campsites in the Bourne Scenic Park for the town Recreation Authority.

Marine and Coastal Resources

- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Gray Gables maintenance dredging project and the Wings Neck marsh restoration project.

Natural Resources and Land Protection

- Supported the town's pursuit of a state Self Help grant for an open space purchase.

Planning, Community Development, and Regulatory Activities

- Supported work on the Local Comprehensive Plan.
- Supported efforts to revitalize Buzzards Bay and identify funding for the National Marine Life Center.
- Reviewed the Final Environmental Impact Report on the proposed use of the Massachusetts Military Reservation by the Massachusetts Army National Guard, continued support for the Community Working Group, and participated on the new MMR Citizens Advisory Council.
- Approved the Development of Regional Impact (DRI) Exemption applications of the Herring River Lots project and the One Trowbridge Road (Cape Cod Healthcare) project and denied the DRI application of Cumberland Farms on procedural grounds.
- Reviewed or continue to review other DRI proposals, including the Adventure Isle expansion, Assisted Living Facility, CanalSide Commons, and Groundwater Analytical projects.
- Reviewed the now-withdrawn Black Pond Heights subdivision and Waterpipe Trust ANR DRI proposals.

Transportation

- Continued the Canal Area Transportation Study, a supplement to other Massachusetts Highway Department studies analyzing the road network in the Cape Cod Canal area.
- Conducted a study of park-and-ride lots in the Mid and Upper Cape areas.
- Performed traffic counts on selected roadways and intersections (segments of Routes 25, 28, and 6, the Scenic Highway, Clay Pond Road, Old Plymouth Road, Sandwich Road, and Shore Road).

Waste Management

- Assisted in hiring a new Southeastern Massachusetts Recycling Incentive Program coordinator for the region.

Water Resources

- Continued to participate in monitoring, planning, and management issues related to water supply in the Massachusetts Military Reservation area, and prepared a final report of staff activities related to MMR water supply.
- Completed a nitrogen-loading study of Red Brook and Megansett harbors.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Brookside Golf Club Irrigation Well #1 and #2 project and on the Draft and Final Environmental Impact Reports on the Upper Cape Water Supply project.



BREWSTER

Affordable Housing

- Committed \$50,000 in HOME funds to the Wells Court project (24 affordable one-bedroom units).
- Committed HOME funds for one Down Payment/Closing Cost Assistance Program loan and provided one Soft Second Program loan for a first-time home buyer.

Geographic Information System

- Supported a buildout study of Pleasant Bay watersheds.
- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).
- Provided GIS set-up assistance to the town assessor.
- Created a map of the historic district and provided town-requested maps of protected open space, archaeological sensitivity, and capital facilities.

Natural Resources and Land Protection

- Supported the town's pursuit of a state Self Help grant for an open space purchase.
- Supported Barnstable County's Pathways Grants Program, awarding \$5,000 to Brewster to implement its trail plan.

Planning, Community Development, and Regulatory Activities

- Approved the Development of Regional Impact (DRI) application of the Town of Brewster for a new irrigation well at the Captain's Golf Course.
- Continue to review the Pleasant Bay Assisted Living Facility DRI proposal.

Transportation

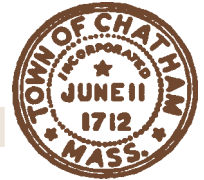
- Performed traffic counts on selected roadways and intersections (segments of Routes 124, 137, and 6A, Setucket Road, Stoney Brook Road, and Underpass Road).

Waste Management

- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Provided assistance with the household hazardous waste collection.

Water Resources

- Continued to participate in the Long Pond Management Plan effort and assisted with preparation of a pilot project grant for alum treatment of Long Pond. Also submitted a \$175,000 grant application to the Massachusetts Department of Environmental Protection for the Long Pond Implementation Project.
- Provided technical assistance to the town's pond monitoring group.



CHATHAM

Geographic Information System

- Supported a buildout study of Pleasant Bay watersheds.
- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).
- Produced a shoreline area names map for the Harbor Management Plan.

