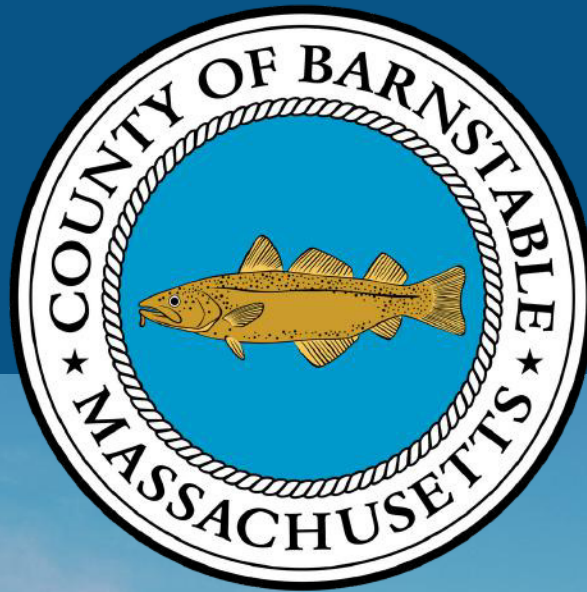


BARNSTABLE COUNTY

CAPE COD REGIONAL GOVERNMENT

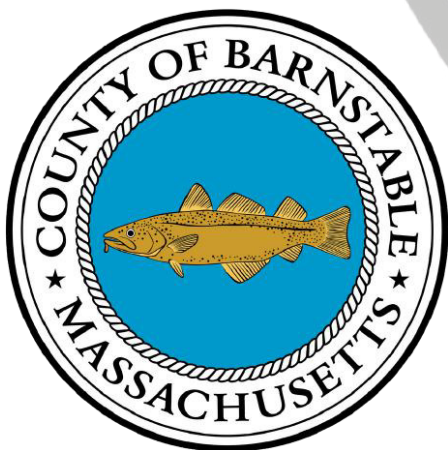


2020 Annual Report

2020 Annual Report

BARNSTABLE COUNTY

CAPE COD REGIONAL GOVERNMENT





FY'20

FROM THE BOARD OF REGIONAL COMMISSIONERS

To the Citizens of Barnstable County:

The Annual Report of the Cape Cod Regional Government for Fiscal Year 2020 contains the cumulative report of the Board of Regional Commissioners and the report of the County Treasurer for the fiscal year ending June 30, 2020. This publication hereby submitted is 121st in the series.

The report of the Board of Regional Commissioners reflects the acts performed during the preceding fiscal year. The report of the County Treasurer provides a record of the county's receipts and expenditures, the balances at year-end in the General Fund, the Cape Cod Environmental Protection Fund, and a listing of the tax assessments to the towns of Barnstable County.

On behalf of the Board of Regional Commissioners, we thank all county employees for their efforts serving the residents of Barnstable County in 2020.

Respectfully submitted,
Ronald Bergstrom, Chair
Barnstable County Board of Regional Commissioners





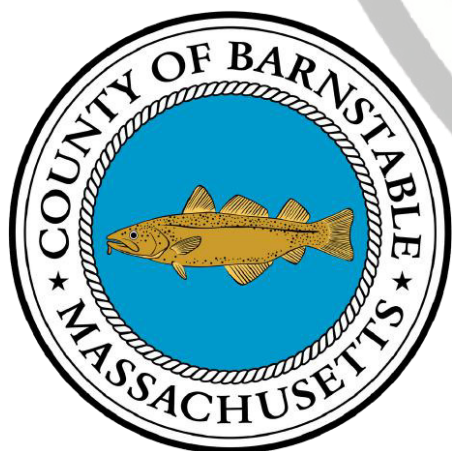
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FY'20

Report of the Barnstable County **BOARD OF REGIONAL COMMISSIONERS**





BOARD OF REGIONAL COMMISSIONERS

Cape Cod Regional Government (known as Barnstable County)

Superior Courthouse

P.O. Box 427

3195 Main Street

Barnstable, MA 02630

508-375-6648 | Fax: 508-362-4136

www.barnstablecounty.org

BOARD OF REGIONAL COMMISSIONERS

Ronald Bergstrom, Chair (Chatham)

508-375-6648 | ronald.bergstrom@barnstablecounty.org

Mary Pat Flynn, Vice-Chair (Falmouth)

508-375-6648 | mflynn@barnstablecounty.org

Ronald R. Beaty, Jr., (Barnstable)

508-375-6648 | ron.beaty@barnstablecounty.org

ADMINISTRATION

Jack Yunits Jr., County Administrator

508-375-6648 | jack.yunits@barnstablecounty.org

Stephen Tebo, Assistant County Administrator

508-375-6648 | stebo@barnstablecounty.org

Justyna Marczak, Human Resources Director

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Owen Fletcher, Executive Assistant

508-375-6648 | owen.fletcher@barnstablecounty.org

Nancy Cushing, Payroll & Benefits Coordinator

508-375-6647 | ncushing@barnstablecounty.org

Sonja Sheasley, Communications Manager

508-375-6896 | sonja.sheasley@barnstablecounty.org

Susan Quinones, Human Rights Commission

Coordinator 508-375-6912 | hrc@barnstablecounty.org

ABOUT

The Board of Regional Commissioners is the Executive Body for the Cape Cod Regional Government, known as Barnstable County. "The executive powers of the Cape Cod Regional Government shall be vested solely in the Board of Regional Commissioners and may be exercised whether directly by such board, or through the several regional agencies under its direction and supervision." Barnstable County Home Rule Charter, Sec. 3-2.

There are three members of the Board of Regional Commissioners. They are elected at large on a partisan basis for four-year staggered terms.

RESPONSIBILITIES INCLUDE:

- Director of County agencies
- Preparation of budgets for submittal to the Assembly of Delegates
- Care of County property
- Supervision of revenue collection and fund disbursement
- Reporting on financial and administrative condition of the County
- Proposal of measures for Assembly action
- Power to veto ordinances
- Appointment and removal of County Administrator and all County employees.



FY'20

BOARD OF REGIONAL COMMISSIONERS

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REPORT OF THE BARNSTABLE COUNTY BOARD OF REGIONAL COMMISSIONERS

For the Period July 1, 2019 and ending June 30, 2020

The County Commissioners of Barnstable County submit the following report on the affairs of the County in accordance with Section 26 of Chapter 35 of the General Laws. The Commissioners met by adjournment on Wednesdays and on such other days as were necessary.

All taxes due from the fifteen (15) Towns within the County are paid to date.

On July 16, 1988, the Governor executed the Barnstable County Home Rule Charter.

It was then accepted by the voters of Barnstable County at the November 8, 1988, State Election. In the November 7, 2000 election, voters overwhelmingly passed a ballot question that asked, "Shall the revisions to the Barnstable County Charter proposed by the Assembly of Delegates establishing a Cape Cod Regional Government be adopted?" With its passage:

Barnstable County Government became the Cape Cod Regional Government, known as Barnstable County. No changes were made to the existing revenue stream for Barnstable County and no new taxes were created. Existing services and the ability to deliver regional services to Towns will be maintained.

The County Budget process is now detailed in the Charter under Article 5 - Fiscal Procedures. The vote of each municipality is proportionate to the percentage of its population is to the total population of the County based on the most recent federal census, or decennial census estimate. The County Tax is based on the Towns' equalized valuation as determined by the State Legislature and Department of Revenue.

For the Fiscal Year 2020 revenue, the County did increase the County Tax by 2 ½ percent as permitted under Massachusetts General Laws. The approved Budget Ordinance 19-04 for Fiscal Year 2019 allowed for expenditures of \$22,317,410.00. Pursuant to Article 3-Executive Branch; Section 3-3(e) (Powers and Duties), the Commissioners file, at least on a semi-annual basis, a report with the Assembly of Delegates informing them of the financial and administrative condition of the County. Also, the Commissioners update the Assembly of Delegates on County issues at their regularly scheduled meetings.



PENDING LITIGATION FOR BARNSTABLE COUNTY

The County was involved in two cases, Barnstable County v. 3M Company et al., and In re: National Prescription Opiate Litigation.

SALARIES OF ELECTED COUNTY OFFICERS

County Commissioners.....	\$14,178.60/each
Register of Deeds.....	\$155,084.15 /FY
Assembly of Delegates.....	\$1,000.00/each/year

COUNTY PROPERTY

- Superior Court House
- Deeds & Probate Building
- Jail & House of Corrections
- Water Quality Testing Lab
- Innovation Building
- Resource Development Offices
- Other Structures/Flag Pole
- County Complex land 17.88 acres; old Rte. 132 land 5.03 acres
- Farm Superintendent’s Residence
- Farm Buildings
- Farm Land 99.89 acres
- Former County Hospital (Pocasset), AmeriCorps & Other Related Buildings
- County Hospital & AmeriCorps Land 70.34 acres
- Fire Administration Building
- First District Court House
- 2nd District Court House
- Helms House / Humans Service Function
- Cape Cod Commission Offices (contents only)
- Land: Flint Rock Rd land with adjacent property and Fire Academy land 11.06 acres
- Land: 3195 Main Street, Barnstable, 17.88 acres with buildings & equipment
- Land: 0 Phinney’s Lane, Barnstable, 5.03 acres with buildings & equipment
- Land: 3675 Main Street, Barnstable, 18.91 acres with buildings & equipment
- Land: 0 Flint Rock Road, Barnstable, 78.24 acres with buildings & equipment
- Land: 155 South Flint Rock Road, Barnstable, 6.20 acres with buildings & equipment
- Land: 1225 Mary Dunn Road, Bourne, 6.61 acres with buildings & equipment
- Land: 0 County Road, Bourne, 65.60 acres with buildings & equipment
- Land: 875 County Road, Bourne, 5.44 acres with buildings & equipment
- Land: 237 Rock Harbor Road, Orleans, 10.00 acres with buildings & equipment



FY'20

BARNSTABLE COUNTY CONTRACTS

Contracts executed and other actions taken as a result of an invitation for bid or request for proposal (RFP) during Fiscal Year 2020

BID #7885: Barnstable County issued an Invitation for Bids for the Dredge Pushboat. The Board of Regional Commissioners voted to award the bid to Marina Inland Fabricators as the responsive, responsible bidder offering the total lowest price.

BID #7886: Barnstable County issued an Invitation for Bids for On-Call Electrical Maintenance and Repair for the period of August 15, 2019, through June 30, 2020, with the option to renew for one additional year. The Board of Regional Commissioners voted to award the bid to B&B Electric as the responsive, responsible bidder offering the lowest price.

BID #7887: Barnstable County issued an Invitation for Bids for the supply, delivery, and assembly of 2,000 linear feet of new HDPE plastic pipeline to be used for discharge of hydraulically dredge material. The Board of Regional Commissioners voted to award the bid to ISCO Industries as the responsive, responsible bidder offering the total lowest price.

BID #7888: Barnstable County issued an Invitation for Bids for Marketing Services for the Department of Human Services for the purpose of providing marketing consulting services to complete a comprehensive marketing, public/media relations, and social media campaign. The Board of Regional Commissioners voted to award the bid to Pierce-Cote Advertising/Grouper Design, as the responsive, responsible bidder offering the most advantageous costs.

BID #7889: Barnstable County issued an Invitation for Bids for the regional oyster remote set program for the participating towns of the County. The Board of Regional Commissioners voted to award the bid to reject all bids in response to this Invitation for Bid in the best interest of the County.

BID #7890: Barnstable County issued an Invitation for Bids on behalf of Cooperative Extension for sealed bids from approved hatcheries to supply shellfish seed to the towns in the County for Summer, 2020. The Board of Regional Commissioners voted to award the bid based on the low price for each item as follows: Cape Cod Oyster, Oyster Seed – 12mm (R-8) to be delivered no later than June 15, 2020, at a price of \$41.00 per thousand; Aquacultural Research Center (ARC), Quahog Seed 2mm to 3mm (R-1.5) too be delivered no later than June 15, 2020, at a price of \$12.00 per thousand and Oyster Seed – 3 mm to 4mm (R-2) to be delivered no later than June 22, 2020, at a price of \$12.75 per thousand.

BID #7891: Barnstable County issued an Invitation for Bids for an Office Trailer to serve as a Mobile Lab for our Health and Environment Department. The Board of Regional Commissioners voted to award the bid to Vanguard Modular Building Systems as the responsive, responsible bidders offering the lowest price.

BID #7892: Barnstable County issued an Invitation for Bids for Bid for the Supply and Delivery of Toners (#7892) for the period of December 2019 to June 30, 2020, with one (1) year option to renew. The Board of Regional Commissioners voted to award the bid to the responsive, responsible bidders offering the lowest overall prices by the brand as follows: Tree House, Inc.; Printing Supplies USA, LLC; Barbarian USA Inc.; and Supplies Outlet.

BID #7893: Barnstable County issued a Request for Qualifications for the Barnstable County Farmhouse Expansion. The Board of Regional Commissioners voted to award the bid to Brown, Lindquist, Fenuccio & Raber Architects, Inc.

BARNSTABLE COUNTY CONTRACTS

BID #7894: Barnstable County issued an Invitation for Bid for Roadway Construction Items for towns in the County for the period of April 1, 2020, through March 31, 2021, with the option to renew for one additional year. The Board of Regional Commissioners voted to award the bid to the following responsive, responsible bidders offering the lowest price for each town: All State Asphalt Inc.; Rafferty Fine Grading Inc.; Murray Paving & Reclamation Inc.; Indus; Felix A Marino Co., Inc.; Lawrence Lynch Corp.; PJ Keating Robert Childs, Inc.; and MCE Dirtworks.

BID #7894A: Barnstable County issued an Invitation for Bids for the Town of Falmouth for Roadway Construction Item – Bituminous Concrete excavation by Cold Planner for the period of April 1, 2020, through March 31, 2021, with the option to renew for one additional year. The Board of Regional Commissioners voted to award the bid to Lawrence Lynch and Garrity Asphalt Reclaiming as the responsive, responsible bidders offering the lowest price.

BID #7895: Barnstable County issued an Invitation for Bids for Road Resurfacing for Specific Projects for towns in the County for the period of April 1, 2020, through March 31, 2021. The Board of Regional Commissioners voted to award the bid to Lawrence Lynch as the responsive, responsible bidder offering the lowest overall price for each town.

BID #7896: Barnstable County issued an Invitation for Golf Course Materials and Services to be used at Municipal Golf courses and other Political Subdivisions for the period of March 1, 2020, through February 28, 2021. The Board of Regional Commissioners voted to award the bid to the following responsive, responsible bidders offering the lowest price: Tom Irwin, Inc; Helena Agri Enterprises; Harrell's LLC; Site One Landscape Supply; The Charles C. Hart Seed Company; Atlantic Golf & Turf; and Winfield Solutions.

BID #7897: Barnstable County issued an Invitation for Bids for a Fire Training Academy Prop (Mobile). The Board of Regional Commissioners voted to award the bid to o American Fire Training Systems as the responsive, responsible bidder offering the lowest price.

BID #7898: Barnstable County issued a Request for Qualifications #7898 for Tradespersons for municipalities & Nantucket to use seventeen different categories of work for individual construction projects estimated to cost under \$50,000, per the Municipal Modernization Act of 2016 The Board of Regional Commissioners voted to approve a list of contractors.

BID #7899: Barnstable County issued an Invitation for Bids for Toilets for towns in the County. The Board of Regional Commissioners voted to award the bid for the Towns of Brewster, Eastham, and Yarmouth to Nauset Disposal as the responsive, responsible bidder offering the lowest overall.

BID #7900: Barnstable County issued an Invitation for Bids for Miscellaneous Public Works for the Town of Eastham and Nantucket for the period of April 1, 2020, through March 31, 2021. The Board of Regional Commissioners voted to award the bid to the following responsive, responsible bidders offering the lowest price: Indus and RJ Gabriel Construction.

BID #7901: Barnstable County issued an Invitation for Bids for Roadway Materials for the Town of Eastham and Nantucket for the period of April 1, 2020, through March 31, 2021. The Board of Regional Commissioners voted to award the bid to the following responsive, responsible bidders offering the lowest price: Aggregate Industries; PA Landers; and PJ Keating.



BARNSTABLE COUNTY CONTRACTS

BID #7902: Barnstable County issued an Invitation for Bids from qualified contractors to furnish all labor, materials, and equipment and to perform all work required to replace the existing roof on the First District Courthouse. The Board of Regional Commissioners voted to award the bid to Capeway Roofing systems as the most responsible and responsive bidder offering the lowest price.

BID #7903: Barnstable County issued an Invitation for Bids for the supply and delivery of #2 Fuel Oil to Barnstable County and other Political Subdivisions. The Board of Regional Commissioners voted to award the bid to Sprague Operating Resources, LLC as the most responsible and responsive bidder offering the lowest price.

BID #7904: Barnstable County issued an Invitation for the supply and delivery of Gasoline & Diesel fuel for the period of July 1, 2020, to June 30, 2021, to Barnstable County and other Political Subdivisions. The Board of Regional Commissioners voted to award the bid to the following responsive, responsible bidders offering the lowest price: Cape Cod Biofuels; Sprague Operating Resources, LLC; and Noonan Brother Petroleum.

BID #7905: Barnstable County issued an Invitation for Bids for the supply and delivery of Copy Paper for the period of July 1, 2020, to December 31, 2020, to Barnstable County and other Political Subdivisions. The Board of Regional Commissioners voted to award the bid to the following responsive, responsible bidders offering the lowest price: Liberty Paper; WB Mason; and Veritiv.

BID #7906: Barnstable County issued an Invitation for Bids to lease 5,000 square feet of space for the Barnstable County Cape Cod Cooperative Extension for a period of 1-2 years beginning July 1, 2020. The Board of Regional Commissioners voted to award the bid to Turtle Rock LLC as the most responsible responsive bidder offering the lowest price.

BID #7907: Barnstable County issued an Invitation for Bids on behalf of water districts in Barnstable County for the supply and delivery of Caustic-Potash (potassium Hydroxide -KOH), Hydrated Lime, Citric Acid, Sodium Hypochlorite, Methanol Solution and Sodium Hydroxide for the period of July 1, 2020, through June 30, 2021. The Board of Regional Commissioners voted to award the bid to the following responsive, responsible bidders offering the lowest price: Coyne Chemical; NBC Distributors; Saybrooke Environmental; Borden & Remington; and Univar.

BID #7908: Barnstable County issued a Request for Proposal for Water Quality Monitoring for the purpose of conducting a water quality monitoring program from stations located throughout Cape Cod Bay, Buzzards Bay, and Nantucket Sound and its embayment. The Board of Regional Commissioners voted to award the bid Center for Coastal Studies, as the responsive, responsible bidder offering the most advantageous proposal.

