

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

**CAPE COD COMMISSION**

*Planning, Community Development, and Technical Services*

- The Commission continued to provide technical assistance and GIS support for the town's Multi-Hazard Mitigation Plan update.
- The Commission provided technical assistance to the Old Kings Highway Historic District Committee in their review of alterations to significant historic structures.
- The HOME Consortium made a conditional commitment of \$175,000 in HOME funds to the Housing Assistance Corporation for 10 affordable single-person rental units for the first phase of its Community Green development.
- The Commission conducted 10 automatic traffic-recorder counts on road segments in Sandwich.
- The Commission initiated and completed a bicycle planning study with maps of potential interconnections that would establish links and improve bicycle and pedestrian facilities between the existing Cape Cod Canal multi-use path and the historic and business areas of downtown Sandwich.
- The Commission provided mapping support for the Scorton Creek watershed analysis for the Massachusetts Estuaries Project.
- The Commission provided \$25,000 in District Local Technical Assistance funds and completed technical planning assistance for wastewater management in South Sandwich, including GIS maps to help analyze different scenarios in the "Golden Triangle" and neighboring industrial areas.
- The Commission organized forums as part of its "Watershed Tour," to build public awareness and support for watershed-based wastewater planning in these watersheds in Sandwich:
  - the Waquoit Bay East watershed (Sandwich, Falmouth, and Mashpee)
  - the Popponesset Bay watershed (Sandwich, Mashpee, and Barnstable)
  - the Three Bays watershed (Sandwich, Mashpee, and Barnstable)

The watershed initiative emphasizes the regional scope of watershed dynamics and encourages citizens to look past their town's boundaries when considering solutions for wastewater treatment. At the forums, the Commission distributes localized maps and information to better acquaint citizens with their watersheds, and shares data and concepts from the Commission's work to develop a regional wastewater management plan. The ultimate goal of these forums is to work with citizen stakeholders to develop cost-effective and appropriately scaled wastewater solutions to benefit and preserve Cape Cod's environment and economy for the future.

- The Commission conducted the annual Pond and Lake Stewardship (PALS) freshwater ponds sampling snapshot for Lawrence, Spectacle, and Triangle ponds.

- The Commission conducted water education festivals for students in the Forestdale School.

#### *Regulatory Activities*

##### DRI Mitigation Funds in Fiscal Year 2011

- The Commission provided \$25,465 for work related to the preservation of the Roberti Farm.

##### DRI Decisions in Fiscal Year 2011

- Forestdale Village (Resubmittal) – The Commission twice denied on procedural grounds without prejudice a proposed 100,000-sq.ft. commercial development on Route 130, once on 9/30/10 and again on 5/12/11.

##### DRI Minor Modifications

- Riverview School – The Commission approved a minor modification to allow changes to the on-site stormwater management system on 9/10/10.

##### DRI Reviews Ongoing at Year End

- Sagamore Line Reinforcement Project (Western Segment) – the proposed installation of 11,000 feet of 20-inch diameter gas pipeline along Service Road between Route 130 and Quaker Meetinghouse Road.

#### *Other Regulatory Assistance*

- The Commission submitted comment letters to the Massachusetts Environmental Policy Act (MEPA) Office on (1) the Lower SEMA 345Kv Electric Line in Bourne, Sandwich, and Barnstable (10/25/10); and (2) a new Massachusetts Military Reservation Training Program (4/22/11).

#### **Cape Cod Cooperative Extension**

- The Sandwich Conservation Department received a \$10,000 grant to implement the Wildfire Protection and Preparedness plan for the Maple Swamp Conservation area. The grant provided funds for establishing and maintaining fire roads and to mechanically remove under story fuel loads.
- 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).
- Three hundred eighteen students in grades 1-4 at Oak Ridge School participated in 17 marine science classes offered through the Coastal Explorer vehicle during November. Teachers were provided with the *Coastal Explorer Curriculum Guide*.
- Three hundred twenty-one students in grades K-3 at Henry Wing School participated in 15 marine science classes offered through the Coastal Explorer program during April. Teachers were provided with the *Coastal Explorer Curriculum Guide*.
- The 4-H Video Production Club has produced 23 shows at the Sandwich Community Access TV Station. Members are learning to produce their own videos/DVDs and learning to establish their own business developing advertisements in an entrepreneurship program.