Marine and Coastal Resources

- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Ryder's Cove town landing maintenance dredging project, a residential revetment project, and a residential bulkhead project.
- Assisted with an analysis of personal watercraft regulations for Pleasant Bay.
- Discussed Arey's Pond moorings and pending permit application with the US Army Corps of Engineers.

Planning, Community Development, and Regulatory Activities

- Provided technical assistance on the architectural history of the Old Atwood House.
- Supported work on the Local Comprehensive Plan.
- Approved with conditions the Development of Regional Impact (DRI) application for the Valleau Historic Dwelling project.
- Continue to review the Chatham Wastewater Plan DRI proposal.

Transportation

- Performed traffic counts on selected roadways and intersections (segments of Routes 137 and 28, Main Street, Old Comers Road, Old Queen Anne Road, and Queen Anne Road).

Waste Management

- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Provided assistance with the household hazardous waste collection.

Water Resources

- Continued to provide assistance on wastewater planning issues.
- Provided technical assistance through the Massachusetts Estuaries Project.
- Organized a Groundwater Guardians water education festival for Chatham 4th grade students.



DENNIS

Affordable Housing

- Committed HOME funds for one Down Payment/Closing Cost Assistance Program loan and provided two Soft Second Program loans for first-time home buyers.
- Commented on one Chapter 40B comprehensive permit referral.

Geographic Information System

- Prepared an update of parcel data for the town's GIS.
- Fulfilled special mapping requests to support the District of Critical Planning Concern (DCPC) proposal.
- Customized a map of significant natural resource areas.

Marine and Coastal Resources

- Provided technical comments to the Massachusetts Environmental Policy Act Office on the maintenance dredging of Sesuit Harbor.

Natural Resources and Land Protection

- Supported the town's pursuit of a state Self Help grant for an open space purchase.

Planning, Community Development, and Regulatory Activities

- Supported work on the Local Comprehensive Plan and completed a preliminary consistency review of it.
- Supported the establishment of the Quivet Neck/Crowe's Pasture District of Critical Planning Concern, which the town nominated in August 2001 and the Barnstable County Assembly of Delegates approved in March 2002.

- Continue to review Development of Regional Impact (DRI) proposals, including Dennis Filled Tidelands (the Howland reconstruction project) and two proposed subdivisions in the Quivet Neck area.
- Reviewed the now-withdrawn Sprint Spectrum DRI project.

Transportation

- Prepared the Transportation Improvement Program (TIP) for Federal Fiscal Years 2002-2007, which included funding for the Route 6 interchange at Route 134 in Dennis.
- Performed traffic counts on selected roadways and intersections (segments of Routes 134, 28, 6, and 6A, Main Street, Old Bass River Road, Old Chatham Road, Old Main Street, School Street, and Setucket Road).

Waste Management

- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Made a presentation about an alternative mattress recycling program to the Department of Public Works.
- Made a presentation about Pay As You Throw solid waste management programs to selectmen and the director of the Department of Public Works.
- Provided assistance with the household hazardous waste collection.

Water Resources

- Assisted the Water Quality Committee with development of a pond water-quality sampling strategy.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Test Well Site #6 and Well Site #8-00.



EASTHAM

Affordable Housing

- Awarded a \$3,000 Technical Assistance Program grant to the town for planning work on two sites for affordable housing projects.

Geographic Information System

- Updated GIS parcels data.
- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).
- Fulfilled a Local Planning Committee request for a town zoning map and a land use map.

- Produced a marine water recharge area map.
- Produced a locational map for the Chamber of Commerce.

Natural Resources and Land Protection

- Supported the town's pursuit of a state Self Help grant for an open space purchase.

Planning, Community Development, and Regulatory Activities

- Supported work on the Local Comprehensive Plan update.
- Approved the Development of Regional Impact (DRI) Exemption application of the Storage Cape Cod project.
- Reviewed the now-withdrawn Walters Subdivision DRI project.