BID #7909: Barnstable County issued an Invitation for Bids for Water and Wastewater Testing Products. The Board of Regional Commissioners voted to award the bid to IDEXX Distribution Inc., as the responsive, responsible bidder offering the lowest price.



FY'20

BOARD OF REGIONAL COMMISSIONERS

COUNTY OFFICERS

July 1, 2019 – June 30, 2020

COUNTY COMMISSIONERS

Current Members

Ronald Bergstrom, Chair, Chatham

Mary Pat Flynn, Vice-Chair, Falmouth

Ron Beaty, Commissioner, Barnstable

COUNTY ADMINISTRATOR

Jack T. Yunits, County Administrator

Stephen Tebo, Assistant County Administrator

ASSEMBLY OF DELEGATES

Current Delegates

Patrick Princi, Barnstable

Linda Zuern, Bourne

Mary Chaffee, Brewster

Randi Potash, Chatham

John Ohman, Dennis

J. Terence Gallagher, Eastham

Douglas Brown, Falmouth

Elizabeth Harder, Harwich

Thomas O'Hara, Mashpee

Christopher Kanaga, Orleans

Brian O'Malley, Provincetown

James Killion, Sandwich

Deborah McCutcheon, Truro

E. Suzanne McAuliffe, Speaker, Yarmouth

Lilli-Ann Green, Wellfleet

Previous Delegates

Through Jan. 2, 2021 unless noted

Susan Moran, resigned May 2020, Eastham

FINANCE DIRECTORS/COUNTY TREASURERS

Elizabeth Braccia, Treasurer/Director of Finance

Patricia D. Rogers, Assistant Treasurer

Stephen J. Amara, County Accountant

REGISTER OF DEEDS

John F. Meade, Register

David B. Murphy, Assistant Register of Deeds

CAPE COD COMMISSION

Harold Mitchell, Chairman

Kristy Senatori, Executive Director

GENERAL COUNSEL

Robert Troy, Esq.

COUNTY CLERK

Janice O'Connell, County Clerk

CAPE COD MUNICIPAL TRAINING

Phil Burt, Director

DIRECTOR OF FACILITIES

Donald Reynolds, Director of Facilities

DEPARTMENT OF HEALTH & ENVIRONMENT

Sean O'Brien, Director of Health and Environment

DEPARTMENT OF HUMAN SERVICES

Elizabeth Albert, Director of Human Services

COOPERATIVE EXTENSION SERVICE

Michael Maguire, Director of Cooperative Extension

REGIONAL RESOURCE DEVELOPMENT PROGRAM

Julie Ferguson, Resource Development Director

DREDGE PROGRAM

Jason Bevis, Interim Dredge Superintendent

INFORMATION TECHNOLOGY DEPARTMENT

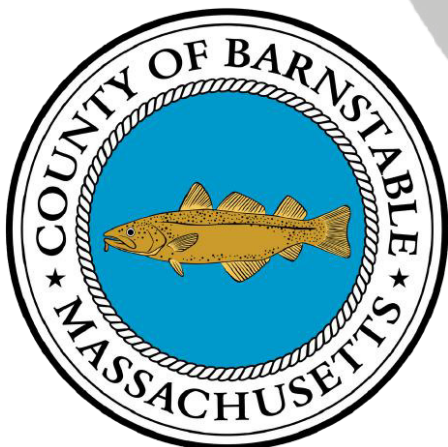
William Traverse, Director of Information Technology

CAPE COD & THE ISLANDS CHILD ADVOCACY CENTER

Stacy Gallagher, Director of Children's Cove

Report of the Barnstable County **ASSEMBLY OF DELEGATES**

ASSEMBLY OF DELEGATES



ASSEMBLY OF DELEGATES

Cape Cod Regional Government (known as Barnstable County)

P.O. Box 427

3195 Main Street, Route 6A

Barnstable, MA 02630

www.barnstablecounty.org

REPORT OF THE BARNSTABLE COUNTY ASSEMBLY OF DELEGATES

For the Period July 1, 2019 and ending June 30, 2020

The Assembly of Delegates is the legislative branch of Cape Cod Regional Government (also known as Barnstable County government). Each town within the county is duly represented in the Assembly of Delegates. Delegates are elected by the voters from each town for a two-year (calendar) term. The vote of each delegate is a weighted vote based on the 2010 U.S. Decennial Census. Barnstable has the largest weighted vote of 20.92% and Truro has the smallest weighted vote of 0.93%.

Delegates to the Sixteenth Session (2019–2020) of the Assembly of Delegates were sworn in on January 2, 2019. E. Suzanne McAuliffe (Yarmouth) was elected Speaker and Susan Moran (Falmouth) was elected Deputy Speaker. Deputy Speaker Moran resigned her seat in May 2020 and Patrick Princi (Barnstable) was elected in June 2020 as the Deputy Speaker. Janice O'Connell continued as the Assembly Clerk.

The Sixteenth Session (2019-2020) of the Assembly of Delegates typically holds regular meetings on the first and third Wednesday of each month at 4:00 p.m. in the Eastwing Conference Center, at the Barnstable County Complex located at 3195 Main Street in Barnstable. However, due to the COVID19 Pandemic, the Assembly has been meeting virtually using the Zoom platform. Virtual Assembly meetings are expected to continue into FY21. The physical location of the Office of the Clerk for the Assembly of Delegates is currently located at the Superior Courthouse Building at 3195 Main Street in Barnstable.

The legislative powers of county government are vested in the Assembly of Delegates, and except as provided in the Barnstable County Home Rule Charter, the acts of the Assembly of Delegates are required to be by ordinance or resolution.

Ordinances are brought forward to the Assembly of Delegates, referred by the Speaker for review and discussion, prior to receiving a recommendation for a vote by the Assembly. The public can participate in the process when a proposed ordinance is scheduled for a public hearing.

Delegates are appointed to serve on Standing Committees of the Assembly and may also be appointed as liaisons or to serve on other ad hoc or special committees.

In 2019 a resolution was adopted by the Assembly of Delegates establishing a Charter Review Committee. However, due to time constraints related to the COVID19 Pandemic, the Assembly could not make any Charter change recommendations for placement on the November 2020 ballot. The committee hopes the Assembly will continue its work into the next legislative session for consideration in 2022.

The Standing Committees of the 16th Session of the Assembly of Delegates are as follows:

- **Economic Affairs**•: addresses economic development in Barnstable County
- **Finance**•: reviews the budget and looks at every major decision rendered by the Barnstable County government that has financial implications including inter-governmental fiscal policies and procedures
- **Governmental Regulations**: address all matters relating to the Regional Policy Plan (committee composition consists of the Chairs of all other Standing Committees)



• **Health and Human Services:** addresses matters relating to public health, social services, and housing

• **Natural Resources:** addresses matters relating to environmental matters

• **Public Services:** addresses matters relating to public services

• **Telecommunications and Energy:** addresses matters relevant to telecommunications and energy policy and budgetary decisions of the Assembly and to the general welfare of the citizens of Barnstable County.

Members of Assembly committees review the components of proposed ordinances under consideration prior to issuing a report to the full Assembly.

An important and significant responsibility of the Assembly is the review and adoption of a proposed budget for the ensuing fiscal year. A proposed budget is submitted to the Assembly of Delegates by the Board of County Commissioners (the executive branch of Barnstable County government). Standing Committees meet with department managers, review their budgets and programs, look at the goals and effectiveness of each program, and consider information that is gathered through the public hearing process prior to making a recommendation to the full Assembly for a vote. This budget process typically takes place between February and May of each year. In FY20 the full Assembly was designated as a Standing Committee and charged with review of the FY21 budget.

2019 (JULY THROUGH DECEMBER)

• **Ordinance 19-13:** Change of capital budget purpose to "Repairs at the Old Jail Complex" - adopted by the Assembly on 9/4/19.

• **Ordinance 19-14:** FY20 County Dredge operating budget supplemental appropriations for County Dredge \$584,500– adopted by the Assembly on 10/2/19.

• **Ordinance 19-15:** FY20 County operating budget supplemental appropriation for Charter Review Legal Expenses \$25,000– adopted by the Assembly on 10/16/20.

• **Ordinance 19-16:** FY20 County operating budget supplemental appropriations for Health Department, Resource Development Department, and Electric Charging Stations \$215,000– adopted by the Assembly on 11/20/19.

• **Ordinance 19-17:** To rescind Barnstable County authorized and unissued debt– adopted by the Assembly on 11/20/19.

• **Ordinance 19-18:** Designation of a District of Critical Planning Concern (DCPC) in Harwich– adopted by the Assembly on 12/4/19.

2020 (JANUARY THROUGH JUNE)

• **Ordinance 20-01:** Barnstable County Lab Fee increases– adopted by Assembly on 2/19/20.

• **Ordinance 20-02:** FY20 County operating budget supplemental appropriation for Fire Academy Training Equipment contract of \$75,000 - adopted by the Assembly on 3/4/20.

• **Ordinance 20-03:** FY21 County Capital Budget - adopted by the Assembly on 5/6/20.

• **Ordinance 20-04:** FY21 County Operating Budget - adopted by the Assembly on 5/6/20.

• **Ordinance 20-05:** FY21 Cape Cod Commission Operating Budget - adopted by the Assembly on 5/6/20.

• **Ordinance 20-06:** FY21 County Dredge Operating Budget - adopted by the Assembly on 5/6/20.

• **Ordinance 20-07:** Update to Cape Cod Commission Regional Policy Plan (RPP)– adopted by the Assembly on 5/6/20.

Ordinance 20-08: FY20 County operating budget supplemental appropriation for legal services associated with solar lease review and analysis \$25,000– adopted by the Assembly on 6/17/20.

TOWN REPRESENTATION SIXTEENTH SESSION (JANUARY 2019 TO DECEMBER 2020) ASSEMBLY OF DELEGATES

Delegates	Town	% Weighted Vote
Mary Chaffee	Brewster	4.55%
J. Terence Gallagher	Eastham	2.30%
Lilli-Ann Green	Wellfleet	1.27%
Elizabeth Harder	Harwich	5.67%
Christopher Kanaga	Orleans	2.73%
James Killion	Sandwich	9.58%
E. Suzanne McAuliffe	Yarmouth	11.02%
Deborah McCutcheon	Truro	0.93%
Susan Moran (resigned May 2020)	Falmouth	–
Douglas Brown (sworn-in July 2020)	Falmouth	14.61%
Thomas O'Hara	Mashpee	6.49%
John Ohman	Dennis	6.58%
Brian O'Malley	Provincetown	1.36%
Randi Potash	Chatham	2.84%
Patrick Princi	Barnstable	20.92%
Linda Zuern	Bourne	9.15%
		100.00%

If you have any questions about the operation or structure of the Assembly of Delegates, please contact the Assembly Clerk via the following:

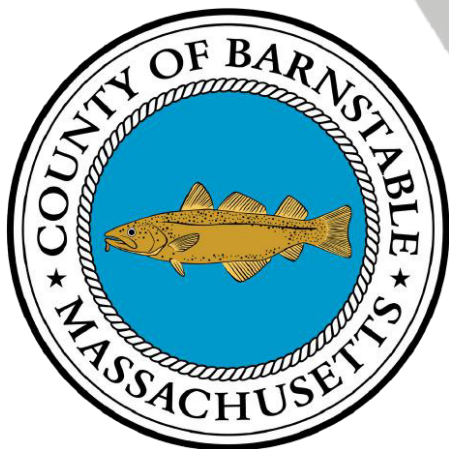
Janice O'Connell, Clerk

Telephone (508) 375-6761 Email: aofd@barnstablecounty.org



Report of the Barnstable County **DEPARTMENT OF FINANCE** **& TREASURER**

FINANCE & TREASURER





FY'20

DEPARTMENT OF FINANCE & COUNTY TREASURER

Cape Cod Regional Government (known as Barnstable County)
P.O. Box 427
3195 Main Street, Route 6A
Barnstable, MA 02630
www.barnstablecounty.org

Elizabeth J. Braccia

Director of Finance/County Treasurer

508-375-6915 | elizabeth.braccia@barnstablecounty.org

Kara Mahoney

County Auditor

508-375-6639 | kmahoney@barnstablecounty.org

Stephen Amara

County Accountant

508-375-6640 | stephen.amara@barnstablecounty.org

Patricia Rogers

Assistant Treasurer

508-375-6645 | trogers@barnstablecounty.org

Jennifer Frates

Chief Procurement Officer

508-375-6637 | jennifer.frates@barnstablecounty.org

Pricilla Ellis

Finance Assistant

508-375-6975 | pellis@barnstablecounty.org

The Barnstable County Department of Finance respectfully submits its Annual Report for the Fiscal Year 2020.

The department is responsible for the financial management of the County. These functions include Treasurer Services, Accounting, Accounts Payable, and Purchasing.

The fiscal year 2020 was a year of success for the Finance Department with timely closing of the County finances, hiring a new Chief Procurement Officer, implementation of additional MUNIS modules, cross-training within Finance, and overall streamlining of the department's functions. The department continued to collaborate with County departments and implemented Admin User Group quarterly meetings to improve communication and form a closer workforce.

The County's revenues remained strong in Registry fees, excise taxes, courthouse rental, investment income, departmental fees and charges, and grant funding, while expenditures remained conservative. With the introduction of COVID 19 in late February, the County put a hiring freeze and spending freeze in place. This action resulted in a positive result for the General Fund and the Cape Cod Commission Fund.

Elizabeth J Braccia

Director of Finance/Treasurer



Barnstable County
FY2020
Combined Balance Sheet

	General	Cape Cod Commission	Dredge	Septic Loan Program	Capital Projects	Other Funds	Total Governmental Funds
Assets							
Cash and Cash Equivalents	9,688,732	5,704,647	707,307	8,633,844	289,124	9,493,510	34,517,164
Investments	0	0	0	0	0	0	0
Receivables	1,504,651	0	0	0	0	0	1,504,651
Intergovernmental	0	0	188,286	0	0	1,176,873	1,365,159
Departmental	0	0	0	0	0	0	0
Loans and Others	0	0	0	14,356,013	0	0	14,356,013
Amounts to be provided - bond payments	0	0	0	0	0	0	0
Due from other entities	0	0	0	0	0	0	0
Total Assets	11,193,383	5,704,647	895,593	22,989,857	289,124	10,670,383	51,742,987
Liabilities							
Warrants payable	208,151	4,743	2,860	208,098	154,773	586,937	1,165,562
Accrued payroll	0	0	0	0	0	0	0
Deferred Revenue	0	0	0	14,356,013	0	8,278	14,364,291
Liabilities due depositors	450,314	0	0	0	0	0	450,314
Due to other funds	0	0	0	0	0	0	0
Bonds payable	0	0	0	0	0	0	0
Notes payable	0	0	0	0	1,904,087	0	1,904,087
Total Liabilities	658,465	4,743	2,860	14,564,112	2,058,860	595,215	17,884,254
Fund Equity							
Restricted	0	0	0	0	0	0	0
Committed	0	0	0	0	0	0	0
Assigned	0	0	0	0	0	0	0
Unassigned	10,534,918	5,699,904	892,733	8,425,745	(1,769,736)	10,075,169	33,858,733
Total Fund Equity	10,534,918	5,699,904	892,733	8,425,745	(1,769,736)	10,075,169	33,858,733
Total Liability and Fund Equity	11,193,383	5,704,647	895,593	22,989,857	289,124	10,670,383	51,742,987

**Barnstable County
Outstanding Debt
6/30/2020**

Purpose of Loan	Issue Date	Maturity Date	Original Note/Bond	Rate %	Payable	Outstanding Principal	New Debt Issued	FY20 Retirements	06-30-2020 O/S Princ	Principal Payable FY21
T5-05-1685 Community Septic Mgt Program Bond	03/18/09	07/15/27	2,850,000	0%	Annually	1,350,000	0	150,000	1,200,000	150,000
T5-05-1685-A Community Septic Mgt Program Bond	11/22/10	07/15/29	2,550,000	0%	Annually	1,476,312	0	134,211	1,342,101	134,211
T5-05-1685-B Community Septic Mgt Program Bond	11/22/10	07/15/30	3,600,000	0%	Annually	2,160,000	0	180,000	1,980,000	180,000
T5-05-1685-C Community Septic Mgt Program Bond	07/08/10	07/15/30	3,000,000	0%	Annually	1,800,000	0	150,000	1,650,000	150,000
T5-05-1685-D Community Septic Mgt Program Bond	05/22/13	01/15/33	4,000,000	0%	Annually	2,800,000	0	200,000	2,600,000	200,000
T5-05-1685-E Community Septic Mgt Program Bond	05/22/13	01/15/33	3,000,000	0%	Annually	2,100,000	0	150,000	1,950,000	150,000
T5-05-1685-F Community Septic Mgt Program Bond	05/22/13	01/15/33	5,000,000	0%	Annually	3,500,000	0	250,000	3,250,000	250,000
T5-05-1685-G Community Septic Mgt Program Bond	11/15/15	01/15/35	5,000,000	0%	Annually	4,000,000	0	250,000	3,750,000	250,000
Multiple Purpose Bond 2017	09/20/17	09/15/32	4,387,000	5%	Annually	3,875,000	0	510,000	3,365,000	505,000
Bond Anticipation Notes	09/22/19	09/22/20	760,000	1.2%	At Maturity	760,000	1,904,087	760,000	1,904,087	1,904,087
			34,147,000			23,821,312	1,904,087	2,734,211	22,991,188	3,873,298



FY'20

To the Citizens of Barnstable County:

I hereby submit the Annual Report of the Treasurer of Barnstable County for the fiscal year ending June 30, 2020.

The financial reports that follow include a statement of receipts and expenditures, the balances at year-end in the General Fund and the Cape Cod Commission Fund, an outstanding debt schedule, and a listing of the tax assessments to the towns of Barnstable County.

All financial records through June 30, 2019, have been examined by the firm of Powers and Sullivan, LLC located in Wakefield Massachusetts, and were found to be in good order. The audit report is on file at the office of the County Treasurer and is available on the County Website.

