

WELLFLEET
TOWN SERVICES REPORT
Fiscal Year 2011
(July 1, 2010 – June 30, 2011)

CAPE COD COMMISSION

Planning, Community Development, and Technical Services

- The Commission assisted the town in assessing existing bank erosion and the condition of the structures associated with the boat-rental operation on Gull Pond. The Commission provided technical advice concerning possible mitigation for the existing bank erosion and failing structures at the site.
- The Commission continues to serve as technical advisors to the Herring River Restoration Committee, working on restoration of about 1,000 acres of salt marsh in Wellfleet and Truro.
- The Commission 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.
- The Commission worked with the town's architectural review board and Cape Cod Modern House Trust to develop a Wellfleet Modern House Inventory map.
- The Commission provided a technical review and comments on drafts of a new affordable housing zoning bylaw that was adopted at Town Meeting.
- The Commission provided \$3,000 in District Local Technical Assistance funds for a facilitator to work with the towns of Eastham and Wellfleet on potential opportunities for joint public safety operations.
- The Commission provided \$3,000 in District Local Technical Assistance funds for a regional dispatch study for the towns of Wellfleet and Harwich.
- The Commission provided technical assistance for several transportation-related projects on the Outer Cape:
 - an Outer Cape Bicycle Shuttle, to be implemented in FY2012 (operational in August 2011)
 - a Satellite Maintenance Facility Feasibility Study that examined the potential for a maintenance facility for Cape Cod Regional Transit Authority vehicles with possible availability to Outer Cape towns
 - a Cape Cod National Seashore Integrated Parking and Transit Study that looked at alternatives to beach parking for all beaches located on the Lower/Outer Cape. The study included future demand and existing facilities risk analyses, potential central parking options, and shuttle routes to serve the beaches.
- The Commission conducted five automatic traffic-recorder counts on road segments in Wellfleet.
- With data collected by staff members aided by an AmeriCorps Cape Cod member, the Commission identified the location of private wells in Wellfleet to ensure the protection of private water supply wells from herbicide spraying adjacent to NSTAR utility rights-of-way (ROWs).

- The Commission began watershed analysis with maps and geographic data for the Massachusetts Estuaries Project for Wellfleet.
- The Commission conducted water education festivals for students in Wellfleet.

Regulatory Activities

DRI Reviews Ongoing at Year End

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

Cape Cod Cooperative Extension

- The Wellfleet Department Public Works received eleven low maintenance shade trees from the Barnstable County Shade tree nursery. The nursery was established ten years ago at the Barnstable County Farm to provide trees and shrubs at below wholesale prices to the municipalities throughout Barnstable County. The trees were plants in several locations on Main Street and around municipal buildings.
- The Wellfleet Senior Center received a \$3,379.00 Barnstable County Land Management grant to develop a Community Garden at the Wellfleet Senior Center. The funds were used to purchase supplies (lumber, irrigation supplies, fencing, soil and compost) needed to build the gardens. The thirty garden plots are actively used. There is a waiting list for a garden plot.
- On-site and remote technical assistance has been provided on a variety of coastal geology topics including: shoreline change, erosion control alternatives, potential effects of various human activities on coastal landforms, coastal flood plains, coastal hazards, hazard mitigation analyses, and shoreline stabilization techniques. On-site visits typically address site-specific coastal processes/hazards, which are followed with unbiased, written technical alternatives analyses. These site visits are most often requested by Conservation Commission Agents but have also been requested by Beach Committees, Department of Natural Resources, and beach residents. One site visit occurred in the town of Wellfleet.
- The Coastal Processes Specialist published and distributed educational information to the Conservation Commission Agent of the town. These materials consisted of a Biological Erosion Control Extension Bulletin (4 pages) and a Coastal Managers Guide to Longshore Sediment Transport (46 pages).
- One hundred twenty-nine students in grades K-5 at Wellfleet Elementary participated in 9 marine science classes offered through the Coastal Explorer vehicle during May. Teachers were provided with the *Coastal Explorer Curriculum Guide*.
- Children from Wellfleet are enrolled members in the Truro 4-H gardening Club.
- 4-H has been working with the Wellfleet Library to offer programs to youth through the Children's Library. A 4-week program was organized for the summer of 2010, but the only people who showed up were summer visitors. We have not given up on this, and are currently trying to organize a 4-H Babysitting program at the library.