Transportation

- At the request of the Massachusetts Highway Department, initiated a traffic and safety study of Route 6 from Eastham to Provincetown.
- Provided technical assistance about the Walters subdivision plan.
- Performed traffic counts on selected roadways and intersections (Route 6 at the Eastham/Wellfleet town line, Route 6 north of Kingsbury Beach Road, Route 6 south of Nauset Road, Route 6 north of Oak Road, and Route 6 at the Orleans/Eastham rotary).

Waste Management

- Supported the development of a Request for Proposals and subsequent vendor contract for a feasibility study of an Outer Cape co-composting facility.
- Provided technical assistance about Pay As You Throw solid waste management programs.
- Worked frequently with the town Recycling Committee on a number of local initiatives.
- Provided assistance with the household hazardous waste collection.

Water Resources

- Continued work on the Outer Cape USGS Groundwater Modeling Project.
- Installed observation wells and water quality exploratory wells.
- Completed a nitrogen-loading study of Nauset Marsh.
- Provided technical assistance to the town's pond monitoring group.



FALMOUTH

Affordable Housing

- Closed on a \$125,000 Barnstable County Rental Housing Program commitment to the Falmouth Housing Corporation's Gifford Street development (28 affordable rental units).
- Committed HOME funds for seven Down Payment/Closing Cost Assistance Program loans and provided six Soft Second Program loans for first-time home buyers.
- Commented on five Chapter 40B comprehensive permit referrals.

Marine and Coastal Resources

- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Green Pond dredging project, the wastewater treatment facility, and the Wild Harbor project.

Natural Resources and Land Protection

- Supported the town's pursuit of a state Self Help grant for an open space purchase.

Planning, Community Development, and Regulatory Activities

- Reviewed the Final Environmental Impact Report on the proposed use of the Massachusetts Military Reservation by the Massachusetts Army National Guard, continued support for the Community Working Group, and participated on the new MMR Citizens Advisory Council.
- Approved with conditions the Development of Regional Impact (DRI) applications of the Ballymeade/Wyldewood project and the Ballymeade Estates golf course project, and approved the DRI Exemption application of the Woods Hole Oceanographic Institution's road and parking lot reconstruction project. Also approved with conditions the Hardship Exemption application for the Dobyms and Dayos commercial development (Silver Square expansion project).
- Reviewed or continue to review other DRI proposals, including the Falmouth Academy addition, Falmouth Hospital Wellness Center, and the Seacoast Tower projects.

Transportation

- Completed a study and issued a report on traffic impacts related to the Steamship Authority's ferry operations in Woods Hole.
- Under the guidance of the Cape Cod Transit Task Force, organized the pilot season (summer 2001) and

prepared for the second season (summer 2002) of the "Vineyard Express" (formerly called "Relax and Ride") direct bus service from the Boston area to Woods Hole/Martha's Vineyard.

- Performed traffic counts on selected roadways and intersections (segments of Route 28, Barrows Road, Brick Kiln Road, Gifford Street, Maravista Avenue, Old Barnstable Road, Shoreview Drive, Thomas Landers Road, and Worcester Avenue).

Waste Management

- Provided technical comments on solid waste management issues raised by the Local Comprehensive Planning Committee; specifically, drafted a needs assessment for hiring a town solid waste/recycling official.

Water Resources

- Continued to provide assistance on wastewater planning issues.
- Continued a coastal embayment study of Waquoit Bay and Popponesset Bay.
- Participated in the Ashumet Pond alum treatment and in the Ashumet Pond offsets workshop.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the New Silver Beach wastewater treatment project.
- Continued to participate in monitoring, planning, and management issues related to water supply in the Massachusetts Military Reservation area, and prepared a final report of staff activities related to MMR water supply.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Draft and Final Environmental Impact Reports on the Upper Cape Water Supply project.
- Presented an educational session on groundwater at the Waquoit Bay National Estuarine Research Reserve.

- Prepared special zoning overlay maps for the Six Ponds District of Critical Planning Concern.
- Created six custom maps and provided GIS data for the town Water Department's grant proposal.