Respectfully submitted,
Elizabeth J Braccia
Finance Director/County Treasurer

**County of Barnstable
Tax Assessments
Fiscal Year 2020**

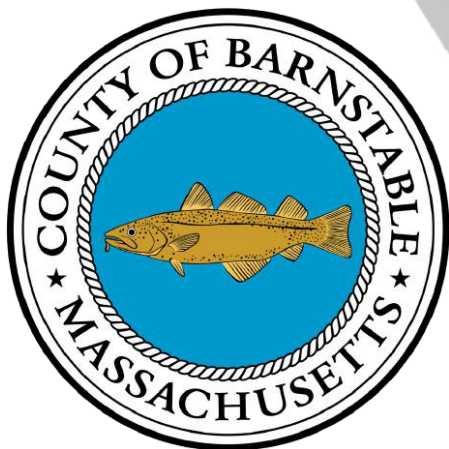
Town	County Tax	Cape Cod Commission Environmental Protection Tax
BARNSTABLE	\$572,097	\$613,367
BOURNE	\$184,316	\$197,612
BREWSTER	\$157,028	\$168,354
CHATHAM	\$282,458	\$302,835
DENNIS	\$276,713	\$296,676
EASTHAM	\$113,941	\$122,159
FALMOUTH	\$472,998	\$507,117
HARWICH	\$218,307	\$234,056
MASHPEE	\$214,956	\$230,462
ORLEANS	\$162,773	\$174,514
PROVINCETOWN	\$117,771	\$126,266
SANDWICH	\$164,688	\$176,568
TRURO	\$88,089	\$94,443
WELLFLEET	\$96,706	\$103,682
YARMOUTH	\$240,329	\$257,665
Totals	\$3,363,170	\$3,605,776



FY'20

Report of the Barnstable County **PURCHASING DIVISION**

PURCHASING





PURCHASING DIVISION

Cape Cod Regional Government (known as Barnstable County)
P.O. Box 427
3195 Main Street, Route 6A
Barnstable, MA 02630
<http://purchasing.barnstablecounty.org>

REPORT OF THE BARNSTABLE COUNTY PURCHASING DIVISION

For the Period July 1, 2019 and ending June 30, 2020

Jennifer Frates

Chief Procurement Officer

508-375-6637 | jennifer.frates@barnstablecounty.org

The Barnstable County Purchasing Division in FY20 completed the transition with the retirement of the Chief Procurement Officer, Elaine Davis. Mrs. Davis brought years of experience and successfully collaborated with Towns to collectively purchase commodities in high volume driving the reduction of overall costs and increase in savings and efficiencies.

The County's new Chief Procurement Officer, Jennifer Frates was able to build upon the successful groundwork laid by Mrs. Davis. Mrs. Frates procurement experience includes municipal purchasing with the City of New Bedford and the Town of Dartmouth and prior to starting her new role with the County, she was the Strategic Procurement Sourcing Manager with the University of Massachusetts Dartmouth.

Established in 1979 by a vote of the County Commissioners, the Purchasing Department maintains a centralized purchasing system of goods and services collectively not only for County departments but also to serve the towns of Barnstable County. Through the coordination of bids, town and county departments can take advantage of the cost savings involved with the procurement of goods and services in large volumes.

The Purchasing Division adheres to the procurement policies for local governments set by the Massachusetts Legislature through Chapter 30B, Chapter 30,39M, and Chapter 149 of the Massachusetts General Laws. These regulations

were enacted to foster effective competition and to avoid price discrimination and unfair methods of competition. They also help to prevent "favoritism" in the awarding of contracts as bids are awarded to the responsive, responsible bidder offering the lowest price.

COLLECTIVE BIDS: Many of the towns of Barnstable County partner with County Purchasing to solicit bids collectively. In Fiscal Year 2020, the Purchasing Division took the lead in the coordination of bids for the following goods and services:

- **#7889 & #7890 - Remote Set Oysters, Hard Clam (Quahog) Seed, and Single Oyster Seed:** These bids are procured on behalf of the Barnstable County Division of Marine Fisheries Municipal Shellfish Propagation Program. The product is distributed to participating towns within the county.

- **#7894 & #7895 - Roadway Construction and Road Resurfacing:** Ten towns participated in the bids for 23 various categories of roadway construction work.

- **#7896 - Golf Course Materials and Services:** Municipal golf courses and other municipal departments receive discounted prices on materials such as fertilizers, fungicides, growth regulators and insecticides through this bid.

- **#7898 - Trades Person List:** The Municipal Modernization Act which was enacted into law in 2016 allows for municipalities to establish a "blanket" list of pre-approved tradespersons to be used to procure construction projects that are estimated to cost between \$10,000 and \$50,000.

Barnstable County Purchasing worked with the towns in the County and the Massachusetts Office of the Attorney General to establish a “blanket” list of pre-approved tradespersons. Since that time, the Purchasing Division has continued to issue Requests for Qualifications and has established a list of sixty-eight vendors offering services in nineteen different trade categories. By requesting quotes from this list, municipal departments can save time procuring work for small projects.

- **#7899 - Portable Toilets:** This bid is for the lease and maintenance of portable toilets for use at special events, in beach or park areas, and other applications where temporary or permanent portable units may be required.

- **#7900 – Miscellaneous Public Works**

- **#7901 – Roadway Materials**

- **#7905 - Bulk Purchase of Copy Paper:** The Purchasing Division solicited bids for the purchase of 7,500 cases of copy paper for bulk delivery to eleven school districts in Barnstable County and Nantucket.

- **# 7903 - Supply and Delivery of Fuel Oil:** The Purchasing Division organized a collaborative bid for the supply and delivery of fuel oil to thirty municipal buildings across the County for an estimated total of 113,714 gallons of heating oil.

- **#7904 Supply and Delivery of Gasoline and Diesel Fuel:** Various municipal entities, schools, fire districts, and water districts across Barnstable County along with County Dredge participated in a collaborative bid for over 1,500,000 gallons of gasoline and diesel fuel.

- **# 7907 - Supply and Delivery of Caustic-Potash (potassium Hydroxide – KOH), Sodium Hypochlorite, Sodium Hydroxide, Hydrated Lime, and Citric Acid:** Eleven water departments participated in this bid for chemicals commonly used by water departments.

COLLECTIVE BIDS (RENEWALS): The Purchasing Division is responsible for also exercising renewal extensions, if applicable, for goods and services procured in a previous fiscal year.

- **Household Hazardous Waste Collections:** The Purchasing Division solicits this bid on behalf of the Cape Cod Cooperative Extension, which provides for the collection of household hazardous waste materials at twenty-four sites across the County. Residents can drop off items that are not collected through the transfer station at these events. The final extension period was exercised in FY 20 and will go out to bid in FY21.

- **Construction Materials:** The Construction Materials bid was solicited on behalf of the Towns as the result of concerns over the lack of local vendors on the state contract to provide construction materials. The Purchasing Division worked with the towns to develop a list of 380 construction materials frequently used by town facility departments. The final extension period was exercised in FY 20 and will go out to bid in FY21.

- **Disposal of construction and demolition waste**

- **Municipal solid waste**

- **Elevator maintenance and repair**

COUNTY BIDS: Aside from the collective bids, the Purchasing Division also solicited the following bids on behalf of the County departments:

#7885 - Dredge Push boat

#7887 - Dredge Pipe

#7888 – Marketing Services for Human Services

#7891 - Mobile Lab

#7892 - Toner

#7893 - Farmhouse Designer

#7897 - Fire Training Academy Mobile prop

#7902 – First District Roof

#7906 – Cooperative Extension Lease of Space

#7908 – Water Quality Monitoring

#7909 – Water & Wastewater Testing Products

*Additional more detailed bid information can be reviewed in the Board of Regional Commissioner’s section of the annual report.

PURCHASE ORDERS: In September of 2019 the Finance Director amended the county policy requiring County departments to request purchase orders for purchases from over \$500.00 to \$5,000.001. The Purchasing Division processed 1,769 purchase orders for County departments during the Fiscal Year 2020. The Purchasing Division processed 1,956 purchase orders for County departments during the Fiscal Year 2019.

CAPE COD ASSOCIATION OF PUBLIC PURCHASING

OFFICIALS: The Cape Cod Association of Public Purchasing Officials (CCAPPO) was established by the County in 2006 to provide education and networking for local officials who are involved in the procurement duties in their towns. Participants can earn credits toward recertification for the Massachusetts Certified Public Purchasing Official (MCPPO) designation through attendance at these meetings. CCAPPO met bi-monthly with presenters on topics of interest to procurement officials.

As the newly elected President, my goal has been to bring a number of green initiatives such as remote meetings, electronic newsletters, and the redesign of the website to provide digital files to our Towns on different bids and meeting materials. Presentation topics from FY20 include:

- Auctions International
- Emergency Procurement
- Advanced Topics for Chapter 30B, Design & Construction Law & Prevailing Wage Requirements
- Minority & Woman Owned Business Program
- Tradesperson bid overview
- Operational Services Division (OSD) State Contracts Overview

TAKING PROCUREMENT INTO THE FUTURE

The Purchasing Department over FY20 began the transition from a transactional purchasing process to a more strategic procurement approach using data to drive decisions and efficiencies resulting in savings and value-added services. The foundation of any Purchasing operation includes fair competition, obtaining the best value, compliance, and education. The development of a Procurement operation will build relationships with stakeholders, coordinate purchase needs in the early stages, identify suppliers, research market trends, standardization of products and services, train personnel, avoid duplication and waste, negotiate contracts, plan risk mitigation, and continually searching for alternative ideas and products to improve efficiency.

INITIATIVES:

• **Technology** -- The Purchasing Department in FY20 focused a lot of efforts to streamline a lot of the current procurement processes. This Green initiative eliminates the use of paper for a lot of our bids and contracts which not only will save the County in postage and office supplies but will further drive the overall mission of the County to be more sustainable and environmentally conscious.

Contract Management – IMPLEMENTATION BEGAN IN LATE FY 2020 This solution tracks contract deadlines, spending, and savings and allows for better data on future solicitations.

E-Bidding/Bid Management – IMPLEMENTATION BEGAN IN LATE FY 2020 Electronic bidding (e-bidding) is the term used to describe electronic methods of providing solicitation notification and receiving selected quotations, bids, or other types of solicitations over the Internet. The Division previously utilized a partially automated solution for preparing, posting, and receiving solicitations. The old system was labor-intensive, paper-based, and costly for the County and its vendors. The County at the end of the fiscal year contracted with Bonfire an e-bidding system that is more efficient, reduces the cost of bidding on County contracts, and prevents costly bidding errors.

Vendor Self-Serve – IMPLEMENTED IN FY 2020 This system solution will allow vendors to self-register when doing business with County Departments and receive notifications of any bidding opportunities and a portal to submit proposals.

Redesign of Purchasing Website COMPLETED IN FY2020 – The Purchasing Department redesigned the department website to make it more functional and efficient for suppliers and Towns. The website can be viewed: <http://purchasing.barnstablecounty.org>

SharePoint – For internal departments, the Purchasing Department focused a lot of effort to put as much information as possible to give County employees a one-stop-shop for anything procurement related. The page is filled with Forms, Job-aids, Training videos, and different resources. The news section has been vital in communicating a lot of the initiatives, changes, and reminders so that employees are aware of what is happening in Purchasing.

KPI's (Key Performance Indicators) and Metrics –

With the technology systems in place, the Purchasing Department will be able to track KPI's in the future. The benefits of having better data will identify future bidding opportunities, provide transparency, ensure compliance with purchasing laws, policies, and procedures and be a source of continuous improvement.

General indicator categories may include: Contract spend, number of bids, number of contracts, renewals completed in a fiscal year, State Contracts utilized, purchase orders completed, PO cycle time, training hours to staff, contracts awarded to MBE/WBE, commodity types.

FY20 DATA

Bid Savings (Cost Avoidance) for FY 2020:

\$1,662,944.79

Number of Bids: 26

Purchase Orders: 1769

P-Cards – The implementation of a P-Card program in FY2020 benefited the County through cost savings, improved spending data, increased spending with small businesses, reduction in reimbursement requests, and will provide rebate incentives.

The transactional, or process cost, of using a traditional procure-to-pay process—often involving a requisition, purchase order, invoice, and check payment—is the same regardless of the dollar amount of the purchase. Overall, P-Cards provide a means for streamlining the procure-to-pay process, allowing organizations to procure goods and services in a timely manner, reduce transaction costs, track expenses, and take advantage of supplier discounts.

Training Programs – The success of any organization is the proper training of its staff giving them the tools and resources needed to be able to perform their duties and comply with the policy. The Purchasing Department will look to offer training programs on a variety of topics including bidding, contracting, general purchasing policy, p-card, state contracts and more.

Munis User Group (Quarterly November, February)

P-Card (January)

CommBuys Train (December)

IN CONCLUSION

The Purchasing Division will continue its goals of encouraging fair competition, obtaining the best value, ensuring the ongoing accountability of public funds, educating those who are involved in the public procurement process, and exploring new ways to help the county and towns save money through collective purchasing.

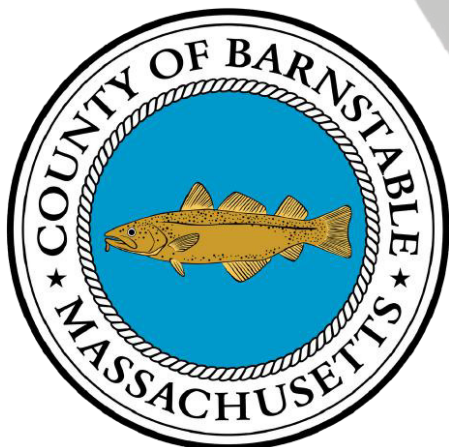
Respectfully Submitted,
Jennifer Frates
Chief Procurement Officer



FY'20

Report of the CAPE COD COMMISSION

CAPE COD COMMISSION



CAPE COD COMMISSION

P.O. Box 226

3225 Main Street, Route 6A

Barnstable, MA 02630

508-362-3228 | Fax: 508-362-3136

frontdesk@capecodcommission.org

www.capecodcommission.org

REPORT OF THE CAPE COD COMMISSION

For the Period July 1, 2019 and ending June 30, 2020

ABOUT THE CAPE COD COMMISSION

The Cape Cod Commission was created by an Act of the Massachusetts state legislature in 1989. The Commission is charged with coordinating a balanced relationship between economic progress and environmental protection. "Keeping a special place special" describes the agency's mission to protect the region's unique qualities.

The 19-member appointed Cape Cod Commission board includes representatives from each of the 15 Cape Cod towns, a minority representative, a Native American representative, a Barnstable County Commissioner, and a Governor's appointee. The board is supported by approximately 35 professionals and an executive director.

This report represents broad areas of the Commission's work and responsibilities, highlighting several specific projects and initiatives.

FISCAL YEAR 2020 APPOINTED REPRESENTATIVES

OFFICERS

Chair: Harold "Woody" Mitchell (Sandwich)

Vice-Chair: Jack McCormack Jr. (Yarmouth)

Secretary: Elizabeth Taylor (Brewster)

MEMBERS

Barnstable: Frederick Chirigotis

Bourne: Stephen Mealy

Chatham: Tom Wilson

Dennis: Richard Roy

Eastham: Joy Brookshire

Falmouth: Charles McCaffery

Harwich: Jacqueline Etsten

Mashpee: Ernest Virgilio

Orleans: Leonard Short (Though April 2020) Douglas Fromm

Provincetown: Cheryl Andrews

Truro: Kevin Grunwald

Wellfleet: Richard Elkin (From November 2019)

County Commissioner: Ronald Bergstrom

Minority Representative: John D. Harris

Native American Representative: David Weeden

Governor's Appointee: Michael Maxim

EXECUTIVE DIRECTOR

Kristy Senatori, Executive Director

508-744-1216 | ksenatori@capecodcommission.org

STAFF (AS OF JUNE 30, 2020)

Erin Perry, Deputy Director

508-744-1236 | eperry@capecodcommission.org

Meghan Boudreau, Executive Assistant

508-744-1218 |

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Madden Bremer, GIS Analyst

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madden.bremer@capecodcommission.org

Siobhan Hickey Cavacco, Administrative Assistant

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siobhan.hickeycavacco@capecodcommission.org

Jennifer Clinton, Special Projects Coordinator

508-744-1211 | jclinton@capecodcommission.org

Sarah Colvin, Communications Manager

508-744-1271 | sarah.colvin@capecodcommission.org

Gail Coyne, Operations Director

508-744-1202 | gcoyne@capecodcommission.org



FY'20

CAPE COD COMMISSION

Patty Daley, Legal and Policy Specialist
508-744-1212 | pdaley@capecodcommission.org

Phil (Jay) Detjens, Applications Manager
508-744-1238 | pdetjens@capecodcommission.org

Lisa Dillon, Commission Clerk
508-744-1209 | ldillon@capecodcommission.org

Danielle Donahue, Special Projects Coordinator
508-744-1249 |
danielle.donahue@capecodcommission.org

Martha Hevenor, Planner II
508-744-1213 | mhevenor@capecodcommission.org

Jonathon Idman, Chief Regulatory Officer
508-744-1260 | jidman@capecodcommission.org

Elisabeth Kellam, Community Design Planner
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elisabeth.kellam@capecodcommission.org

Sarah Korjeff, Planner II (Historic Preservation Specialist)
508-744-1215 | skorjeff@capecodcommission.org

Lev Malakhoff, Transportation Planner
508-744-1229 | lmalakhoff@capecodcommission.org

Maria McCauley, Administration and Finance Manager
508-744-1230 | mmccauley@capecodcommission.org

Heather McElroy, Natural Resources Program Manager
508-744-1217 | hmcclroy@capecodcommission.org

Colleen Medeiros, Transportation Engineer
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colleen.medeiros@capecodcommission.org

David Nolan, Transportation Planner
508-744-1228 | david.nolan@capecodcommission.org

Tara Nye Lewis, Water Resources Analyst
508-744-1234 | tara.lewis@capecodcommission.org

Tim Pasakarnis, Water Resources Analyst
508-744-1214 | tim.pasakarnis@capecodcommission.org

Steven Tupper, Transportation Program Manager
508-744-1232 | stupper@capecodcommission.org

Michele White, Special Projects Coordinator
508-744-1247 |
michele.white@capecodcommission.org

Jessica Wielgus, Commission Counsel
508-744-1207 | jwielgus@capecodcommission.org

NEW STAFF

Lev Malakhoff, Transportation Planner (re-joined part-time, July 2019)

Mallory Kender, Administrative Assistant (August 2019)

Siobhan Hickey Cavacco, Administrative Assistant (September 2019)

Meghan Boudreau, Executive Assistant (November 2019)

Jordan Velozo, Regulatory Officer (July 2019)

Sarah Colvin, Communications Manager (July 2019)

Jessica Rempel, Natural Resources Analyst (November 2019)

Tara Nye Lewis, Water Resources Analyst (February 2020)

Elizabeth Kellam, Community Design Planner (May 2020)

DEPARTURES

Anne McGuire, Executive Assistant (July 2019)

Heather Harper, Chief of Staff (August 2019)

Taree McIntyre, Administrative Assistant (September 2019)

Shawn Goulet, Geospatial Developer (December 2019)

Leslie Richardson, Chief Economic Development Officer (January 2020)

Kristen Clothier, Regulatory Officer (February 2020)

Mario Carloni, Geospatial Developer (January 2020)

Dave Sullivan, Applications Specialist (April 2020)

CAPE COD COMMISSION CELEBRATES 30 YEARS

The Cape Cod Commission was signed into law in January 1990 and ratified in a county-wide vote in March 1990. For the past 30 years, the agency and its 19-member board have worked to uphold and further the region's special natural, coastal, scientific, historical, cultural, architectural, archaeological, recreational, and other values. The act was drafted to be specific enough to address the pressing environmental and development issues at the time of creation, but flexible enough to adapt to changing threats and opportunities.