- The Oakridge School hosted numerous 4-H events and clubs including a 4-H Community Service Club, a 4-H Robotics Club taught by students from Upper Cape Tech and 8th graders participated in the 4-H Stuff a Stocking Holiday Community Service Learning project.
- Another strong partnership is with the YMCA, Cape Cod. 4-H Youth Development and the YMCA work together to offer a variety of opportunities to the underserved and to those in need. One of these events was a Breakfast With Santa event in December of 2010. At that time, approximately 18 military children attended the breakfast at no cost to them (thanks to an OMK grant) and were gifted with hand made stockings and small gifts. Babies received fleece blankets or stuffed animals.
- Operation Military Kids collaborated with the YMCA for the second consecutive year (in 2010) to bring about 80 children with a family member in the deployment cycle to camp on Cape Cod for a week in July. Participants spend the day doing what all the other campers do, including archery, swimming, Nature, boating, arts and crafts, challenge course, and more, but in the evenings, we focused on the military connection. This included a number of activities designed to help them stay in touch with the deployed family member and to feel the support of their peers. This camp is funded by the Department of Defense, and another funding cycle has been received for the summer of 2011!
- As a result of this important military collaboration, Barnstable County 4-H/OMK provides training and oversight to camp staff working with military children attending this camp. Seventy-five counselors spent a morning learning more about the deployment cycle and how to identify and problem solved issues that might come up at camp. Barnstable County 4-H brings about 6 volunteers and staff into the camp to help with this monumental effort!
- Sandwich received 100 bags of remote-set oysters funded through the Barnstable County Municipal Shellfish Propagation Program. It is estimated that each bag contained a minimum of 1000 juvenile oysters. Value of these bags of remote-set at time of dispersal was \$1,150.
- Technical assistance was provided to town personnel on deployment of oyster remote-set bags and appropriate methods for shellfish culture.
- Household hazardous waste collections conducted for Sandwich in 2010 provided the following data: Sandwich residents represented 398 cars and 597 households in four regional Upper Cape HHW collections. A total of 5,813 gallons / 24,555 pounds of hazardous waste was collected at the Sandwich HHW collection. Year round residents comprised 97% of participants, 53% of participants were participating for the first time in the collection, and 14% 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 Sandwich in 2010: 19 fever thermometers, 7 lab thermometers, 184 thermostats, 6 electric switches, 0 float switches, 2.0 pounds of elemental mercury, and 0 blood pressure gauges.
- A total of 76 road and marine flares were collected in the Town of Sandwich by Cape Cod Cooperative Extension in 2010.

- A total of 192 sharps containers were paid for and provided by Cape Cod Cooperative Extension to the Town of Sandwich in 2010 for distribution to the general public. The disposal cost for all full sharps containers returned to the town was paid for by Barnstable County / Cape Cod Cooperative Extension.
- One food safety certification program has been offered for the food service industry. ServSafe, a food sanitation certification program through the National Restaurant Association fulfills the 1999 Food Code requirements set forth by the Massachusetts Department of Public Health. Twenty food handlers and restaurant managers have successfully passed the national exam of the National Restaurant Association's Educational Foundation as a result.
- "Rainbow on Your Plate" a series of two nutrition lessons has reached 9 Head Start preschool aged children and classroom teachers. Emphasizing consumption of fruits and vegetables, these lessons also provide opportunities for physical activity and tasting new foods. Classroom materials and take-home folders are provided to reinforce the nutrition messages both in the classroom and at home.
- Nutrition educator participated in Biometric Screenings offered by the Cape Cod Municipal Health Group. Nutrition education through a display, one-on-one conversations, educational materials, and food demonstrations was made available in conjunction with health screenings.
- Twelve Summer Food Service staff and employees of YMCA's Camp Lyndon participated in Food Handling is a Risky Business as part of the Family Nutrition Program.
- Body Walk, an interactive educational exhibit, was conducted at Oak Ridge Elementary School. Body Walk features an eleven-station tour of the body, from brain to mouth, stomach, small intestine, heart, lungs, bones, muscles, and skin with a focus on the role of nutrition along the way. A total of 60 students and parents experienced the exhibit as part of the Family Fitness Night. Follow-up activities for use in the classroom were provided to each participating teacher. Additionally, take home materials were developed and provided to every student, allowing them to share the messages with parents.
- Six issues out of the year-long series of Pumpkin Post & Banana Beat newsletters have been distributed in collaboration with Sandwich elementary schools to 265 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.
- Three soil test clinics were held in the Town of Sandwich.
- Forty-five members of the Sandwich Garden Club attended a lecture on "Hydrangeas and Other Flowering Shrubs for Cape Cod."
- One hundred fifteen residents received technical information from the Plant Clinic via phone call, office visit, fact sheet, or soil test.
- Six 4-Poster Deer Feeding stations were maintained in Shawme-Crowell State Forest during FY2011. Stations were activated to allow interaction with deer between mid-Sept. and mid-November 2010, and again between mid-March and

- mid-June 2011. Tick sampling was conducted in October 2010 and during June/July 2011.
- 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.

### **Children's Cove**

- Conducted 20 SAIN (Sexual Abuse Intervention Network) interviews.
- Provided counseling sessions to 55 child victim and their family members with referrals to community providers for long term treatment.
- Conducted 4 medical examinations for children at Children's Cove.