Natural Resources and Land Protection

- Supplied graphic materials for use in the Cape Cod Pathways trail guide for the Coy's Brook Woodlands and A. Janet DeFulvio Wildlife Sanctuary Boardwalk.
- Supported the town's pursuit of a state Self Help grant for an open space purchase.
- Supported Barnstable County's Pathways Grants Program, awarding \$5,000 to Harwich to establish a north-south walking trail connecting the Punkhorn Parkland in Brewster with the Bell's Neck Conservation Area.

Planning, Community Development, and Regulatory Activities

- Approved the town's implementing regulations for the Six Ponds District of Critical Planning Concern.
- Provided input to zoning revisions for mixed-use and village-style developments.
- Reviewed or continue to review Development of Regional Impact (DRI) proposals, including the Cape Cod Healthcare/Long Pond Medical Facility, the Mary C. Evans Realty Trust subdivision, the Tedeschi Realty/Shaw's supermarket, and WJG Realty/TJ Maxx projects.

Transportation

- Prepared the Transportation Improvement Program (TIP) for Federal Fiscal Years 2002-2007, which included funding for the Cape Cod Rail Trail bridge over Route 6 in Harwich.
- Performed traffic counts on selected roadways and intersections (segments of Routes 124, 28, and 6, Great Western Road, and Queen Anne Road).

Waste Management

- Made a presentation on Pay As You Throw solid waste management programs and provided assistance with several household hazardous waste collections.

Water Resources

- Continued to participate in the Long Pond Management Plan effort, including submitting a \$175,000 grant application to the Massachusetts Department of Environmental Protection for the Long Pond Implementation Project.
- Provided technical assistance to the town's pond monitoring group and continued to provide assistance on wastewater planning issues.
- Organized a Groundwater Guardians water education festival for Harwich 4th and 5th grade students.



HARWICH

Affordable Housing

- Continued to service the Pine Oaks Village III project (65 affordable senior rental units).
- Committed HOME funds for one Homeowner Repair Program loan.

Geographic Information System

- Supported a buildout study of Pleasant Bay watersheds.
- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).



MASHPEE

Affordable Housing

- Committed HOME funds for one Down Payment/Closing Cost Assistance Program loan for a first-time home buyer and one Homeowner Repair Program loan.
- Provided one Soft Second Program loan for a first-time home buyer.

Geographic Information System

- Performed a GIS analysis of zones of contribution to a public supply well in the New Seabury area.
- Provided extensive assistance with nitrogen-loading calculations in the Waquoit Bay recharge area and other sub-watersheds in Mashpee.

Marine and Coastal Resources

- Discussed dredging and related elements of the proposed update to the Regional Policy Plan with members of the Dredge Advisory Committee.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Popponeset Bay dredging project.

Natural Resources and Land Protection

- Provided technical support on a possible District of Critical Planning Concern (DCPC).
- Supported the town's pursuit of a state Self Help grant for an open space purchase.

Planning, Community Development, and Regulatory Activities

- Reviewed the Final Environmental Impact Report on the proposed use of the Massachusetts Military Reservation by the Massachusetts Army National Guard, continued support for the Community Working Group, and participated on the new MMR Citizens Advisory Council.
- Met with town staff on economic development issues.
- Approved with conditions the Development of Regional Impact (DRI) applications of the Anchor Self Storage, Flagship Storage, and Willowbend Golf Course projects. Also denied the New Seabury Expansion project on procedural grounds.
- Reviewed or continue to review other DRI proposals, including the Holland Mills well and pumping station, Industrial Communications and Electronics telecommunications facility, Mashpee Commons, Mashpee Place, Mashpee Watershed Plan, Seacoast Inc. telecommunications facility, and the Shaw's supermarket projects.

Transportation

- Provided technical comments on the "25% design plans" for a signal at the intersection of Route 28, Donna's Lane, and Jobs Fishing Road.
- Performed traffic counts on selected roadways and intersections (segments of segments of Routes 130 and 151, Cotuit Road, Lowell Road, Old Barnstable Road, and Pimlico Pond Road).

Waste Management

- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Made a presentation about an alternative mattress recycling program to the Department of Public Works.
- Made a presentation about co-composting as an alternative to disposal of wastes at SEMASS as a viable future option for the town to consider.