- Wellfleet received 200,000 2-3 mm hard clam (quahog) seed through the Barnstable County Municipal Shellfish Propagation Program. Value of this seed at time of dispersal was \$1,600.00.
- Wellfleet Harbor was chosen for deployment of long term marine water quality instrumentation.
- One site within Wellfleet was chosen for shellfish habitat assessment. This quantitative assessment has future use when considering dock or dredging projects, can optimize shellfish restoration efforts, assist with shellfishery management decision making and help the shellfish farmers maximize their yields.
- The marine program staff deployed a long term YSI water quality monitoring station at the L-pier in Wellfleet, which provides real time information and data via satellite link. Another YSI water monitoring instrument is located adjacent to the Egg Island aquaculture zone location. These instruments are utilized by shellfish farmers, fishermen, boaters, and the public at large.
- Marine staff continued to follow up on assessing the status of disease issues system-wide in Wellfleet, including the funding and collecting of shellfish samples for disease testing at affected or suspected sites. These disease issues affect a large portion of growers and local industry.
- Two shellfish culturists were chosen and funded at \$1,000.00 each to be part of the SEMAC Research Farm Network which focused on a comparison of triploid (seedless) oysters and conventionally grown diploid oysters.
- Technical assistance and educational programs were also provided to town personnel, aquaculturists, and local citizens.
- Household hazardous waste collections conducted in 2010 provided the following data: Wellfleet residents represented 100 cars and 139 households in three Outer Cape HHW collections. A total of 1,902 gallons / 11,040 pounds of hazardous waste was collected at the Wellfleet HHW collection. Year round residents comprised 68% of participants, 38% of participants were participating for the first time in the collection, and 8% of participants brought waste that was left in their home when they bought it.
- The Cape Cod Cooperative Extension mercury collection program collected the following items in the Town of Wellfleet in 2010: 43 fever thermometers, 10 lab thermometers, 27 thermostats, 1 electric switches, 0 float switches, 0.0 pounds of elemental mercury, and 1 blood pressure gauge.
- A total of 45 road and marine flares were collected in the Town of Wellfleet by Cape Cod Cooperative Extension in 2010.
- Sharps containers provided by Cape Cod Cooperative Extension in 2009 sustained the need of the Town of Wellfleet through 2010. During 2010 Cape Cod Cooperative Extension paid for the disposal of two cubic yard boxes of used sharps containers by the Town of Wellfleet. The disposal cost for all full sharps containers returned to the town was paid for by Barnstable County / Cape Cod Cooperative Extension.
- Five healthy cooking demonstrations and displays have reached a total of 49 clients and volunteers at the Grace Chapel Food Pantry. Demonstrations and

- displays provide recipes and healthy cooking methods to low income families as part of the Family Nutrition Program.
- Nutrition educator led the Eating Well round table discussions as part of the Councils on Aging Serving Together (COAST) forum for older adults entitled, “Building Resiliency in Aging”. Approximately 75 older adults participated in this program.
 - Six issues out of the year-long series of *Pumpkin Post & Banana Beat* newsletters have been distributed in collaboration with Wellfleet elementary schools to 20 families with children in kindergarten. The Pumpkin Post series is an educational newsletter including recipes and regular columns on child feeding challenges, seasonal foods, physical activity, and menu ideas. The series of six newsletters focus on themes about breakfast, fitness, fruits and vegetables, healthy lunches, goal setting and holiday eating.
 - One soil test clinic was held in the Town of Wellfleet.
 - A Master Gardener spearheaded the development of the Wellfleet Community Garden.
 - Thirty-six residents received technical information from the Plant Clinic via phone call, office visit, fact sheet, or soil test.
 - Educational materials for distribution included wallet cards and rack cards. These materials contain key information on tick identification, life cycle and prevention tips for tick bites and lowering the risk of tick-borne illnesses such as Lyme. Distribution points included Town Halls including all Department of Health Offices, Chambers of Commerce, Public Libraries and golf courses. Golf courses were offered signs to post to alert people about tick habitat and precautions. Each distribution point was visited between May and June as the highest risk period for Lyme disease approached (June – August). In general, each location received between 50 and 200 each of rack and wallet cards.

Fire & Rescue Training Academy

- Chainsaw Awareness
 - 3 Firefighters
- Confined Space Rescue
 - 2 Firefighters
- Firefighter I/II
 - 2 Firefighters
- Flashover
 - 1 Firefighter
- Thermal Imager
 - 1 Firefighter

8 Students, \$3,400.00 Dollar Value, 38.5 Day Value, 336 Hour Value

Department of Health & Environment

- Secured a grant for the collection and laboratory analyses of marine beach samples. Sampling of marine water was conducted weekly at three sites; Mayo Beach, Burton Baker, and the Gut. Monthly sampling of marine water was

conducted at eight sites; Cahoon Hollow, Duck Harbor, Indian Neck, Maguire's Landing, Newcomb Hollow, Omaha Road, Powers Landing, and White Crest. The Wellfleet Board of Health was notified immediately of bacterial exceedences and retesting was conducted daily until bacteria levels were found to be within acceptable limits.