### **Fire & Rescue Training Academy**

- 0 Students, 0Dollar Value, 0 Day Value, 0 Hour Value

### **Department of Health & Environment**

- Tick and Lyme Program, Forestdale Elementary, 120 attendees
- Tick and Lyme Program, Wing Elementary, 100 attendees
- Biometric Screening, 18 attendees
- Biometric Screening, Wing Elementary, 14 attendees
- Responded to 26 residential and commercial referrals for Indoor Air Quality (IAQ), hazardous material issues, or Environmental Health and Safety (EHS) assistance (18 residential/commercial IAQ/housing, four commercial industrial hazardous materials, four residential hazardous materials).
- Worked in the schools for IAQ assessments, provided four comprehensive reports for High School, Forestdale and Oak Ridge Schools.
- School District – Conducted assessment, bidding and contracting for Hazardous Waste Removal for School District-second time.
- Assisted School Department in procuring Perkin Elmer Water Analysis equipment-benefit to school.
- Conducted comprehensive and ongoing IAQ assessment to Sandwich Fire regarding IAQ issues-found placement of MMA graduate student for Capstone project work in formulating solution. Student completed thesis analysis of Station 2-savings to town approximately \$65,000.
- BCREPC provided two mobile message boards for two community events in the Town of Sandwich.

- Coordinated County and Cape Cod Medical Reserve Corps nurse and volunteer staff scheduling for regional adult immunization clinic; 34 adult immunizations (shingles, Td, Tdap, MMR, varicella, Hepatitis A, Hepatitis B, pneumonia) given to Sandwich residents at no charge. Acted as an evaluator for the HSEEP compliant public health preparedness drill conducted at this clinic
- Managed underground storage tank (UST) program which tracks testing and removal of tanks; also performed tank testing. Seven active tanks tracked and tested; have overseen removal of eight tanks in conformance with Board of Health regulations.
- MRC Medical Volunteers staffed the Sandwich Oak Ridge School Shelter-Five MRC
- Secured a grant for the collection and laboratory analyses of marine beach samples. Sampling of marine water was conducted weekly at four sites; East Sandwich Beach, Town Neck at Horizons, Town Neck Beach, and Town Neck Mill Creek. The Sandwich 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; Hoxie Pond, Lawrence Pond, Peter's Pond Boat Ramp, Peter's Pond Town Park, Pimlico Pond, Snake Pond, Triangle Pond, and Wakeby Pond. Samples were processed for detection of fresh water indicator bacteria *E. coli*. The Sandwich 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 Sandwich for posting at all beaches.
- Landfill sampled semi-annually for a total of 18 wells/year and approximately 50 person hours (this total does not include lab work). Quarterly soil gas monitoring is also performed for the Town of Sandwich resulting in an additional 45 hours.
- Conducted over 90 inspections (food service and pools) in support of the Town Health Department during the seasonal influx of tourists.
- 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 45 septic systems within the town (\$571,311 in projects).
- Assisted the Town of Sandwich by achieving Tier 2 Hazardous Chemical Emergency Reporting compliance for 18 facilities.
- Provided the town's Fire Department with Hazardous Tier 2 reports for their CAMEO (Computer Aided Management of Emergency Operations) databases.
- Made training and guidance available for the 18 Tier 2 Hazardous Chemical Reporting facilities in the town.
- Assisted town Health Department staff in meeting the deliverables of the CDC/MDPH Health Agents Coalition grant, as well as state mandates in public health emergency planning.

- Continued ongoing work with the Sandwich Fire Department Chief and Fire Inspector on collecting Tier 2 hazardous chemical information in the town for compliance under EPCRA/SARA Title III.
- Coordinated the organization, documentation and delivery of six flu supply “go kits” for the town health department.

#### **Department of Human Services**

- HRC: Through part of the fiscal year, there was an active town representative on the HRC Town Representation Council. The HRC chair and coordinator met mid-year with the Boards of Selectmen at their regional meeting, and began a process to name a new representative to serve as a liaison between the town and the HRC, support human rights, and advise HRC about issues particular to the town.
- HRC: THE HUMAN RIGHTS ACADEMY. Sandwich High School has been a participant in this HRA for five years, and participated in this year just completed. In addition, Riverview School has participated.
- HRC: After a regional meeting in November 2010 of all Cape police chiefs, HRC commissioners responded to a request by the Sandwich police chief to initiate meetings with the local police.

#### **Resource Development Office/AmeriCorps Cape Cod**

- W.E.T. Festival, Forestdale School  
Members taught students about the importance of water conservation using hands on activities.
- Community Green Farm and Garden  
Members assisted with maintenance of a community garden, and helped to prepare the Housing Assistance Corporation’s educational farm for its first growing season.
- Protective Shorebird Fencing  
Members assisted Mass Audubon’s Coastal Water bird Project with installing fencing at Springhill and Town Neck Beaches.
- Beach Ecology Lessons  
Members taught students at the Sandwich Montessori School about beach grass and coastal ecology, and planted grass with them at Mashnee Dike in Bourne.
- Beach Signage Installation  
Members installed informational signage on Town Neck Beach.
- Ryder Lands Invasive Removal  
Members cleared a section of the Ryder Conservation Lands at the future site of a Town dog park.
- Recycling Lessons  
Members taught students at HT Wing School about recycling and creating recycled paper.