Water Resources

- Continued to provide assistance on wastewater planning issues.
- Continued a coastal embayment study of Waquoit Bay and Popponeset Bay.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Mashpee Watershed Nitrogen Management Planning Study and on the Draft and Final Environmental Impact Reports on the Upper Cape Water Supply project.
- Continued to participate in monitoring, planning, and management issues related to water supply in the Massachusetts Military Reservation area, and prepared a final report of staff activities related to MMR water supply.



ORLEANS

Affordable Housing

- Awarded a \$3,000 Technical Assistance Program grant to the Orleans Housing Authority for a feasibility study of affordable housing on school-owned property.
- Continued to service a mixed-use facility to house a Head Start child-care center and 12 affordable rental units.
- Continued to service the Old Tote Road project (12 homeownership units).

Geographic Information System

- Supported a buildout study of Pleasant Bay watersheds.

- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).
- Assisted the town with a well study and coordinate mapping of water-table monitoring wells.

Marine and Coastal Resources

- Assisted with an analysis of personal watercraft regulations for Pleasant Bay.

Planning, Community Development, and Regulatory Activities

- Certified the Orleans Local Comprehensive Plan as consistent with the Regional Policy Plan.
- Approved the Development of Regional Impact (DRI) Exemption application of the Orleans Mini Storage project.
- Continue to review the proposed Orleans Toyota and Shaw's supermarket DRI projects.

Transportation

- Prepared the Transportation Improvement Program (TIP) for Federal Fiscal Years 2002-2007, which included funding for the Cape Cod Rail Trail bridge over Route 6 in Orleans.
- Performed traffic counts on selected roadways and intersections (segments of Routes 28, 6, and 6A, Beach Road, Eldredge Park Way, Main Street, and Tonset Road).

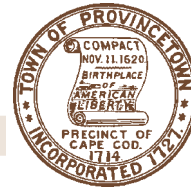
Waste Management

- Supported the development of a Request for Proposals and subsequent vendor contract for a feasibility study of an Outer Cape co-composting facility.
- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Made a presentation about an alternative mattress recycling program.
- Provided assistance with the household hazardous waste collection.
- Provided technical assistance to the town's Water Department on the disposal of hazardous wastes.

Water Resources

- Continued to provide assistance on wastewater planning issues.
- Prepared a water quality evaluation report of Bakers Pond.
- Assisted with a water quality evaluation of Crystal Lake.
- Provided technical assistance to the town's pond monitoring group.
- Completed a nitrogen-loading study of Nauset Marsh.
- Delineated a Zone II (wellhead protection area) for the new public water supply well.

- Provided technical comments to the Massachusetts Environmental Policy Act Office on a proposed Orleans water treatment facility.



PROVINCETOWN

Affordable Housing

- Committed an additional \$100,000 in HOME funds for the 32 Conwell Street project (18 affordable rental units).
- Committed HOME funds for four Down Payment/Closing Cost Assistance Program loans and provided nine Soft Second Program loans for first-time home buyers.

Geographic Information System

- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).
- Prepared a map of existing building footprints for the town assessor and for use in the town's wastewater management plan.
- Updated the town zoning map and open space data/map.

Marine and Coastal Resources

- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Lands End Marine project and the proposed renovation project by the Aquarium Wharf Realty Trust.

Planning, Community Development, and Regulatory Activities

- Supported revisions to town zoning bylaws and maps.
- Supported the town's Local Comprehensive Plan Implementation Committee.
- Supported Barnstable County's Local Comprehensive Plan Implementation Grants Program, awarding \$25,000 to Provincetown to address the timing of the construction of affordable housing units in multi-unit developments, to develop bylaws for accessory structures to be used for affordable housing, and to create a locally regulated historic district.
- Approved the Development of Regional Impact (DRI) application for the Hitchcock Cottage project.
- Reviewed the now-withdrawn Cape Cod School of Art and 651A Commercial Street DRI proposals.

Transportation

- At the request of the Massachusetts Highway Department, initiated a traffic and safety study of Route 6 from Eastham to Provincetown.