Three decades ago it would have been difficult to anticipate the threats and challenges 2020 would bring, but the Commission was uniquely positioned to respond. The opportunity to lend economic analysis, planning, and technical assistance to the region's COVID-19 response added new importance and meaning to our mission to keep a special place special.

COVID-19 RESPONSE

OPERATIONS: The Cape Cod Commission moved to remote working conditions in mid-March along with the rest of Barnstable County. Commission staff developed virtual meeting protocols and resumed public hearings with real-time public participation online in April for Commission-related meetings and those of the boards it supports, including the Metropolitan Planning Organization, Joint Transportation Committee, Barnstable County Economic Development Council, Barnstable County Coastal Management Committee, Cape Cod Water Protection Collaborative, and Cape Cod and Islands Water Protection Fund Management Board.

INFORMATION: Working with regional, state, and local partners, the Commission helped develop and maintain several information tools and websites to provide up-to-date information on infections, economic impacts, and other details supporting the Cape's reopening and recovery efforts.

In cooperation with Cape Cod Healthcare and Barnstable County Department of Health and Environment, the Commission launched a COVID-19 Community Alert System dashboard in April showing where and when positive COVID-19 tests were confirmed. Information was presented down to ZIP-code levels and initially updated daily, then multiple times a week. By the end of June, the dashboard received more than 300,000 visits.

The Commission partnered with the Cape Cod Chamber of Commerce on a series of business surveys, including one in April 2020, with additional surveys planned throughout the pandemic to gauge impacts and assist Cape communities with recovery. Staff also worked with the Arts Foundation of Cape Cod to develop an Arts Impact Survey.

TECHNICAL ASSISTANCE AND RELIEF: The Cape Cod Commission received a \$400,000 Coronavirus Aid, Relief, and Economic Security (CARES) Act Recovery Assistance Grant from the US Department of Commerce's Economic Development Administration (EDA) to support efforts to respond and recover from the devastating economic impacts caused by the pandemic and develop strategies to improve resilience in the future.

Executive Director Kristy Senatori was asked to serve on the Cape and Islands Reopening Task Force along with community leaders and the legislative delegation, and in addition, participated in twice-weekly Covid-19 Department Managers meetings, as well as Barnstable County Regional Emergency Planning Committee calls.

The Commission developed a data dashboard (datacapecod.com) to provide demographic and economic data for Cape Cod towns, non-profit organizations, and businesses recovering from the economic impacts of COVID-19. The dashboards include regional and town data where available, on population demographics, unemployment trends, rooms and meals tax revenues, employment, housing, seasonality, and traffic impacts. Staff created a Municipal Planning Strategy Kit as a resource for municipal planners and staff related to COVID-19 and responding to how it is impacting their communities and businesses and assisted with the Reopening Cape Cod Task Force's reopening Cape Cod website, www.reopeningcapecod.org. These resources can be accessed through the COVID-19 resource page on the Commission website, which is regularly updated.

Working with and through the Barnstable County Economic Development Council, a COVID-19-focused round of license plate grants was announced in June, providing grants of up to \$25,000 for economic recovery efforts. These grants were awarded in August 2020.

208 PLAN

An in-depth, peer-reviewed article highlighting the



the community-based process to create Cape Cod's Area-Wide Water Quality Management Plan (208 Plan) was published in December by Ocean and Coastal Management, an international journal dedicated to the study of all aspects of ocean and coastal management. "Designing Solutions for Clean Water on Cape Cod: Engaging issue of impaired coastal water quality on Cape Cod Communities to Improve Decision Making" was written by Cape Cod Commission Deputy Director Erin Perry, along with Stacie Smith of the Consensus Building Institute and Kate Mulvaney of the Environmental Protection Agency.

The article reviews the cutting-edge approach to moving forward on complex, large-landscape natural resource challenges and details the active participation from a broad range of community stakeholders to address the critical issue of impaired coastal water quality on Cape Cod.

As part of the 208 Plan Update reporting, the Commission submitted town compliance reports to MassDEP and the U.S. EPA covering the progress made toward implementation by each of the Cape's 15 towns. These reports were part of the overall implementation Progress Report, which serves as an update on both local and regional progress to implement recommendations since the completion of the 2017 Implementation Report.

CAPE COD AND ISLANDS WATER PROTECTION FUND: The Cape Cod and Islands Water Protection Fund (CCIWPF) is a critical new funding source for local implementation of water quality projects, as well as for the monitoring and modeling that support communities as they evaluate and adapt their plans to ensure success.

Since the collection of revenue began in July 2019, the Fund generated more than \$9m through the end of FY20. The Commission is charged with providing administrative and technical support to the CCIWPF Management Board. The Commission convened the Management Board in May 2019. Over the course of FY20, the Commission facilitated discussions between the Board and the Massachusetts Department of Revenue, the Massachusetts Department of Environmental Protection, and the Massachusetts Clean Water Trust; worked with the Board's Bylaws and Regulations Committee to develop draft bylaws, adopted by the Board in September 2019; and worked with the Bylaws and Regulations Committee to draft regulations for equitable distribution of the funds.

SNEP TECHNICAL ASSISTANCE NETWORK

A collaboration of thirteen organizations, including the Cape Cod Commission, received a \$1.75 million grant from the US Environmental Protection Agency's Southeast New England Program Coastal Watershed Restoration (SNEP). The network brings together regional experts in stormwater management, financing, water quality, habitat restoration, green infrastructure, low-impact development, and environmental restoration to offer a full complement of technical and financial services to municipalities, tribes, and organizations in Southeastern New England. During the network's first year, the Commission contributed to streamlining stormwater consultant selection for communities, a review of local ordinances and bylaws relative to stormwater, a stormwater resources inventory, development of a regional runoff and pollutant load mapping tool, and provided technical assistance to the Pleasant Bay Alliance communities and the Town of Bourne.

ONECAPE SUMMIT

The 2019 OneCape Summit, held over two days in August, brought together more than three hundred local, state, and federal leaders dedicated to strengthening our region and protecting our environment.

Over the course of two days, the Commission's mission to balance environmental protection with economic progress was reflected in plenary sessions, focused discussions, and hands-on learning experiences designed around region-wide efforts to enhance and protect our natural, built, and community systems. The Commission's Executive Director, experts, and Commission staff led sessions on the topics of coastal resiliency, climate change, water quality, and housing.

Day One's environmental focus featured keynote speaker Eric Fisher, WBZ-TV Chief Meteorologist. Fisher led a candid discussion about climate change and weather patterns, noting a troubling warming trend. Massachusetts Undersecretary of Environmental Affairs Daniel Sieger highlighted the state's work to address our most vulnerable areas.

The economy drove discussions on Day Two, with Massachusetts Secretary of Housing and Economic Development Mike Kennealy emphasizing the critical need to continue to address our housing shortage in order to allow for positive economic growth on Cape Cod.

Commission staff demonstrated the new Cape Cod Coastal Planner, a communication and decision-support tool that incorporates data on climate change hazards, adaptation strategies, and implications for local infrastructure and ecosystems.

Former Orleans Selectman Alan McClennan was honored with the 2019 OneCape award for his tireless efforts to improve water quality and work towards wastewater solutions both in the Town of Orleans and across Cape Cod. The OneCape award is given annually for outstanding leadership and dedication to water quality on Cape Cod.

In June, it was decided to postpone the 2020 OneCape Summit due to the pandemic.



Former Orleans Selectman Alan McClennan

CAPE COD CLIMATE INITIATIVE

Cape Cod faces unique challenges due to its geography and geology, historic connection to the sea, and the number of residences, businesses, and critical infrastructure located in its most vulnerable areas. The extent of threats facing the Cape Cod region requires coordinated action and broad community efforts.

The Cape Cod Climate Initiative is a community-focused, information-based effort to inform a strategic framework and collaborative approach to address the region's contributions to and threats from climate change. More than two hundred citizens attended a series of community meetings held in October 2019, providing input regarding planning priorities, concerns, and barriers to moving climate adaptation and mitigation actions forward throughout the region. As a follow-up to these meetings, Commission staff organized five additional facilitated focus groups to dig deeper into the concerns, opportunities, and outcomes identified through the community meetings. The feedback and input from these meetings were analyzed

to shape a broader public process to advance climate change action.

GREENHOUSE GAS INVENTORY

The updated Regional Policy Plan includes planning actions to address challenges facing our natural, built, and community systems. To encourage and engage communities to better understand regional greenhouse gas (GHG) emissions and identify adaptation and mitigation strategies, the Commission is working to develop an estimated baseline of GHG emissions for the region. The inventory proposes to count GHG emissions from six sectors. Once complete, the inventory will provide information to help better understand the impact of potential actions on GHG emissions and will be used as the baseline by which progress on climate mitigation may be measured.

ANALYSIS OF POTENTIAL ELECTRIC VEHICLE CHARGING STATION LOCATIONS

Commission staff identified best practices for siting and design of electric vehicle charging infrastructure, including compiling resources for public and private stakeholder use. This work includes research of EV manufacturer projections, state and national trends, and goals for EV and charging infrastructure adoption, as well as an analysis of future needs for Cape Cod. Commission staff identified the current charging infrastructure on Cape Cod and have incorporated this data into a GIS application which can also help locate areas that can support future charging stations based on vetted siting criteria.

ANALYSIS TO IDENTIFY SITES FOR UTILITY-SCALE SOLAR OR ENERGY STORAGE

Commission staff has identified criteria for land uses and resource areas that are more and less suitable for solar array development. The results of a GIS screening analysis will be available through an online tool illustrating the relative suitability of land and existing land uses for new solar installations.

EVALUATION OF REGULATIONS AND BYLAWS

The Commission received grant funds through the Massachusetts Executive Office of Energy and Environmental Affairs FY20 Planning Assistance Grant Program to identify best land-use practices to promote climate resilience. Work has begun to evaluate existing zoning bylaws and regulations in four partner communities (Bourne, Sandwich, Brewster, and Eastham), and will follow with recommendations to incorporate best practices and the development of a model coastal resiliency bylaw that could be utilized by any coastal community.

CAPE COD COMPLETE COUNT COMMITTEE

The Cape Cod Commission partnered with the Town of Barnstable and Barnstable County to increase awareness about the importance of responding to the 2020 Federal Census.

Two Cape-wide trainings facilitated by the Regional Office of the U.S. Census and staff from the Massachusetts Secretary of the Commonwealth were

held, including one hosted by Secretary of the Commonwealth William Galvin. The Committee and its subcommittees will continue working to identify outreach to hard-to-count populations to ensure a full and accurate count.

Barnstable Town Manager Mark Ells, County Administrator Jack Yunits, and Commission Executive Director Kristy Senatori serve as co-chairs of the Cape Cod Complete Count Committee, which kicked off during this year's OneCape Summit, held in July. This volunteer advisory committee represents a broad cross-section of Cape residents and leaders and brings together those best suited to reach traditionally hard-to-count populations.

Data collected through the 2020 Census will set more than just population estimates for the next 10 years. It will serve as the basis for elected representation, federal and state funding formulas, and program eligibility.

The Complete Count Committee kicked off at the OneCape Summit, held in July 2019.
Back Row, L to R: Bert Jackson, Executive Director, Cape Cod Technology Council, Inc.; Wendy Northcross, Executive Director, Cape Cod Chamber of Commerce; Sean O'Brien, Director, Barnstable County Dept. of Health and Environment; Tom Cahir, Administrator, Cape Cod Regional Transit Authority; Mark Ells, Barnstable Town Manager; Ron Bergstrom, Chairman, Board of Regional Commissioners; Alisa Magnotta, Executive Director, Housing Assistance Corp.; Chris Flanagan, Selectman, Town of Dennis; Heather Harper.



Front Row, L to R: Lynne Poyant, Barnstable Director of Community Services; Lauren Barker, CEO Cape Cod Young Professionals; Jack Yunits, Barnstable County Administrator; Paul Hebert, Barnstable Town Council; John Barr, Massachusetts Secretary of the Commonwealth's Office; Vatsady Sivongxay, Statewide Complete Count Committee Coordinator; Kristy Senatori, Executive Director, Cape Cod Commission; Bridget Burger, Cape Cod Community College, Cape Cod Regional STEM Network; Ann Quirk, Barnstable Town Clerk; and Georgia Lowe, U.S. Census Bureau.

TRANSPORTATION

REGIONAL TRANSPORTATION PLAN APPROVED

The 2020 Regional Transportation Plan (RTP) envisions a regional transportation system that supports the environmental and economic vitality of the region through infrastructure investment that focuses on livability, sustainability, equity, and preservation of the character that makes Cape Cod special. It is the primary means of allocation of federal and state funds for Cape Cod's transportation needs.

The plan was adopted on July 15, 2019, by the Cape Cod Metropolitan Planning Organization.

Residents contributed nearly 500 comments during the public process for the plan. More than two dozen public meetings and outreach events were held, and comments were included in the final draft of the RTP.

The plan examines the Cape's transportation infrastructure through the lens of climate change impacts and works to strengthen our systems to prepare for the future. The RTP recognizes the region's vulnerability to climate change and suggests promoting the use of alternative and renewable fuels, and promoting vehicle technologies to reduce oil dependence, vehicle pollution, and energy use. Strategies that reduce greenhouse gas emissions are also identified.

The plan includes over \$300 million in projects recommended in the draft MassDOT Cape Cod Canal Transportation Study such as the reconfiguration of the Bourne Rotary. The plan also includes over \$820 million for roadways, bridges, sidewalks, and paths in the region and over \$280 million in transit funding.

To view the plan and learn more about transportation planning in the region, visit:
www.capecodcommission.org/rtp.

TRAFFIC AND COVID-19

Staff began to see traffic patterns change following Governor Baker's announcement in mid-March that offices, businesses, and schools were to close. Through March 13, 2020 traffic patterns over the Bourne and Sagamore bridges were fairly normal. Following the Governor's announcement, traffic volumes over both bridges dropped significantly. The downward trend continued through April. Traffic volumes over the Bourne and Sagamore bridges were down 48 percent compared to the previous year.

Traffic counters installed at several key locations saw changes as well: a 47 percent drop on Route 6 eastbound east of Exit 5, a 25 percent drop at Route 124 and Queen Anne Road in Harwich, a 40 percent drop at the Wellfleet/Eastham town line, and a 38 percent drop at Route 28 and Lumbert Mill Road in Barnstable.

CAPE COD CANAL BRIDGES

Cape Cod Commission staff shared its regional planning work, contributed data on population and visitation to the Army Corps' initial studies, and served as technical advisors on plans to replace the vehicle bridges over the Canal. The Commission also works closely with the Massachusetts Department of Transportation, which will be leading efforts to connect the new bridges to existing roadways.

The next phase of the project, expected to begin soon, includes the evaluation of bridge type, design, and location as well as funding strategies for the two new bridges.

MASHPEE ROTARY PROJECT

In June, Cape Cod Commission staff completed the Mashpee Rotary Corridor Study and issued a final report.

The study included a comprehensive analysis of existing and future conditions and a robust public outreach plan. Public feedback on existing issues and potential alternatives was solicited during public meetings held in April 2019 and December 2019.

Public feedback on the alternatives placed an emphasis on maintaining the circular intersection with minor signage and striping improvements along with incorporating multi-modal accommodations, known as the Rotary Retrofit alternative.

Cape Cod Commission staff coordinated with the Town of Mashpee and the Massachusetts Department of Transportation (MassDOT) to initiate the next steps of implementation for a future rotary retrofit and shared use path project.



FY'20



PLANNING & COMMUNITY DESIGN

\$1M RESILIENCY GRANT

The Commission sought and was awarded a \$1 million grant through the United States Department of Commerce's Economic Development Administration (EDA) that will fund the development and implementation of a multi-pronged planning initiative to help address Barnstable County's vulnerability to storm-induced impacts.

This major investment from the EDA will help the Cape Cod region devise and implement long-term economic recovery strategies and identify and plan for future economic challenges. This project aims to provide data and information that allows communities to better prepare for and respond to impacts, develop a framework for improving resiliency, and create tools to promote better local decisions regarding critical vulnerable assets.

CAPE COD COASTAL PLANNER

The Cape Cod Commission and its partners launched the Cape Cod Coastal Planner in the fall of 2019. The planner is a map-based communication and decision-support tool to help residents and decision-makers understand the relative environmental and socio-economic effects of implementing adaptation strategies to address sea-level rise, storm surge, and erosion. The tool integrates research on potential adaptation strategies for Cape Cod communities and how ecosystem services are impacted by hazards and strategy selection. Cape Cod Coastal Planner's development was also informed by an extensive stakeholder process, integrating feedback from potential users across the region, and tested through a pilot project with the Town of Barnstable.

ARTS AND CULTURE GUIDE

The Commission released "Leveraging Cultural Assets in Economic Development on Cape Cod," a report on best practices and lessons learned for integrating the creative sector into commerce, in early 2020. The guide is intended to inspire collaboration and strategic planning, elevate successful projects throughout the region, and strengthen the ties between our arts and economy. This is a ten-year update to a 2009 guide that provided guidance on how to design initiatives that maximize communities' cultural assets for economic development. Commission staff also worked with the towns of Wellfleet and Orleans to create cultural asset inventories.

WEST HARWICH DISTRICT OF CRITICAL PLANNING CONCERN

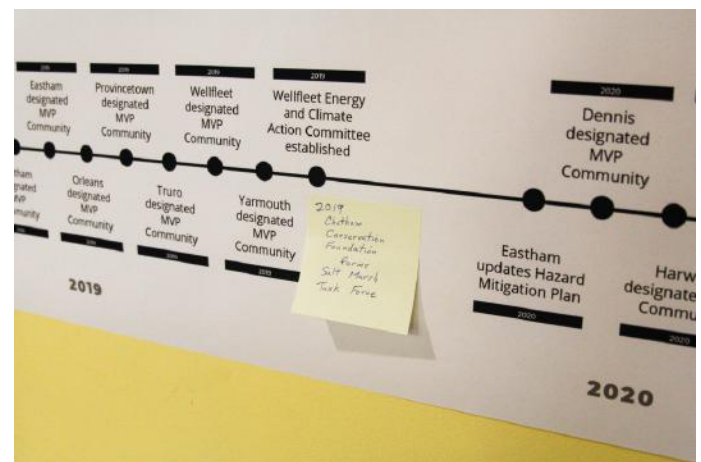
The Town of Harwich sought the designation of a portion of Route 28 from the Dennis town line District of Critical Planning Concern to allow time to create new regulations that will protect those sensitive and vulnerable resources, as well as address transportation safety concerns in the corridor, without pressure from development proposals. The district encompasses more than 20 significant historical structures dating as far back as the mid-1700s and serves as a gateway and local economic hub for the town of Harwich.