- Sampling of fresh water was conducted weekly at eight sites; Duck Pond, Dyer Pond, Great Pond, Gull Pond (2 locations), Long Pond, Spectacle Pond, and Higgins Pond. Samples were processed for detection of fresh water indicator bacteria *E. coli*. The Wellfleet Board of Health was notified immediately of bacterial exceedences and retesting was conducted daily until bacteria levels were found to be within acceptable limits.
- Designed and commissioned the production of aluminum signs to meet new regulatory requirements mandated in 2010. Signs were purchased by the town of Wellfleet for posting at all beaches.
- Coordinated County and Cape Cod Medical Reserve Corps nurse and volunteer staff scheduling for regional adult immunization clinic; 17 adult immunizations (shingles, Td, Tdap, MMR, varicella, Hepatitis A, Hepatitis B, pneumonia) given to Wellfleet residents at no charge. Acted as an evaluator for the HSEEP compliant public health preparedness drill conducted at this clinic.
- Staff assistance Wellfleet Fire Dept. on Sheltering
- Cape Cod National Seashore- Marconi Beach with the Safe Sun Project-over 250 participants.
- Responded to 19 residential and commercial referrals for Indoor Air Quality (IAQ), hazardous material issues, or Environmental Health and Safety (EHS) assistance (12 residential/commercial IAQ/housing, seven commercial industrial hazardous
- Ongoing Comprehensive Municipal Golf Course project including Complete EHS, IAQ assessment with training. Also partnership project with National Park Service regarding water testing for runoff compliance. Working with town and Park Service for protocol for dredging slurry and ability to dump spoils in Golf Course to offset rising groundwater – savings to the golf course and Park service - \$5,000.
- IAQ Assessment for DPW and Health Department, assisting in review of private contractor assessment and addressing worker health exposure to exhaust fumes. Providing real time air analysis to calibrate existing air handling system-savings to the town approximately \$21,000.
- Responded to union grieved employee health issue regarding needlestick injuries with municipal trash cleanup. Provided comprehensive Blood born Pathogen training and sponsored an economic analysis of engineering methods to prevent worker exposure-purchase of specialized truck for trash collection-payback period 1½ years.
- Created ClinicACE, an internet-based immunization clinic preregistration system and successfully pre-registered 12 immunizations. Necessary immunization documents were printed by each registrant following completion of the registration process, saving the town valuable time on the day of the clinic.

- Compliance management of 102 innovative/alternative wastewater treatment units.
- Sent/received 31 correspondences involving 20 innovative/alternative wastewater treatment systems.
- Resolved two O&M contract non-compliance issues
- Continued Carmody Innovative/Alternative(I/A) Septic System Database User Fee collection, invoicing I/A operators for 77 systems for which they are responsible for reporting to the database.
- Assisted the WHD with the Rabies ORV bait distribution for one day.
- Conducted over 80 inspections (food service/pools) in support of the Town Health Department during the seasonal influx of tourists.
- Wellfleet Fire Dept., Seasonal flu clinic, seven shots given.
- Two inspections of every tobacco retailer and two tobacco compliance checks of each tobacco retailer were conducted.
- Secured home betterment loans for the correction of two septic systems within the town (\$35,137 in projects).

Department of Human Services

- HRC: There is an active town representative on the HRC Town Representation Council – serving as a liaison between the town and the HRC, supporting the County’s human rights and discrimination policy, and advising the HRC about issues particular to the town.

Resource Development Office/AmeriCorps Cape Cod

- Wellfleet Audubon Heath lands
Members worked to restore coastal heath land habitat by remove woody plants.
- Meadow Restoration at Jencks Property
Members helped to clear a meadow to restore its natural state.
- W.E.T. Festival, Wellfleet Elementary School
Members taught students about the importance of water conservation using hands on activities.
- Family Preparedness Fair
Members educated community members about disaster preparedness
- Oyster Fest Recycling Team
Members helped direct festival attendees to recycle.
- Audubon Experimental Oyster Reef
Members collected data on the experimental oyster reef.
- State of the Wellfleet Harbor Conference
Members helped with set-up and clean-up of the conference.
- Environmental Education Lessons
Members taught students at Wellfleet Elementary school lessons about soil, ng, recycling, and papermaking.
- Hazardous Waste Collection
Members helped to facilitate a hazardous waste collection.
- Historical Society Invasive Removal
Members removed invasive knotweed and bittersweet from the property.