- Performed traffic counts on selected roadways and intersections (segments of Conwell Street and Race Point Road).

Waste Management

- Performed a feasibility study comparing commercial contract costs to town services for hauling solid waste and recycling.
- Supported the development of a Request for Proposals and subsequent vendor contract for a feasibility study of an Outer Cape co-composting facility.
- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Made a presentation about an alternative mattress recycling program.
- Made a presentation about Pay As You Throw solid waste management programs.
- Provided assistance with the joint household hazardous waste collection.

Water Resources

- Continued work on the Outer Cape USGS Groundwater Modeling Project.
- Installed observation wells and water quality exploratory wells.
- Continued to provide assistance on wastewater planning issues.

SANDWICH



Affordable Housing

- Awarded a \$3,000 Technical Assistance Program grant to the town for planning work on an affordable housing project.
- Continued to work on the Osprey Lane project (36 affordable rental units), which was awarded \$50,000 of HOME funds and \$50,000 of Barnstable County funds.
- Committed HOME funds for one Down Payment/Closing Cost Assistance Program loan for a first-time home buyer.
- Commented on one Chapter 40B comprehensive permit referral.

Geographic Information System

- Updated the town zoning map and a map of town-owned land.
- Updated the Commission's GIS parcels information for Sandwich.

- Prepared patrol-sector maps for the town police department.
- Provided mapping support for the flood hazard mitigation plan and the town's historic inventory project.
- Customized a map of significant natural resource areas.

Marine and Coastal Resources

- Provided technical assistance for the town's flood hazard mitigation plan and pursuit of a planning grant.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Mirant dredging and beach renourishment project and discussed the US Army Corps of Engineers permit for dredging and disposal of canal materials with local officials.

Natural Resources and Land Protection

- Supported Barnstable County's Pathways Grants Program, awarding \$5,000 to Sandwich to plan an east-west trail through town.

Planning, Community Development, and Regulatory Activities

- Provided assistance with historic preservation issues, including the leasing of the Roberti Farm property and the development of a town-wide historic preservation plan.
- Reviewed the Final Environmental Impact Report on the proposed use of the Massachusetts Military Reservation by the Massachusetts Army National Guard, continued support for the Community Working Group, and participated on the new MMR Citizens Advisory Council.
- Met with town officials on the development of a Capewide 20-year Regional Infrastructure and Facilities Plan, with Sandwich as one of three pilot towns.
- Reviewed or continue to review Development of Regional Impact (DRI) proposals, including the Sandwich beach nourishment and dredging, Shaw's supermarket, South Shore YMCA ANR, Watts Family Farms Wireless Facility DRI projects.
- Reviewed the now-withdrawn Canal Station electric plant redevelopment.

Transportation

- Continued the Canal Area Transportation Study, a supplement to other Massachusetts Highway Department studies analyzing the road network in the Cape Cod Canal area.
- Conducted a study of park-and-ride lots in the Mid and Upper Cape areas.
- Performed traffic counts on selected roadways and intersections (segments of Routes 130 and 6, Boardley Road, Cotuit Road, Jan Sebastian Drive, Sandwich Land-fill Drive, Snake Pond Road, and South Sandwich Road).

Waste Management

- Provided technical assistance about Pay As You Throw solid waste management programs.

Water Resources

- Continued to participate in monitoring, planning, and management issues related to water supply in the Massachusetts Military Reservation area, and prepared a final report of staff activities related to MMR water supply.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Draft and Final Environmental Impact Reports on the Upper Cape Water Supply project.
- Provided technical assistance to the town's pond monitoring group.



TRURO

Geographic Information System

- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).
- Provided the town's Board of Health with a map of public supply well zones of contribution, assessors' parcels, and property owner names.

Marine and Coastal Resources

- Provided technical comments to the Massachusetts Environmental Policy Act Office on an accessory building at 574 Shore Road, the Pamet Harbor dredging project, and a sand bypass dredging project.