The DCPC nomination was approved by the Cape Cod Commission board, Assembly of Delegates, and Barnstable County Board of Regional Commissioners.

Town of Harwich staff was working with board members and constituents to develop and implement new regulations for the district, which are expected to be completed by the end of 2020.

MUNICIPAL VULNERABILITY PREPAREDNESS (MVP) PROGRAM

In 2019 and 2020, the Commission assisted seven Cape Cod towns with the MVP planning process to identify climate change impacts and vulnerabilities and develop and prioritize strategies or actions to address those vulnerabilities. By June 2020, all 15 Cape towns were designated MVP communities. As a result, these communities will have access to state funding to implement identified actions, such as improving education and communication, addressing low-lying roads, land changing development regulations in the floodplain. Commission staff are assisting Cape towns with the preparation of grant proposals to access state funding sources and advance their MVP plans.





ECONOMIC DEVELOPMENT

COMPREHENSIVE ECONOMIC DEVELOPMENT STRATEGY APPROVED

Working together with the Barnstable County Economic Development Council and stakeholders throughout the region an update to the Comprehensive Economic Development Strategy (CEDS) was approved by the U.S Economic Development Administration in fall of 2019. The CEDS is a tactical economic development plan consistent with the growth policy and goals of the Regional Policy Plan.



It provides a vision for the future and a framework for collaborative action.

The document includes a comprehensive summary of the region's economy, including identifying regional strengths and weaknesses as well as opportunities and challenges; a five-year action plan; and a framework for evaluating progress on plan implementation. The CEDS was submitted to the US EDA in June 2019 after approval by the Barnstable County EDC. The CEDS is available at: www.capecodcommission.org/ceds.

LICENSE PLATE GRANT PROGRAM

The Cape Cod License Plate grant program focuses on regional priorities for economic development, determined annually, that align with implementation of the region's CEDS. Barnstable County has typically distributed license plate funds through major grants and micro-grants.

The Barnstable County Economic Development Council is responsible for determining grant priorities, reviewing grant proposals, and making funding recommendations to the Barnstable County Commissioners for grant awards.

During the initial micro-grant round in fall 2019, three organizations were awarded \$10,000 grants: the Town of Yarmouth, FORWARD - Friends or Relatives with Autism and Related Disabilities, and WCAI – the Local National Public Radio Station for the Cape, Coast & Island.

In March 2020, the BCEDC voted unanimously to award \$150,000 major license plate grant to a joint proposal from the Association to Preserve Cape Cod (APCC) and the Housing Assistance Corporation (HAC). APCC and HAC will work together on a two-year project to identify areas where the development of housing and protection of priority natural resource areas would be most beneficial.

In June, a new round of grants of up to \$25,000 each was announced to support COVID-19 recovery and resiliency efforts.

ECONOMIC ASSESSMENT OF HARBORS

The Commission is collaborating with Urban Harbors Institute to assess the economic impact of harbors on the local and regional economy. An assessment survey developed by the Commission asks local business owners about their awareness of and investments related to climate change, specifically flooding- or erosion-related damage. Results of the assessment will be used to illustrate the value of harbors to the local economy and to encourage local support for maintenance and capital improvements to ensure the vitality and functioning of the Cape's harbors.

REGULATORY

Through its Regulatory Program, the Cape Cod Commission reviews projects that present regional issues identified in the Act, including water quality,



traffic flow, community character, affordable housing, open space, natural resources, and economic development as Developments of Regional Impact (DRIs).

DECISIONS

Barnstable

Excel Switching Corp Facilities, Barnstable, Extension, Approved, 9/19/19

Tractor Supply, Hyannis, DRI, Approved, 2/6/20

Hyannis Chapter H Modification, Barnstable, Approved, 6/11/20

Bourne

Canal Street Crossing, Bourne, DRI Decision, Approved, 7/11/19

True Storage Redevelopment, Bourne, DRI Decision, Approved, 7/25/19

Falmouth

Woods Hole Oceanographic Institution - New Quissett Facility, Falmouth, DRI Decision, Approved, 11/14/19

Sandwich

AMP Energy, Sandwich, DRI, Approved, 5/14/20

Wellfleet

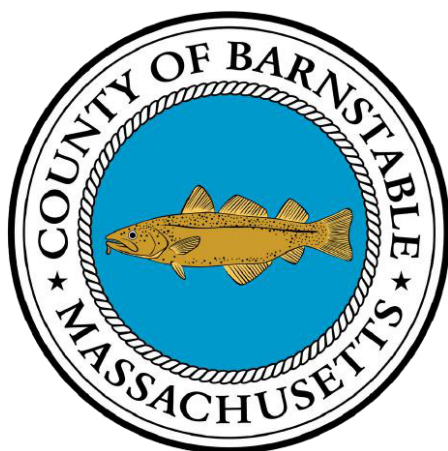
Chequessett Yacht and Country Club, Wellfleet, DRI Exemption, Approved, 4/16/20

Herring River Restoration Project, Wellfleet, Approved, 6/11/20



FY'20

Report of the CAPE COD COOPERATIVE EXTENSION





FY'20

CAPE COD COOPERATIVE EXTENSION

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REPORT OF THE CAPE COD COOPERATIVE EXTENSION

For the Period July 1, 2019 and ending June 30, 2020

ABOUT THE CAPE COD COOPERATIVE EXTENSION

Cape Cod Cooperative Extension was established in Barnstable County in 1916. Extension's educational programs focus on agriculture, marine resources, horticulture, aquaculture, shellfish management, natural resources, tickborne disease, water quality, recycling, household hazardous waste, nutrition, food safety, youth development, and environmental education. The mission of Cape Cod Cooperative Extension is to improve the health, well-being, and security of youth, families, and communities; conserve and enhance natural resources, and strengthen agriculture and food systems. We fulfill our mission by utilizing the research and teaching capacity of the University of Massachusetts Amherst and Woods Hole Oceanographic Institution Sea Grant program to generate and communicate knowledge while creating approaches, methods, and tools for solving problems. Extension links the Massachusetts land grant university with a larger community of people in collaborative partnerships to address issues of fundamental importance to the people of Barnstable County.

An Act of Congress formed Cooperative Extension nationally in 1914 as a three-way partnership. The three partners were the land-grant university in each state (such as UMass Amherst in Massachusetts), the federal government (through the United States Department of Agriculture), and local government (through Barnstable County). Through the use of workshops, conferences, field demonstrations, technical assistance, radio, television, the Internet, and more, Extension brings an objective, research-based and credible information people can use every day to improve their lives.

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4-H PROGRAM

COVID-19 presented many challenges to our Barnstable County 4-H clubs and programming in FY21. However, the creativity that evolved out of the pandemic was amazing: Sewing clubs made hundreds of surgical masks for medical and veterinary staff, both on and off Cape Cod. Zoom meetings were held. Weekly e-newsletters were also sent out to keep spirits high and give the 4-H members suggestions and ideas of things to do virtually.



AGRICULTURE & HORTICULTURE PROGRAM

Cape Cod Cooperative Extension's Agriculture and Horticulture Program provides educational programs and serves as a resource for unbiased research-based information for industry professionals, municipalities, and the public. Agriculture and horticulture are important components of Barnstable County's economy. Agricultural commodities alone have a market value of more than \$10,000,000 in Barnstable County. Agriculture and horticulture are also vital to residents and visitors providing food, jobs, recreation, and beauty; essentials to our tourist-based economy. The program for stakeholders has increased dramatically.

The agriculture and horticulture program offers Barnstable County citizens, professionals, and municipalities education enabling them to make sustainable and environmentally sound land management decisions. The program offers a diverse number of educational opportunities including conferences, multi-week classes, presentations, and hands-on education. In FY 2020 educational programs were severely impacted by covid-19 resulting in far fewer programs than usual, about a dozen programs were implemented prior to mid-March.

The agriculture and horticulture program serves as a resource for unbiased research-based information. The program provides these services to the public through the aid of trained volunteers, and Master Gardeners. The Master Gardeners help operate many of the agriculture and horticulture activities and outreach.

The more than 200 Master Gardener volunteers provide approximately 7000 hours of volunteer work, a value of more than \$185,000. In FY 2020, twenty new Master Gardeners were recruited and trained. The Horticulture Clinic which is typically staffed by Master Gardeners provides citizens with an opportunity to get horticulture questions answered, soil tested, and plants and pests identified. In FY 2020, hundreds of clients used the service to get reliable unbiased research-based information developed at our Land Grant Universities.

The agriculture and horticulture programs also serve as a resource for industry professionals and municipalities. These services include site visits, publications, and diagnostic services. In FY 2020 more than 30 site visits were conducted, providing municipalities and industry professionals with technical expertise and guidance.

The agriculture and horticulture program monitors for agriculture and horticulture pests and provides this

information to industry professionals through several UMass Extension publications including the UMass Landscape Message. The UMass Landscape Message provides detailed weather and scouting reports that enable local professionals to make informed pest management decisions based on Integrated Pest Management (IPM), the reports are provided weekly April-June, bi-weekly in March and September, and monthly from October – December. The agriculture and horticulture program continues to be a reliable resource for trusted information for the public, industry professionals, and municipalities.

COASTAL PROCESSES

Over the last year, technical assistance on coastal processes has been provided in the form of 35 site visits (typically with associated GIS analysis and follow-up written reports) on issues relating to coastal bank stabilization, beach grass for erosion control, proposed revetment construction on coastal banks, and dune restoration.

The combined assessed value of the provided information to make sound management decisions was over 105 million dollars (308 site visits totaling over 1.1 billion dollars since 2009). 25 site visits (valued at \$100,000) were conducted in 12 Barnstable County towns (Bourne, Brewster, Chatham, Dennis, Eastham, Falmouth, Harwich, Orleans, Provincetown, Truro, Wellfleet, & Yarmouth) in addition to several other towns throughout Massachusetts. Additional direct outreach has been provided in nine presentations to 382 people total (over 8,500 reached in 181 presentations since 2009).

A wide range of audiences has been reached from congressional staffers to conservation commissions, to town officials, to Audubon, to town

boards/commissions, to high school students, to homeowners associations. The number of in-person presentations is greatly reduced as well as the yearly conference is canceled due to concerns over COVID; however, online support for stakeholders has increased dramatically.

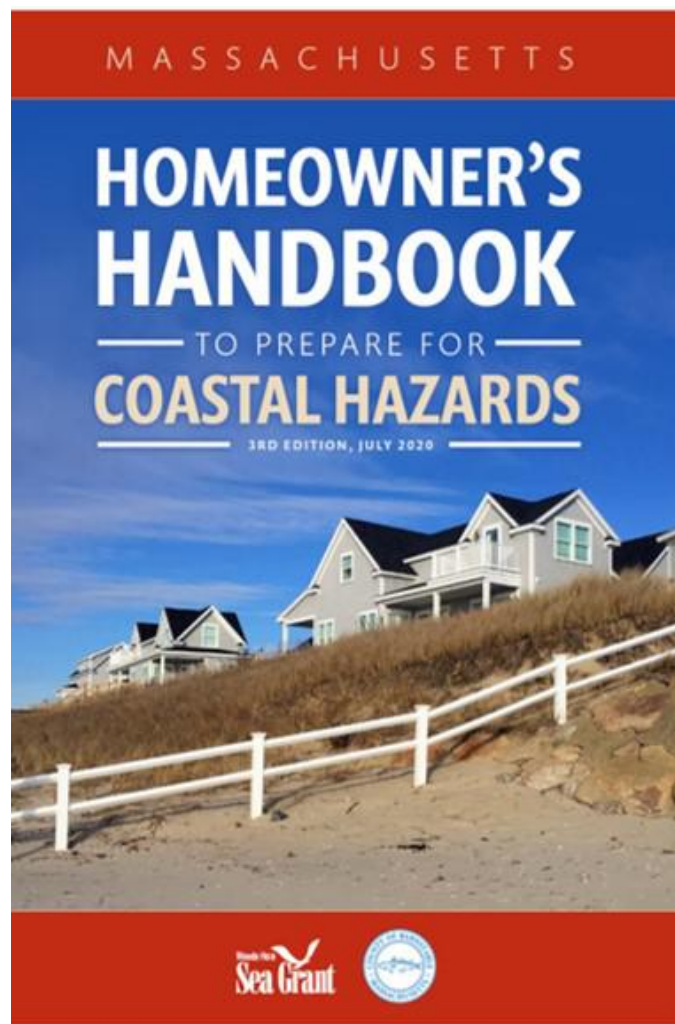
The images to the right show beach grass planted last year were buried under up to 3' of compatible beach sand. This study should provide essential management information regarding the survivability of newly planted culms of beach grass, for example, if burial after initial planting were encouraged by coastal managers.



Four months of beach grass growth through varying levels of sand burial.

This year the Massachusetts Homeowner's Handbook to Prepare for Coastal Hazards was updated to a third edition, with a full redesign and revised with the most current information, links, graphics, and references to recent storms. It also provides more information on climate change and resiliency to help citizens plan, prepare, and mitigate the impacts of more extreme storms. The handbook will be distributed in the Fall of 2020 and is currently available on the webpage

www.capecodextension.org/coastalprocesses/publications/



Cover of the Massachusetts Homeowner's Handbook To Prepare For Coastal Hazards – 3rd Edition.

MARINE PROGRAM

Cape Cod Cooperative Extension's Marine Program works with industry, municipalities and the public to be a resource for educational programs and an unbiased research-based source of information. Fisheries and aquaculture products are an integral part of Barnstable County's economy providing millions of dollars in economic activity and a traditional source of employment. FY20 highlights of the Marine Program include:

- Successfully leveraged funding from the county, state, and towns to support a seed bid program providing over 18 million quahog seeds, 2000 bags of oyster remote set, and 2 million oyster seeds to the towns of Barnstable County.

- Worked with the town of Brewster Dept of Natural Resources to assess and ultimately affirm sustainability of current razor clam harvest techniques.

- Barnstable County's Cooperative Extension office remains the administrator of SEMAC (SouthEastern MA Aquaculture Center), and Marine Program staff oversee and administrate its activities and programs. The Center is directed by a 13-member board of directors and received \$37.5K in support from the Massachusetts Department of Agricultural Resources in FY20 for direct industry assistance.



Barnstable County intern Andrew Curran (center) with Brewster Natural Resources Officer Ryan Burch (left) and Josh Reitsma overlooking the razor clam experiment site



Responding to questions about quahog mortality.



FY'20

CAPE COD COOPERATIVE EXTENSION



Harriet Booth evaluates new water quality equipment

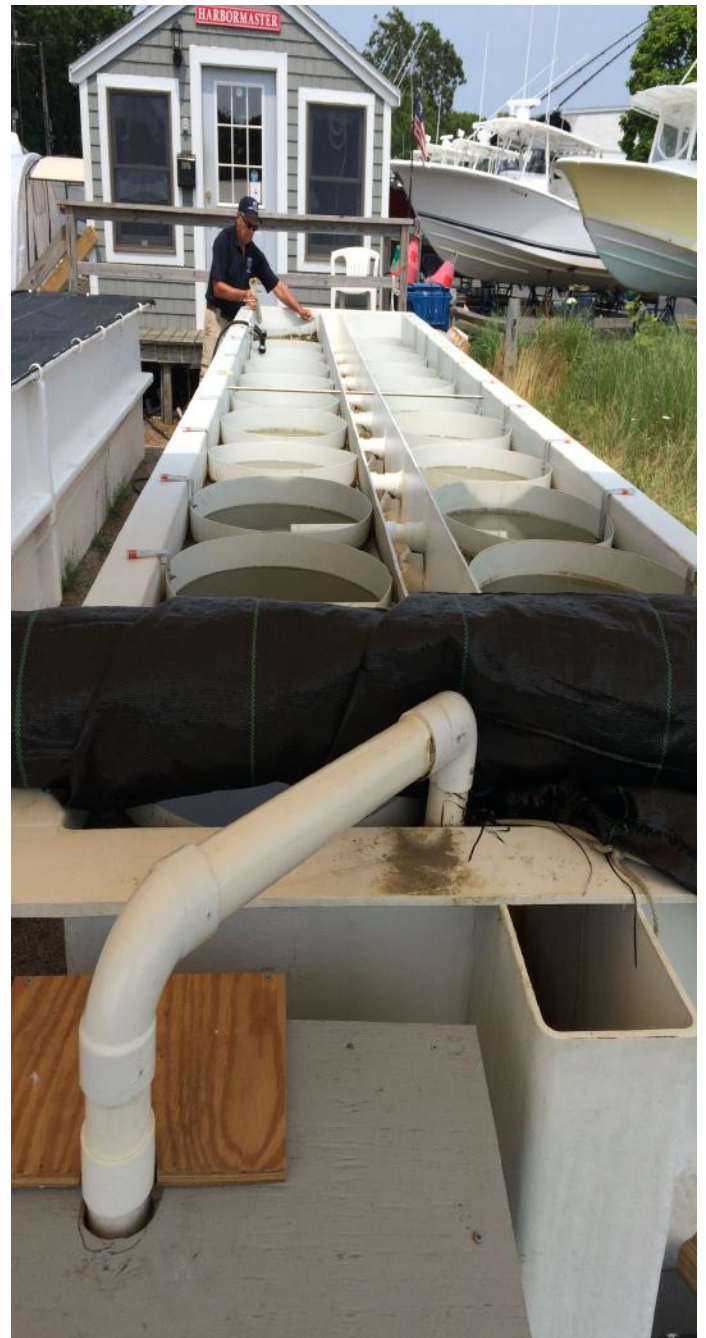
With support from SEMAC and industry, the water quality monitoring program using the long-term deployment of instrumentation at five locations: Cotuit Bay, Barnstable Harbor, Duxbury Bay, Wellfleet Harbor, and Pleasant Bay in Orleans was continued. In addition, funding was received from a state grant program to purchase replacements for aging equipment and to add instrumentation capable of measuring acidification in Cape Cod water bodies.

- The seventeenth year of shellfish habitat assessment data was collected at 4 sites around the Cape providing baseline data for shellfish resource managers and industry members to compare against.
- Marine Program staff maintained a network of shellfish disease (veterinary disease) monitoring stations which included over 30 participating shellfish growers and 4 wild shellfish sites. This monitoring is designed to collect information on disease occurrence, prevalence, intensity, and seasonality to better understand potential impacts throughout Barnstable County.
- Marine Program staff assisted the Town of Harwich and the Division of Marine Fisheries with collecting data from an electronic fish counter on the Herring River at the Bells Neck Conservation area. The data on the numbers of river herring that move upstream here is used by the state to track progress toward population recovery goals.