Planning, Community Development, and Regulatory Activities

- Supported the Local Comprehensive Plan revision process and assisted with a rewrite of zoning bylaws, subdivision regulations, and the sign code.
- Approved with conditions the Development of Regional Impact (DRI) application of the Cingular Wireless Communications Facility project. Also approved the DRI Exemption application of the Costa Storage Facility project.
- Continue to review the Stop & Shop supermarket project.
- Reviewed the now-withdrawn Pamet Mall/Jams project.

Transportation

- At the request of the Massachusetts Highway Department, initiated a traffic and safety study of Route 6 from Eastham to Provincetown.

- Performed traffic counts on selected roadways and intersections (segments of Route 6A, Castle Road, and Head of the Meadow Road).

Waste Management

- Supported the development of a Request for Proposals and subsequent vendor contract for a feasibility study of an Outer Cape co-composting facility.
- Provided technical assistance about Pay As You Throw solid waste management programs.
- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Provided assistance with the joint household hazardous waste collection.

Water Resources

- Continued work on the Outer Cape USGS Groundwater Modeling Project.
- Installed observation wells and water quality exploratory wells.
- Organized a Groundwater Guardians water education festival for Truro's 4th, 5th, and 6th grade students.



WELLFLEET

Affordable Housing

- Committed an additional \$50,000 in HOME funds to support the Wellfleet Apartments project (Old King's Highway; 12 affordable rental units).

Geographic Information System

- Created a map of existing restricted areas for operation of personal watercraft (also known as jet skis).
- Updated open space data and created a custom map for the town's inventory of open space and town-owned land.
- Assisted the town's efforts to obtain a National Oceanic and Atmospheric Administration (NOAA) grant for the Harbor Management Plan.

Marine and Coastal Resources

- Provided technical comments to the Massachusetts Environmental Policy Act Office on the Deyesso residence revetment repair project, the Wellfleet Harbor dredging project, and the Wellfleet Harbor public-access boat-ramp improvements project.
- Discussed the Wellfleet Harbor Management Plan with a local group.

Natural Resources and Land Protection

- Supported the town's pursuit of a state Self Help grant for an open space purchase.

Planning, Community Development, and Regulatory Activities

- Extended the certification of the Local Comprehensive Plan (LCP) to allow a growth and development survey and visioning exercises.
- Met with town officials on the development of a Capewide 20-year Regional Infrastructure and Facilities Plan, with Wellfleet as one of three pilot towns.
- Supported Barnstable County's Local Comprehensive Plan Implementation Grants Program, awarding \$13,800 to Wellfleet to review and update subdivision rules and regulations for compliance with the LCP and Regional Policy Plan and to help implement an affordable accessory-dwelling bylaw.
- Continue to review the Wellfleet Wastewater Treatment Facility Development of Regional Impact (DRI) proposal.

Transportation

- At the request of the Massachusetts Highway Department, initiated a traffic and safety study of Route 6 from Eastham to Provincetown.
- Performed traffic counts on selected roadways and intersections (segments of Cahoon Hollow Road and Lieutenant Island Road).

Waste Management

- Supported the development of a Request for Proposals and subsequent vendor contract for a feasibility study of an Outer Cape co-composting facility.
- Provided technical assistance about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Made a presentation about an alternative mattress recycling program.
- Provided assistance with the joint household hazardous waste collection.

Water Resources

- Continued work on the Outer Cape USGS Groundwater Modeling Project.
- Installed observation wells and water quality exploratory wells.



YARMOUTH

Affordable Housing

- Committed HOME funds for three Down Payment/Closing Cost Assistance Program loans for first-time home buyers, and provided three Soft Second Program loans for first-time home buyers.

Geographic Information System

- Updated the Commission's Yarmouth parcels data.

Natural Resources and Land Protection

- Supported the town's pursuit of a grant for park development from the state's Urban Self Help program.
- Supported Barnstable County's Pathways Grants Program, awarding \$5,000 to Yarmouth for trail management and public education.