- Herring Wardens in Barnstable County participate in the River Herring Network, a group coordinated by

Marine Program staff that brings in speakers from UMASS Amherst, and federal and state agencies to talk about the latest research and management decisions that affect local stewardship efforts in river herring runs

- COVID-19 has caused a significant impact on many sectors of the economy and the loss of sales for the oyster aquaculture industry has been dramatic, the industry typically does in excess of \$10M in sales within Barnstable County alone. The Marine Program was awarded \$100k in "rapid response" funds from Sea Grant to implement a program targeting alternative markets for oysters while also providing high-quality protein to folks in need.



Upweller system for millions of quahog seed

TICKS AND ENTOMOLOGY

The tick outreach program has a branded theme “One Bite Can Change Your Life”. Printed materials (rack cards and tick tattoos) were distributed to libraries and Council on Aging Centers. Outreach efforts are conducted through a variety of media. 118 workshops/events were conducted at libraries, town halls, senior centers, community centers, middle schools, and for groups such as AmeriCorps, the Master Gardener Program, Sportsman’s Clubs, Conservation Land Trusts, National Seashore, Army Corps, Cape Cod Community College, County facilities department and Garden Clubs. The tick extension program was also covered extensively via newspaper articles and radio interviews. Workshops are also offered for backyard horticulture, pollination ecology, insect evolution, and entomophagy—edible insects. A PSA was recorded for cable channel 99 on the Asian longhorn tick, a potential invasive species. The Extension Tick and Entomology program remains a publicly accessible resource for insect identification and control recommendations.

FLOODPLAIN MANAGEMENT AND COMMUNITY RATING SYSTEM

All Barnstable County towns have received technical assistance for basic floodplain management and the Community Rating System (CRS). Nine towns are now in the CRS program, with eight completing annual reverification and one (Provincetown) passing a 5-year audit that earned an increase in a discount from 5% to 10%. Bourne continued to work with the Federal Emergency Management Agency (FEMA) to pass the primary stage for eligibility for CRS participation. Falmouth had a pre-application meeting with FEMA, and Falmouth and Dennis are now on FEMA’s waiting list to be reviewed for eligibility. Barnstable County communities in the CRS are currently saving 3,000 policyholders \$450,000 annually. Total savings since the creation of the program in 2015 are \$1.8 million. Technical assistance was provided for floodplain management and resilience (building codes/floodplain regulations, flood insurance, flood maps, historic structures in floodplains, grants, etc.) 190 times for 600 community officials, residents, businesses, and organizations. The floodplain program offered 4 training for 122 community officials and relevant professionals and provided 11.5 continuing education credits for Certified Floodplain Managers®. Outreach was provided to 700 people in the form of 12 presentations and organized events for local elected officials and staff, businesses, and the public.

The first Barnstable County Coastal Resources Subcommittee was held, staffed by the CCCE Floodplain Specialist. Note that typical early and late spring training was not scheduled due to COVID-19, and many presentation opportunities did not happen because of the pandemic.



The Dennis Municipal Vulnerability Preparedness workshop is co-hosted by the Town of Dennis, Cape Cod Commission, and Cape Cod Cooperative Extension.

Projects included the creation of a model floodplain bylaw (ongoing), storm tide pathways mapping for Cape Cod Bay shorelines (ongoing), a video training for the Cape Cod and Islands Association of Realtors, Municipal Vulnerability Preparedness workshops, and continued work with communities on historic structures in floodplains.

**MUNICIPAL ASSISTANCE COORDINATOR**

This role entails comprehensive and continued knowledge of the Cape and Island's sustainable solid waste systems. Including; diversion programs containing solid waste, recycling, and composting, alternative recycling and diversion programs, and technical assistance for state funding through grant opportunities. Response to municipal trash programs meeting the needs of the residents, providing environmental justice, and identifying the economic needs of the communities in which this position serves.

Summary of 2019: Participation in active solid waste and recycling committees, held 4 quarterly QR meetings (Cape and Islands Solid Waste Professional's Quarterly Review-these meetings allow for all of the solid waste professionals to get together in one room and talk about challenges, upcoming events, solutions, and possible program ideas that the communities are seeking), participated in continuing education forums/conferences/webinars, collaboration with multiple organizations across the Cape and Islands (Cape Cod Commission, Cape Cod Commercial Fishermen's Alliance, SEMASS/Covanta to name a few), multi-media interviews- radio, local TV, and print, public recycling presentations to vast groups including; students/schools, recycling members, town officials, curious residents, select-boards, and BOH's. Continued monthly communication with the state DEP and my colleagues in the field. Grant technical assistance, implementation of alternative grant programs: boat shrink wrap, Christmas lights, mattresses, PGA. New local waste bans- plastic bags, straws, single-use bottles, and takeout containers/Styrofoam.

This position continues to grow and requires professional development opportunities and continued education. The position is autonomous to the person holding it and serves the Cape and Islands in the needs of solid waste disposal/diversion infrastructure. Continued work with the Cape Cod Commission and the Barnstable County Health Department for a regional solution for sustainable management of our waste materials is leading to an RFP in the Spring of 2020. A presentation of importance to the environmental justice, economic savings and development, as well as the needs and response to the communities of the Cape and Islands is being prepared for the Commissioner's and the Assembly is forthcoming. Below is an outline of the work over the 2019 year.

JANUARY

- Fall/Winter edition of Ebb and Flow Cape Cod. Contributed to this issue's "The Problems with Recycling" article.
- First visit to the Elizabeth Islands, Gosnold for a presentation to the Selectboard on recycling grant programs being offered by MassDEP. An introduction of my role and of how I can be of assistance to the islands trash, recycling, and composting needs. As well as, alternative solutions specific to the island.
- Participated in the MMA (Mass Municipal Assoc.) conference in Boston at the DEP booth providing information to municipal representatives on grant programs offered by the state.
- Held a public forum trash sort demonstration at the Yarmouth Community Center to show how much recycling winds up in our household trash.
- Christmas light recycling program collection ends at all 15 municipal drop-off locations- collaboration with AmeriCorps and Ferreira Recycling in Yarmouth
- First of the year, 2019 grant expectations and possible changes to the guidelines held in Mashpee e.

FEBRUARY

- Assisted the County Procurement Officer on an RFP for a County bid for Recycling Services
- Closed out 23 municipal Solid Waste & Recycling Surveys for the FY20 grant season
- Presented program updates to the Assembly of Delegates
- Participated in the Roundtable for OSHA standards for public employees
- Held 3 public recycling info. forums at community centers across the Cape
- Met with 2 school districts for recycling presentation to high school students
- Introduction to Cape Cod Commercial Fisherman's Alliance on a ghost gear (derelict fishing gear left in the harbors and oceans) recycling project
- Met with the Sandwich High Environmental team and set up a recycling workshop for the students in the high school and STEM program

MARCH

- Participated in the Cape Cod Commission's CEDS working group "Infrastructure"
- Met with WHOI and Covanta on a boat shrink wrap recycling program for the spring

- Participated in the Care fo Cape and Islands Summit workgroups on litter issues, building relationships with businesses and new media for education campaigns

- County recycling RFP released

- Second QR meeting held in Truro on 2019 grant program offerings

- Interview with WCAI on recycling programs on the Cape- how are we healing from the National Sword

- The Town of Dennis applied for a grant to process glass into a glass aggregate meeting with the sub-committee on grant template, expectations, and planning

- Met with each of my communities for grant prep and RDP prep-the goal is to have all 23 municipalities qualify for RDP funds.

APRIL

- Invited to the Barnstable high school trash-fashion show, as a VIP guest following a recycling presentation to the fashion class in Mid-Feb.

- Interview on single-use plastics with WCAI

- Boat shrink wrap program prep cont. program to begin in Mid-April

- 2,000 pounds of Christmas lights were recycled from Nov. 2018 to Jan. 2019

- Year 2 of the latex paint recycling program continues as part of a grant program funded by MassDEP

- SMRP grant opens for 2019 grant season- including RDP funded by MassDEP

- Boat shrink wrap training with AmeriCorps members, and a film crew to prepare a PSA on proper prep for recycling boat shrink wrap at the 3 assigned drop-off locations

MAY

- Program reviews- latex paint, year 2.

- Boat shrink wrap year 2

- Public recycling workshops

- School presentations

- Municipal Assistance Coordinator joined Upper Cape Tech High School Environmental Tech Committee

- Ribbon cutting for the Dennis Processed Glass Aggregate program! Two state officials and DEP members were present for the opening- additional funds secured through the statehouse to help support the program.

- Orleans presentation on PAYT program opportunities to the Selectboard and BOH

- Cape Cod Commission CEDS review.

JUNE

- Interview on the Jack Peak Show- Peak Time on Lower Cape TV

- SMRP grants closed

- 3rd QR meeting in Yarmouth, how was the grant process, what are the needs of the communities moving forward

- 3 public forum presentations on recycling/State of the Cape and Market Conditions

- Ribbon cutting, Coonamesset Farm, AD opening for farm composting

- Boat shrink wrap recycling program closes

- Mashpee begins the Recycling IQ kit grant program- an education campaign to tackle contaminants in the recycling compactors at the drop-off.

JULY

- WCAI interview- municipal bans on single-use plastic bottles (water only) with Sustainable Practices

- Sandwich IQ kit meeting- they would like to join their counterpart Mashpee in an education campaign at the drop-off on contaminants

- 3.6 tons of boat shrink wrap was recycled from April to June!

- Composting presentation at Cotuit Library

- Call with County Administrator- regional solutions for sustainable solid waste management

AUGUST

- Four presentations, OSHA, composting, PAYT, and recycling forum

- Roundtable meeting on OSHA pilot program- how to rewrite job descriptions to meet the new safety protocols

- Covanta stakeholder meeting on hazardous materials

- Attended the Commissioner's meeting- fact check for



FY'20

CAPE COD COOPERATIVE EXTENSION

presentation on single-use plastic bottle ban presented by a Cape non-profit

- Project on best management practices for school recycling programs
- Meeting on RDP changes for the year 2020- what is working and what doesn't for the umbrella of communities who are applying for grants
- PFAS becomes an active conversation in new takeout containers/water contaminates
- Tornadoes hit 3 Cape towns in Aug.!
- Meeting with Commission on regional solutions planning for solid waste management.

SEPTEMBER

- QR meeting on debris management- DEP speaker, a speaker from the Mayor's office, and our own County CRS person in Barnstable
- TV interview with Bill's Bullpen on recycling and the State of the Cape
- Continued conversation with the Town of Orleans on PAYT
- Meeting with Commission on regional solutions planning for solid waste management
- A look at the glass program updates in Dennis- so far, 600 tons of glass collected from 4 municipalities
- RDP funds are announced and released- SE1 district, Cape and Islands, 22 communities earned \$217,700 up from \$158,800 in 2018 and \$93,300 in 2017!
- Follow-up with Sandwich HS recycling program, composting in the cafeteria is going well for the 3rd month.

OCTOBER

- Article in the Cape Cod Chronicle- recommendations to the Orleans recycling program
- Presentation on composting at the Barnstable Community Center
- Call WCAI for an interview on grant outcomes for 2019
- Presentation to the Martha's Vineyard Commissioners meeting- grants and opportunities by working together regionally
- Cape Cod safety meeting- what can drop-off centers do to protect the staff, vendors, and public from harm
- Orleans is continuing to push the town to adopt PAYT

- Island composting on MV- meeting with a private contractor and public non-profit on a collection of town-wide food for composting- possible grant funds available?

- Meeting with Commission on regional solutions planning for solid waste management

- Close of year 2 latex paint program- meeting on non-funded year 3

NOVEMBER

- Meeting with AmeriCorps member, Christmas light recycling program
- Orleans IQ kit meeting- would like to have an education campaign on contaminates in the compactors
- Meeting with Commission on regional solutions planning for solid waste management
- Lunch and Learn at WHOI, State of the Cape- recycling updates from 2018
- Meeting on ghost gear with Covanta – is there grant opportunities for this program? Specific to gillnets
- Meeting with Nutrition Specialist at the Extension- food insecurity, composting, food waste hierarchy- are their local solutions to the problem?
- 2019 SMRP grants, in addition to RDP the Cape and Islands towns applied for and received \$299,463 in sustainable grant funds for new recycling programs, including a regional mattress recycling program in Eastham to include 4 other towns

DECEMBER

- Interview with WCAI, grants, and Christmas lights program for the 2019/2020 winter season
- Tour Mass Development- a reuse facility on furniture for families, schools, and non-profits
- Year-end wrap-up: New programs implemented- Dennis regional PGA, Eastham regional Mattress recycling. Year two programs- latex paint recycling 72.6 tons of paint recycled!!! Christmas light recycling, 2,000 pounds recycled in year 2. Year three programs- Boat shrink wrap recycling, in year three, 3.6 tons were collected and recycled!
- \$517,163 in grant funds were received by the Cape and Island communities in 2019.

WATER QUALITY AND HAZARDOUS MATERIALS

The mission of the program area is to protect Cape Cod's largely unconfined, sole source aquifer from chemical contamination by providing education, assistance, and services to residents.

Under the umbrella of the Barnstable County Hazardous Materials Program, several initiatives operated in FY'20 including the Sharps Collection, Flares Collection, Mercury Collection, and the Household and Small Business Hazardous Waste Collection. In response to the pandemic 3 of the 24 scheduled, Household Hazardous Waste events were canceled; however, the pandemic has not hampered any program areas except for WET Festival. The HMES is grateful to all the volunteers and partners who made the programs successful.



C. Laurent, DPW director & Police officer (Mashpee HHW, August 2020)

The BCHMP is partnered with all 15 Cape Cod towns, water and fire districts, and MA State Police Bomb Squad to provide regional services to residents. Go to www.LoveYourLocalWater.org for more information. Further, the Hazardous Materials Environmental Specialist (HMES) provided municipal assistance to towns, fire and water districts in Barnstable and Dukes County.

The program partnered with AmeriCorps Cape Cod to provide WET Festivals to school children across the county in the fall and winter, teaching 3-6 graders about Cape Cod's aquifer, water conservation, wastewater processes, pollution prevention, and the fisheries. WET Festival was canceled for the spring, in response to the global pandemic. A virtual WET Festival is in the works. Additionally, the program partnered with AmeriCorps Cape Cod to provide a virtual 'Water Festival,' with numerous stakeholders represented. Find out more about both initiatives at www.capecodgroundwater.org.

The HMES is the team leader for the Groundwater Guardians, sits on the Executive Committee for the Cape Cod Hoarding Task Force, and on the Advisory Committee for Barnstable High School Environmental Science and Technology program, and serves on the Strategic Sourcing Team FAC110 for Operational Services Division for the Commonwealth, and the Communications Committee for the North American Hazardous Materials Managers Association.



Ashton, MartinStericycle @ HHW event (Barnstable, August 2020), and Vonnice at HHW event (Barnstable, June 2020)

In other news: The HMES provided a one-hour workshop on Disaster Debris and Hazardous Waste at the North American Hazardous Materials Management Association (NAHMMA) Conference in Denver, CO. Further, the HMES provided a one-hour national webinar on 'HHW in the times of COVID' for NAHMMA. The HMES completed a 15-hour OSHA training on Transitioning to Safer Chemicals at the Toxics Use Reduction Institute at UMass Lowell. The HMES facilitated a Water Quality & Hazardous Waste Roundtable at Barnstable County that was attended by all 15 towns, MA DEP, and other stakeholders.

The towns all agreed they supported a year-round fixed facility for the collection and disposal of hazardous chemicals on Cape Cod. Subsequently, the HMES submitted a grant to the MA DEP for an initial funding of a fixed facility for hazardous waste collection. In 2020, the HMES refreshed their HAZWOPER 40.



Stericycle @ HHW event (Barnstable, August 2020)

NUTRITION AND FOOD SAFETY EDUCATION

Two nutrition lessons were held for 13 adults total at Community Corrections in Hyannis to provide basic life skills to low-level offenders. This group would otherwise be incarcerated or may have served a term of incarceration and are returning to the community.

Approximately 2,220 educational contacts have been made with youth, parents, and school staff through SNAP-Ed programming focused on healthy eating through cooking demonstrations, activities, presentations, and educational displays: open houses, Field Day, parent workshops, and other special events.

A total of 313 school-aged children, 19 faculty and staff, and 35 preschoolers have participated in single sessions and a series of SNAP-Ed nutrition lessons. 880 students in three schools have experienced monthly cafeteria tastings promoting the Food Explorer program (pre-COVID). Forty-nine parents attended workshops regarding nutrition and healthy cooking with young children. Supplemental enrichment activities and newsletters have been distributed to staff and families pre- and post-COVID in virtual formats including newsletters and learn-from-home resources.

Students as part of the 21st Century Grant program at Hyannis West Elementary School participated in a series of lessons connecting fresh, seasonal produce to the preparation and sampling of healthful recipes utilizing that produce.

Approximately 120 school-aged students in Cape Cod Child Development participated in a garden and nutrition series offered in the three school-aged centers as part of summer programs offered.

Approximately 590 clients, staff, and volunteers were reached through SNAP-Ed displays/cooking demonstrations and lessons at food pantries, Community Health Center, and the Transitional Assistance Office (TAO). Two SNAP-Ed pieces of training reached a total of 19 TAO staff.

119 older adults participated in presentations and cooking demonstrations as part of the Brown Bag Nutrition Distribution Program in Yarmouth, Barnstable, and Mashpee. Additional materials were provided remotely due to COVID restrictions (spring/summer 2020).

Twelve seniors participated in Healthy Eating for Successful Living in Older Adults, a 6-week evidence-based program offered in collaboration with Elder Services of Cape Cod and the Islands.

Seven ServSafe food safety certification courses have reached 152 individuals in the food service industry, fulfilling the Food Code requirements set forth by the Massachusetts Department of Public Health.

Four food safety workshops were held for a total of 99 food service employees, dietetic interns, school food service staff, and teens in the YMCA Achievers Program. Training covers the basics of safe food handling

techniques. Two Pantry Food Safety Workshops were held for 20 food pantry volunteers. This training is recognized by the Greater Boston Food Bank in order to receive food bank donations.

The food safety educator attended a train the trainer course offered by UMass Amherst. The Successful Food Production for New Food Businesses: Managing Food Quality and Safety program will subsequently be offered by Extension staff in Barnstable County.

Food pantry clients have been reached through cooking demonstrations and health screenings through Foods to Encourage (F2E), a collaborative project through Cape Cod Hunger Network, and technical support through Barnstable County.

Harvest for the Hungry started to create connections between farmers, home gardeners, and area food pantries with the goal of providing increased access to fresh, locally grown produce via donations efforts. More than 600 pounds of sweet potatoes and butternut squash were donated to area food pantries

Collaborated with Horticulturist on the distribution of approximately 1000 Master Gardener vegetable seedlings during COVID pandemic connecting food-producing plants to the food insecure through school meal distribution sites, food pantries, senior centers, etc.

A display and nutrition information for diabetics was presented as part of the YMCA's Diabetes Awareness Day event. Nutrition educator sits on the Chronic Disease Prevention Committee with other local health professionals at the local YMCA.

Nutrition educators collaborated with Cape Cod Municipal Health Group to offer municipal employees a hybrid virtual/in-person workshop highlighting the health benefits of eating from the rainbow.

Educators presented nutrition and food safety information, displays, and demos at various community events: Harwich COA Girl Power intergenerational wellness programs, Cape Cod Toy Library, Harvest Festival, and the Barnstable County Fair.

Food for Thought, a monthly electronic child nutrition newsletter has been distributed to parents and elementary school staff. Currently, there are 774 subscribers to this newsletter.

Nutrition educators acted as preceptors in community nutrition rotations; providing guidance, practical experience, and training to five Dietetic Interns in collaboration with Delicious Living Nutrition. These experiences contribute to the 1200 hours of post-graduate supervised practice required by the Commission of Dietetic Registration of all Dietetic Interns before taking board exams.

Nutrition educator currently participates in MA Partnership for Food Safety Education and MA Food System Collaborative meetings, co-chairs the Cape Cod Hunger Network to support the work of the local food pantries, and sits on the BC Health and Human Services Advisory Council to represent the Cape Cod Hunger Network.

As part of the Buy Fresh Buy Local (BFBL) program, nutrition educators participated in various projects (refer to BFBL annual report below) and events highlighting local food.

BUY FRESH BUY LOCAL

The mission of Buy Fresh Buy Local Cape Cod is to connect people and businesses on the Cape with locally grown farm and sea products. Over 35,000 member guides, bumper stickers, and magnets have been distributed through area farmers' markets, food-related community events, and health and fitness businesses. To reach over 6600 followers on social media we continue to expand on a comprehensive digital marketing campaign that integrates daily posts, video, and graphics materials. The 2020 goals were to 1) Continue to promote locally grown products as distinct and of higher quality than non-local products with an enhanced branding campaign, and 2) Expand education and engagement in the Cape Cod local food system. To achieve these goals, BFBLLCC focused on initiatives that would evolve a successful branding campaign of products to build upon the expanded customer base created through nutritional assistance programs, welcome local seafood products in the Buy Fresh family, and leverage strategic partnerships with community businesses and agencies to collaborate on workshops and events promoting the positive outcomes gained by engaging in the local food system. Due to the challenges imposed by the pandemic, BFBLLCC pivoted goals from educational outreach events to informing, frequent communications via social media, BFBLLCC's Covid web page, and branded newsletter. The addition of the grant-funded Project Coordinator allowed the overall 2020 campaign initiatives to smoothly transition into primarily digital content that was promoted and updated on a daily basis.

Part-Time Project Coordinator:

The goal of the part-time program coordinator was to provide assistance and resources for the continued growth and sustainability of BFBLLCC, a program that has increased its membership by 400% since its inception in 2008. With the pandemic causing food shortages at grocery stores and interrupting food access across the county, the Project Coordinator assisted in creating and improving the communications between members, food and social service agencies, and the public. With changes happening daily, the Project Coordinator assists in gathering and updating the content for the digital BFBLLCC Covid Food Guide, a Covid food access web page featuring updates to every food pantry in the county as well as student meal pick-up sites, and weekly



newsletters to both members and the public.

Considering the duress of the food situation for the public, most notably the vulnerable populations on Cape Cod, this position provided the support needed to maintain direct and personal communications with BFBLC members and food service agencies, and communicate daily updates to consumers. To date, the materials created with the help and support of the Coordinator have been accessed and downloaded by over 1,000 users.

Point-of-Sale Materials- Stickers, brochures, magnets, paper bags:

To evolve our successful regional brand for Cape Cod local food, BFBLC collaborated with the Cape Cod Fisherman's Alliance and their extensive connection with local seafood markets to design and distribute branded ice spears as the point-of-sale identifier of local seafood species. The ice spears allow consumers to identify local seafood at retail markets and expand awareness of the Cape Cod local food system, a system rooted in both land and sea products. Ice spears were distributed to seven fish markets, and retail market managers report that these ice spears are attracting the attention of the consumer to buy local fish and shellfish. The addition of identifying HIP and SNAP retailers within materials assisted our members in reaching the expanded customer base created through the nutrition incentive programs. Additional outreach efforts included Shop Local Promotions and four advertisements in Edible Cape Cod magazine. With the pandemic and ban on reusable bags, BFBLC recognized that farmers' market vendors would need assistance in replacing the popular banned product with a biodegradable option. 20,000 branded paper grocery bags, funded through the MA Department of Agricultural Resources (MDAR), were purchased by BFBLC and distributed to farms and markets. These bags successfully filled the gap in vendor-provided bags. Farmers' Market vendors benefited from a product that served as a practical packaging product and as a marketing tool.

Seed to Plate and Home Preservation Workshop Series:

In addition to our branded materials and local seafood initiatives, the free Seed To Plate Virtual Workshop tapped into the Cape Cod Cooperative Extension's network of nutrition educators, agriculture educators, Master Gardeners, and dietetic interns to guide attendees on growing, harvesting, and using fresh foods. Senior Centers assisted in outreach and promotion of the handout and video. Extension nutrition educators

offered recipes and tip sheets on growing and using fresh produce that was prepared by Master Gardeners. Dietetic interns prepared a cooking demonstration video which also highlighted the BFBLC guide and use of SNAP-EBT and HIP at local farmers' markets and farm stands. Pickup sites were organized to distribute the Earthbox Junior Kit, a bag of complete soil, seedlings, and seed packets for subsequent planting to registered attendees. For many, this was the first introduction to home gardening and storing fresh food. Four additional Earthbox Junior kits were provided to H.O.W. (Helping Our Women), a non-profit that helps women navigate through chronic illness and disease. During the distribution of the materials, attendees were asked about their experience with the virtual series and expectations of growing food at home:

"I just want to thank you all for providing this great Junior Garden Kit. Although I am a "senior", I have never been a gardener. Between working many jobs at the same time and lack of knowledge, I tended to kill everything I attempted to grow. Today I planted the junior garden kit and followed the directions to a T so hopefully, it will be productive. And if not, it was fun. So thank you for providing the kit and enabling this opportunity".

Digital Cooking Video - Pantry to Plate:

To expand on a comprehensive visual marketing campaign and integrate video content, we continue to build on our successful library of short cooking videos, highlighting local food, to be distributed across social media digital/mobile platforms such as Facebook and websites. To continue collaborations with our local social service agencies and continue to provide enjoyable educational content to the expanded customer base created through HIP and SNAP, 2020 grant funding provided resources to produce an additional six cooking videos to enhance the Food Explorer program, an existing UMass Extension SNAP-Ed project in local public school systems, aimed at increasing student exposure to different local fruits and vegetables. The Cooperative Extension nutrition educator, familiar with the program, chose six easy-to-purchase local products (apples, carrots, green beans, cranberries, leafy greens, strawberries) and produced digital cooking videos featuring school-aged children preparing simple recipes and snacks utilizing the chosen fruit or vegetable as well as provide resources on purchasing the highlighted produce at local farm stands and farmers' markets. The flexibility in the distribution of the video across digital platforms allows for easy promotion and use by other state Buy Local, social service agencies, and schools. This is an efficient educational tool that ties into current

distant learning resources utilized by schools during the pandemic.

Winter Pop-Up Shop and Networking Series:

At a time of year when outdoor farmers' markets and stands are closed for the season, the Holiday Shop Event offered 2500 consumers the opportunity to purchase seasonally-available produce, value-added products made with local produce, and connect with a local farmer. Although BFBLC could not continue other planned events into the winter and spring season, the Holiday Shop Event provided an additional source of income for BFBLC members, promoted networking, and supported the building of relationships between producers and consumers. Although the series could not continue into the 2020 winter season, the ongoing relationship with Love.Live.Local has allowed BFBLC members to benefit from the collaborative marketing efforts and digital outreach campaigns that continue to promote local businesses during the pandemic.



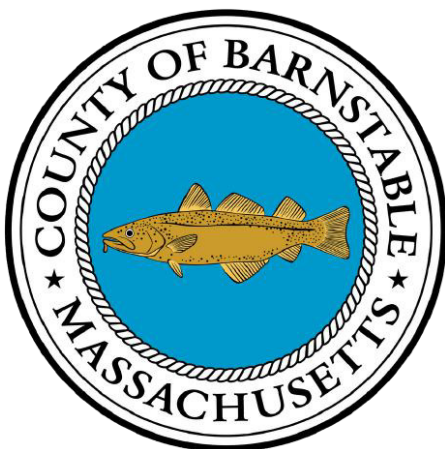
FY'20



FY'20

CHILDREN'S COVE

Report of the **CHILDREN'S COVE: THE CAPE & ISLANDS CHILD ADVOCACY CENTER**



CHILDREN'S COVE: THE CAPE & ISLANDS CHILD ADVOCACY CENTER

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REPORT OF CHILDREN'S COVE

For the Period July 1, 2019 and ending June 30, 2020

Children's Cove is a unique collaborative effort between partner agencies including Barnstable County, the Cape and Islands District Attorney's Office, the Department of Children and Families, the Department of Mental Health and Cape Cod Health Care. We are one of twelve Child Advocacy Centers (CAC) in Massachusetts and over 900 nationally. We offer a safe, welcoming place for children to go if there is a concern that they have been sexually abused, severely physically abused, been witness to domestic violence, sexually exploited, or victims of human trafficking. We bring together all the professionals in the field who have made it their life's work to help. We treat each child with respect, care, and compassion and make it possible for the trauma to stop and the healing to begin.

Children's Cove has proven for over the last twenty-three years that taking a regional approach to helping vulnerable, abused children brings the best out in every agency involved in the recovery of the victim and the prosecution of the offender. As pioneers of a groundbreaking collaborative regional approach, Children's Cove has gained statewide and national attention as a model organization with programs that have been replicated on a broader scale.

Children's Cove is a fully operational and accredited Child Advocacy Center with the National Children's Alliance in Washington DC whose components include the Sexual Abuse Intervention Network (SAIN) Team, (the investigatory piece of the program); the medical exam, with a Sexual Assault Nurse Examiner (SANE) which utilizes a state of the art technology to utilize evidentiary images in court proceedings; case tracking and team review; family advocacy; specialized therapeutic referrals; case coordination, and education and training. Children's Cove completed its reaccreditation process in July of 2019 meeting all standards and criteria for national accreditation (which can be reviewed [here](#).)

Children's Cove serves the same jurisdictional zones at the District Attorney's Office for the Cape & Islands, as well as the Department of Children and Families. This includes the fifteen towns of Cape Cod, the six towns on Martha's Vineyard, and Nantucket. Children's Cove also works collaboratively with each police department in these areas and the Massachusetts State Police. Children's Cove provides forensic interviews and support services if the abuse is thought to have occurred within the jurisdictional area of Cape Cod and the Islands of Martha's Vineyard and Nantucket. The alleged victim may be from the age of two years old to the age of seventeen years old or older depending on cognitive and developmental ability. Children's Cove also provides services to any aged person with intellectual and/or developmental disabilities.

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Prior to the COVID-19 outbreak, the statistics were horrifying enough: one in four girls -- and one in six boys -- will be sexually abused before their 18th birthday. Most victims suffer in silence as it is estimated that more than 90 percent of abuse victims never report what happened to them. Even more alarming, more than 90 percent of perpetrators are someone that an abused child knows and trusts -- a coach, camp counselor, teacher, someone in their faith community, or a family member. If, and when, child victims of sexual abuse disclose, it is to a safe adult who in most instances, are obligated and required by law to report it. Mandated reporters in Massachusetts, include a wide range of professionals, but most notably teachers, coaches, therapists, guidance councils, and pastors of their faith community. With school, sports, and public gatherings canceled, so were child victims' access to those resources. In Massachusetts, reports to law enforcement, the Department of Children and Families, and Child Advocacy Centers since the outbreak of the COVID-19 pandemic dropped to an all-time low. This is most concerning for us, as we've seen a reversal in trends we have seen over the last several years. For the first time in the last four years, we have seen a significant decline in referrals for services.

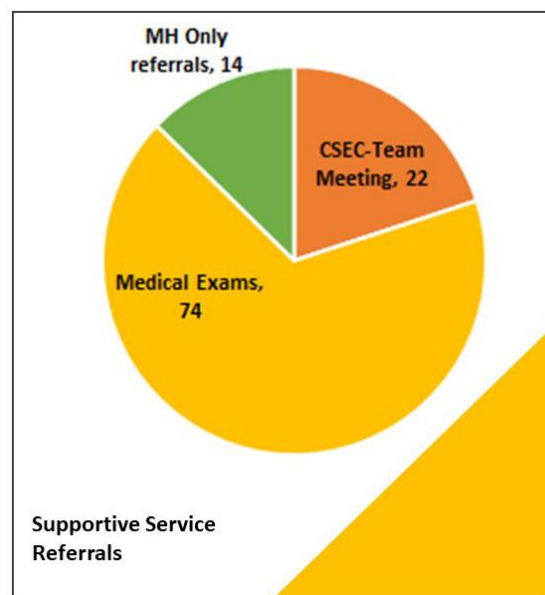
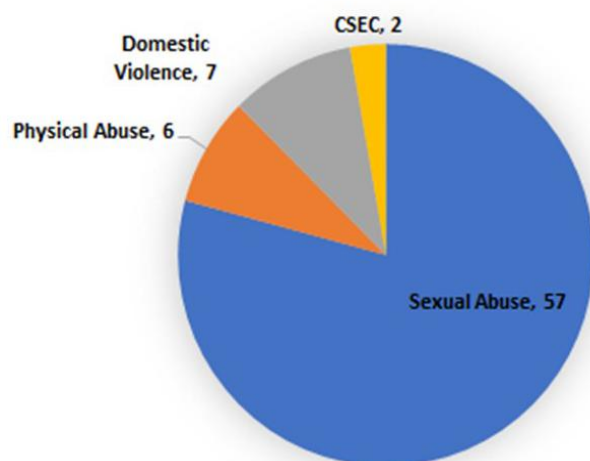
During the twelve-month period of July 1, 2019 -- June 30, 2020, 110 individuals were referred for services, and 72 of the 110 were provided with forensic interviews at Children's Cove. This is a 32% decrease in referrals with a 42% decrease in forensic interviews as compared to FY2019.

With the COVID-19 pandemic impacting our referrals, we utilized the time we had to offer safe and alternative means for children to be able to provide statements through evidenced-based forensic-interviews.

We adapted previously existing and add new technology to our building to be able to provide socially distanced, or physically separate forensic interviews. We have incorporated a means for the multi-disciplinary team and investigative team members to observe the forensic interview remotely via encrypted and safe technology platforms. We also implemented additional health and safety screening questions and increased access to handwashing stations, personal protective equipment, and cleaning supplies to staff members as well as visitors.

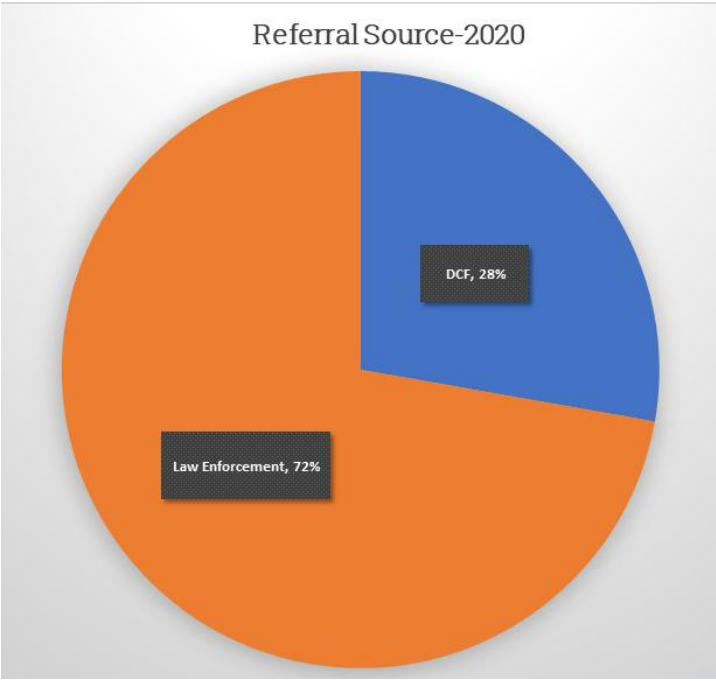
The total referrals for interviews and investigation, as well as supportive services. Are listed below:

Forensic Interviews

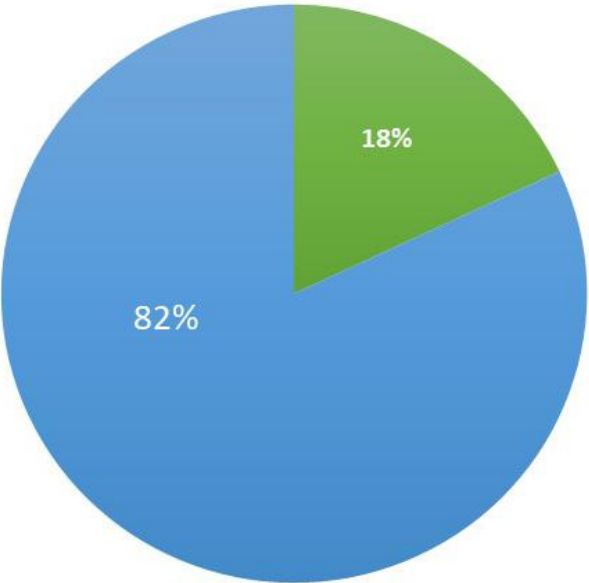


Children's Cove received referrals for forensic interviews in the amount of twenty (20) cases from the Department of Children and Families, and fifty-two (52) from law enforcement.