Planning, Community Development, and Regulatory Activities

- Continued to provide support for development of the town's Local Comprehensive Plan.
- Supported Barnstable County's Local Comprehensive Plan Implementation Grants Program, awarding \$11,200 to Yarmouth to develop a "raze and replace" bylaw and to prepare a village-center development bylaw.
- Provided technical comments to the Massachusetts Environmental Policy Act Office on the proposed Cape Wind Park project.
- Approved with conditions the Development of Regional Impact (DRI) application of the International Fund for Animal Welfare headquarters project.

Transportation

- Performed traffic counts on selected roadways and intersections (segments of Route 6A, Abells Road, Great Western Road, Old Church Street, Setucket Road, and Strawberry Lane).
- Committed \$53,000 of Development of Regional Impact (DRI) mitigation funds to an intersection improvement and sidewalk design/construction project.

Waste Management

- Provided technical assistance on Pay As You Throw solid waste management programs and about a private initiative for the collection and transportation of recycled materials to an off-Cape paper-processing facility.
- Provided assistance at the household hazardous waste collection.

Cape Cod Commission Financial Statement • FY02

Cape Cod Environmental Protection Fund (CCEPF)

Revenue	
Federal	\$522,732.63
State	\$36,707.58
Local Assessment	\$2,311,901.00
Regulatory Fees	\$178,839.64
Miscellaneous Fees/Other	\$62,613.28
	\$3,112,794.13

Expenses	
Planning/Community Development	\$780,165.89
Regulatory	\$1,314,520.01
Technical Services (GIS, Transportation, and Water Resources)	\$538,590.99
Grant Programs	\$540,180.08
	\$3,173,456.97

Fund Balance	
Previous Fund Balance	\$671,123.23
Revenue Over (Under) Expenses	(\$60,662.84)
Ending FY02 Fund Balance*	\$610,460.39

* Restricted for FY02 Encumbrances	\$245,373.00
* Restricted for FY03 Appropriations	\$5,026.00
* Restricted for Legal Expenses	\$250,000.00
* Restricted for Unfunded Workers Compensation Liability	\$13,000.00
* Unrestricted CCEPF Balance	\$97,061.39
	\$610,460.39

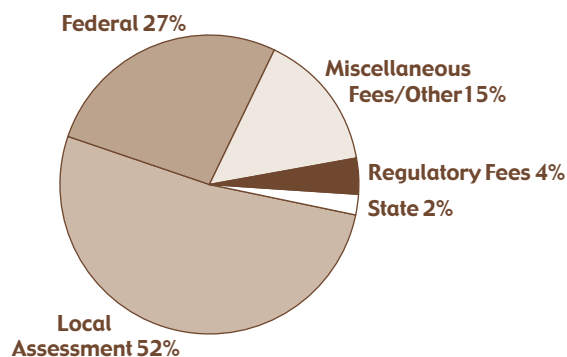
Other Special Funds

Revenue	
Federal	\$710,877.32
State	\$52,941.40
Local	\$65,751.18
Mitigation/Fees/Other	\$550,268.86
	\$1,379,838.76

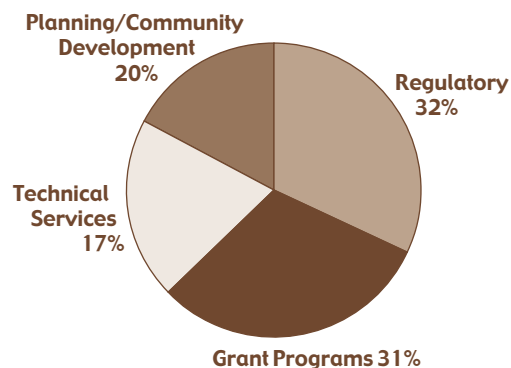
Expenses	
Planning/Community Development	\$10,747.05
Technical Services (Transportation and Water Resources)	\$103,931.00
Grant Programs	\$691,422.34
	\$806,100.39

Fund Balance	
Previous Fund Balance	\$839,512.34
Revenue Over (Under) Expenses	\$573,738.37
Transfers In (Out)	(\$76,953.84)
Ending FY02 Fund Balance	\$1,336,296.87

CCC Revenue



CCC Expenses



Cape Cod Commission Staff • FY02

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John Lipman, Chief Planner/Deputy Director

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