Referral Source-2020

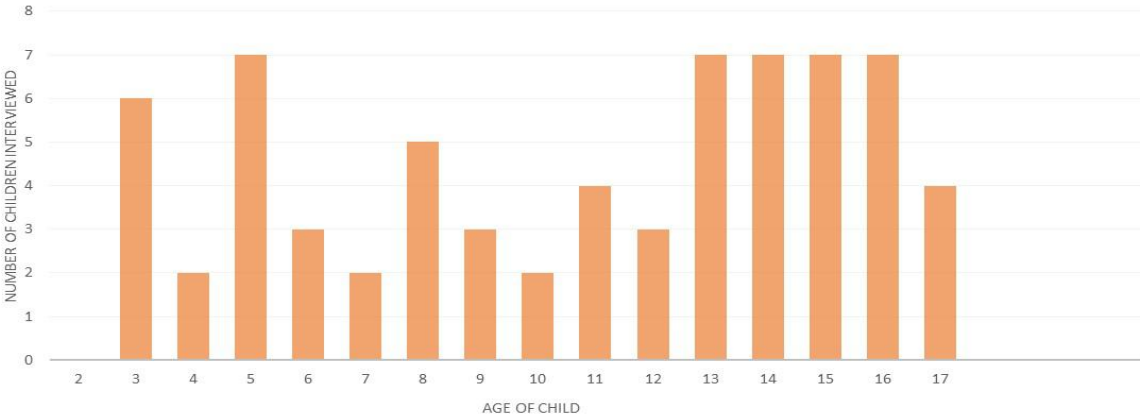


Identified Gender of Person Served



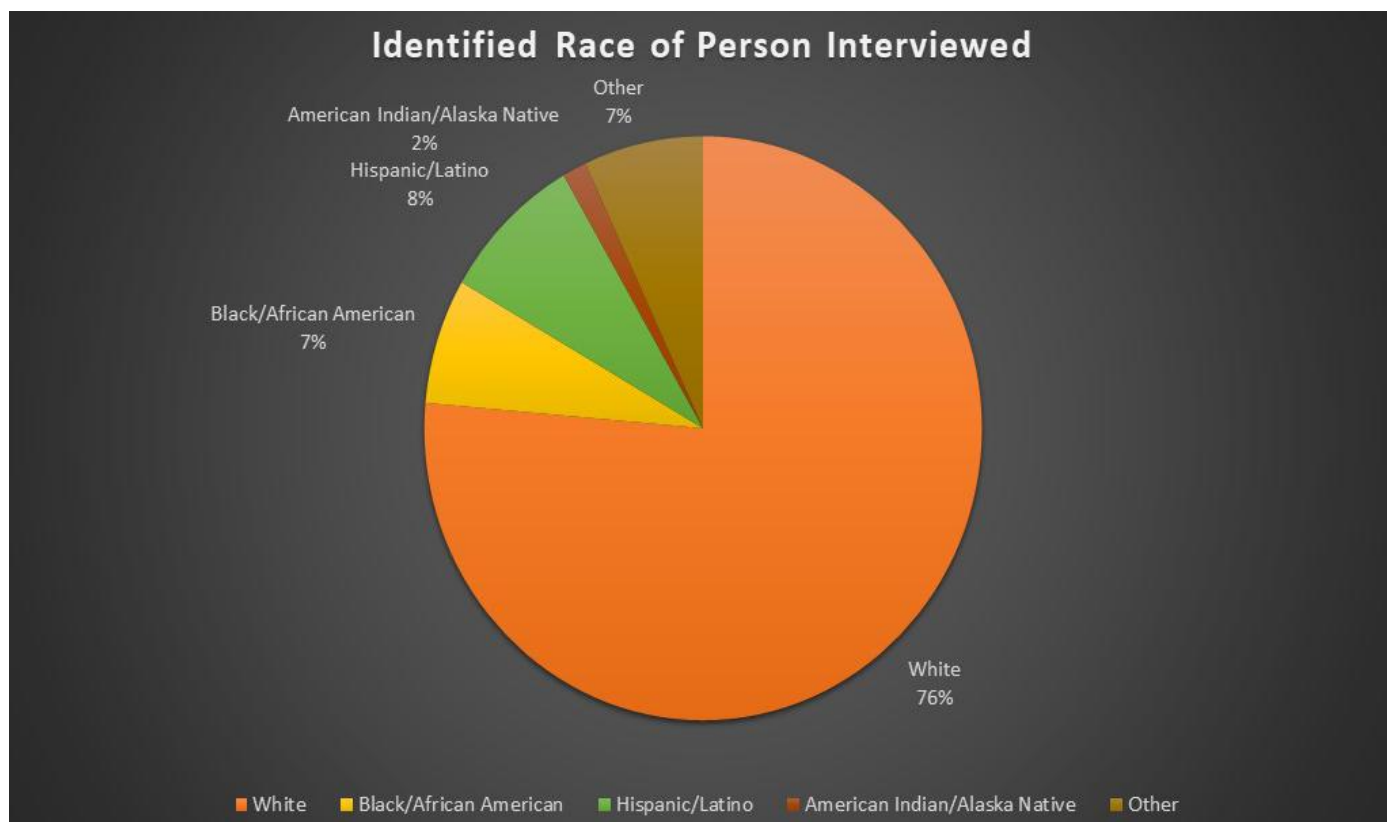
For the 72 individuals referred to Children's Cove for forensic interviews, 82% of victims identified as female and 18% identified as male.

Age of Children Interviewed



Of the 72 individuals referred for forensic interviews, Children's Cove interviewed and provided support to a wide age range:

The demographics of individuals served at Children's Cove falls on trend with the general demographics of the region:



SUPPORTIVE SERVICES:

The forensic interview is the best-practice approach to interviews with children. It is also only a portion of the services Children's Cove provide. Our team works to ensure that child victims have access to high-quality, free and supportive services to support the healing process.

It is the goal of the Nurse Practitioner/Pedi SANE to provide comprehensive, compassionate care to child victims and their families. All children referred to the Children's Cove are offered timely, non-invasive, medical examinations with the consent of their parents at no cost. These exams are provided by the Nurse Practitioner/Pedi SANE on-site in the medical suite. Medical examinations were provided for 74 during the reporting period children. This is a 10% increase from FY19 and it allows for a reasonable deduction that without the impacts of COVID-19, the need for the medical exam is rising.

Children's Cove Mental Health Program utilizes a Mental Health Coordinator on staff to refer children and families to appropriate, trauma-informed providers throughout the Cape and Islands to provide these much-needed services.

The Trauma-Informed Provider Network (TIP Network) is currently comprised of more than 70 Cape and Islands therapists who have agreements with Children's Cove to provide specialized clinical services. Children's Cove, in turn, provides ongoing training, learning collaborative workshops, and referrals to these selected providers. This program was created out of the need to regionalize therapeutic services for children and families throughout the Cape and Islands. In instances when a parent/caregiver has concerns that a child may have been a victim of abuse but has not yet disclosed any abuse, our Mental Health Program can work with families to identify appropriate clinical services to provide support. These community-based referrals may make it easier for children to develop a relationship with an established clinician and start the path to healing. In the past year, 14 mental health-only support referrals were made to TIPNet providers in the community, a 54% decrease from FY2019. This decrease is also thought to be attributed to the lack of interaction with children and their families by providers in the community due to the COVID-19 pandemic.



In addition to these services, Children's Cove provides ongoing follow-up and advocacy for the children and families served and assists in the connection to meaningful activities and support. Our Family Advocate works with the family to identify needs and community resources and helps the family navigate any systems as part of the investigation in a non-stigmatizing and confidential way. Our Family Advocate also works in conjunction with the Cape & Islands District Attorney's Office Victim Witness Assistants to provide additional support for court cases. Beyond the support for court and community services, our Family Advocacy program works with community partners to relieve additional burdens they may experience due to the financial and other impacts caused by trauma. In 2019 our Family Advocacy program directly supports 37 children with back-to-school backpacks and supplies, 30 children with winter coats, 8 families will full Thanksgiving meals, and 37 families and over 80 children with gifts and financial support for the holiday season.

As part of the Massachusetts Child Welfare Trafficking Grant, Children's Cove implemented an initiative to educate the community, law enforcement, and human service agencies about the Commercial Sexual Exploitation of Children (CSEC.) After the awarding of this grant, Children's Cove formed an advisory board, and multidisciplinary steering committee to develop the CSEC response protocol for the Cape and the Islands. This protocol was enacted in the Fall of 2016 and Children's Cove provided direct outreach and education to law enforcement, DCF, and other service and medical providers throughout the Cape & Islands.

With increased coordination across the region by our CSEC Case Manager, 22 multi-disciplinary response meetings took place regarding risks and concerns for children potentially being exploited. This number remained steady with the previous year, with an increase in forensic interviews of potentially exploited children.

Children's Cove strives to help educate the community on issues surrounding child abuse including members of the community, law enforcement, prosecutors, emergency medical providers, firefighters and child protection professionals. Children's Cove utilizes a variety of awareness campaigns, including radio ads, news

articles, social media, and public service announcements as part of its outreach to the community regarding child sexual abuse.

Children's Cove has also worked to increase education around sexual abuse, assault, and exploitation in local high schools through the Teen TASK (Taking A Stand for Kids) Program. In the 2019-2020 academic year Children's Cove was operating the program in three regional high schools (Monomoy, Mashpee, and Nauset.) The program was suspended shortly after the onset of the COVID-19 pandemic with the suspension of after-school and extra-curricular activities.

In June of 2019, Children's Cove was again awarded a grant through the AmeriCorps Volunteers in Service to America (VISTA) Program and retained the same volunteer. The position was modified to provide more support in the community impact elements of our work, transitioning roles to a Community Program Coordinator. Over the course of the year, an increase in community events by volunteers to support our Family Advocacy program directly impacted those we served. The Community Programs Coordinator also provided support to the Teen TASK Force program and outreach in local high schools. Unfortunately, due to the COVID-19 pandemic, the AmeriCorps VISTA Program was discontinued for FY2021 due to the uncertainty of the ability to meet the obligations of the program.

Children's Cove has continued to use a state-wide education curriculum developed in partnership with the Massachusetts Children's Alliance, statewide Child Advocacy Centers, the Department of Children and Families, and contributors from prosecutors, medical professionals, and mental health professionals. This curriculum was developed to provide an evidence-based, best-practice approach to recognizing and responding to child abuse. Utilizing this curriculum, the Children's Cove Community Education and Outreach program provided training to more than two dozen organizations and 900 individuals.

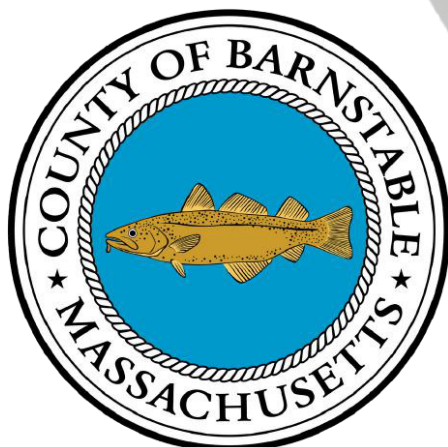


FY'20

BARNSTABLE COUNTY DREDGE

Report of the

**BARNSTABLE COUNTY
DREDGE**



BARNSTABLE COUNTY DREDGE COD FISH I, COD FISH II & THE SAND SHIFTER

Superior Court House

P.O. Box 427

Barnstable, MA 02630

REPORT OF BARNSTABLE COUNTY DREDGE

For the Period July 1, 2019 and ending June 30, 2020



Sand Shifter Conducting Dredge Operations on Dead Neck – Sampson's Island, Cotuit for the Town of Barnstable

ADMINISTRATION

Ken Cirillo, Dredge Department Administrator

508.375.3655 | kenneth.cirillo@barnstablecounty.org

STAFF

Jason Bevis, Superintendent

Richard Randall, Maintenance Engineer

Tanner Dailey, Site Foreman

Christopher Armstrong, Leverman

Cory Fleming, Leverman

Andrew Dipietro, Deckhand

Chris Wiinikainen, Deckhand

BACKGROUND

In 1993 Barnstable County conducted a needs assessment and cost-benefit analysis of operating a municipal dredge program on behalf of the towns. This report documented that a County operated maintenance-dredging program would be both beneficial to the towns and cost-effective to operate. The County and its legislative delegation approached the Massachusetts Department of Environmental Management (DEM) and requested financial assistance in the form of a \$1 million capital grant for the purchase of a dredge and ancillary equipment. Prior to this grant, the state was responsible for funding 75% of the cost of municipal dredge projects and the town was responsible for the remaining 25%. However, funding constraints at the state level meant that much of the dredge work was not completed on a timely basis or was never accomplished. As stipulated in the Grant Agreement, the provision of a capital grant replaces the state funding for municipal dredge projects here on the Cape.



INTRODUCTION

The mission of the Barnstable County Dredge program is to improve the recreational, environmental, and economic value of our changing coastline and estuaries while achieving cost savings for municipalities on Cape Cod.

The County Dredge Program is critical for our region because it helps maintain the changing coastal landscape while protecting its environmental and economic vitality in addition to offering each town significant cost savings.

Demand for dredging on Cape Cod has increased in recent years due to climate change implications and the availability of additional state grant funding for projects.

The dredging “season” typically runs from October to mid-June and is subject to time of year restrictions, ranging from protecting winter flounder to piping plovers as well as summer tourism.

The program experienced impediments to its schedule over the past three years due to several breakdowns of one of its dredges. This year, the coronavirus pandemic also impacted the end of the winter schedule.

COMPLETED DREDGE PROJECTS

The following projects were completed this season totaling 87,579 Cubic Yards of dredge material to nourish beaches as well as maintain each town's navigable channels.

BARN STABLE COUNTY DREDGE PROGRAM COMPLETED PROJECTS & VOLUMES 2019-2020 DREDGE SEASON (FY2020)		
TOWN	PROJECT	VOLUME (CY)
Barnstable	Phase 2 DNSI	31,870
Chatham	Mill Creek	6,231
Dennis	Sesuit Harbor	14,842
Falmouth	Eel River	4,622
Falmouth	Inner Harbor & Embayment	1,684
Falmouth	Green Pond	1,851
Falmouth	Great Pond	530
Harwich	Allen Harbor	6,074
Harwich	Wychemere Harbor	1,751
Mashpee	Poppensett Entrance Channel	3,471
Truro	Pamet Approach & Inner Channel; Mooring Basin	14,653
TOTAL	11 PROJECTS	87,579



Dredge-Leverman Chris Armstrong working the controls onboard the Sand Shifter

THE COUNTY DREDGE FLEET

The Cod Fish was originally purchased in 1996 and has done most of the dredge work on Cape Cod. A second dredge, the Sand Shifter was added in 2017, and a third dredge the Cod Fish II was purchased in 2019, both from Ellicott Dredges. In addition, several work skiffs are also in operation.

In addition to the reduced rates for dredging services, the County conducts pre and post-dredge surveys at a cost of approximately \$6,000 per project. This additional service is invaluable for records in the event of a damaging hurricane or other weather events for submission to the Federal Emergency Management Agency (FEMA) as documentation of storm damages and funding reimbursements.

In total, over the past 23 years, the County dredges have removed approximately 2.1 million cubic yards of material from 289 projects. 95% of that material went to rebuilding the beaches around Cape Cod. The County Dredge program on average provides dredge services at a rate of 65% below the market rate.

THE FISCAL STATUS

The operating revenue for FY2020 was \$940,823. As of June 30, 2020 the dredge enterprise account has a reserve fund balance of \$308,041. The purpose of the reserve fund balance is to establish a fund to replace the dredge and other dredge related purchases.

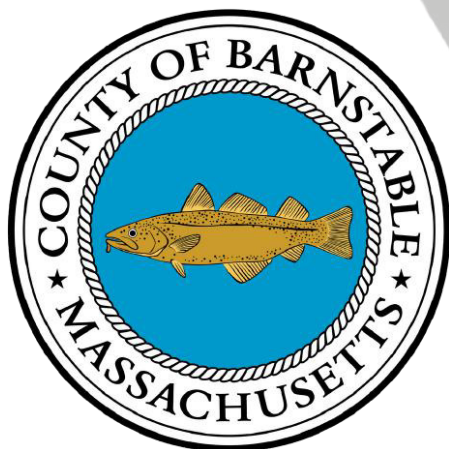


2020 Dredge – Dredge Superintendent Jason Bevis



FY'20

Report of the CAPE COD MUNICIPAL TRAINING ACADEMY



CAPE COD MUNICIPAL TRAINING ACADEMY

Superior Court House
P.O. Box 427
Barnstable, MA 02630

REPORT OF CAPE COD MUNICIPAL TRAINING ACADEMY

For the Period July 1, 2019 and ending June 30, 2020

ADMINISTRATION

Phil Burt, Director

508.375.6902 | pburt@barnstablecounty.org

Paul Tucker, Deputy Director

508.375.6983 | paul.tucker@barnstablecounty.org

Stephen Coan, Deputy Director

508.375.6987 | stephen.coan@barnstablecounty.org

Peter Carnes, Director - Cape Cod Municipal Police Academy | peter.carnes@barnstablecounty.org

Wayne Sampson, Deputy Director - Cape Cod Municipal Police Academy

wayne.sampson@barnstablecounty.org

The former Barnstable County Fire Training Academy formally adopted a new moniker: the Cape Cod Center for Public Safety Training. The new branding stems from Barnstable County's ongoing efforts to redefine its public safety programming and to develop new and exciting training programs to benefit both fire and police personnel on Cape Cod.

At the onset of the Fiscal Year 2020, Barnstable County introduced the first class of the Cape Cod Municipal Police Academy. The Police Academy, which operates as an arm of the Cape Cod Center for Public Safety Training, is under the management of Director Peter Carnes and Deputy Director Wayne Sampson. Together, Chief Carnes and Chief Sampson bring over 90 years of combined law enforcement experience to the Academy, including over 40 years as chiefs of police in Massachusetts.



Graduates of the Cape Cod Municipal Police Academy

Chief Carnes and Chief Sampson have been lauded for their dedication to policing and serving the people of Massachusetts.

The Cape Cod Municipal Police Academy was developed as a partnership between Barnstable County, the Cape Cod Law Enforcement Council, the Commonwealth of Massachusetts' Municipal Police Training Committee, and Joint Base Cape Cod. Since its inception in July of 2019, the Cape Cod Municipal Police Academy has trained 101 new police officers, 45 of which represent departments on Cape Cod. In fact, of Cape Cod's 15 municipal police departments, 14 have already sent officers to the program and benefitted from the locally operated Academy.

The Academy has provided an exemplary level of education to the Recruit Officers. The curriculum offered by the Municipal Police Training Committee for The Recruit Officer Certification is designed to meet the challenges and complexity of policing in 2020.

The Cape Cod Municipal Police Academy will welcome its third Recruit Officer Class in January of 2021.

In June 2019, Barnstable County suspended all live-fire training at the grounds of the old Barnstable County Fire Training Academy. This decision was made in coordination with the Town of Barnstable and the Massachusetts Department of Environmental Protection Agency as part of the County's long-term efforts to address PFAS and PFOA concerns within the fire training grounds of the old academy. This proactive decision was an important step forward in Barnstable County's work to clean the site – a top priority for the County Administration and the Board of Regional Commissioners.

The cessation of live fire training at the former Academy grounds set the stage for a new chapter in public safety training on Cape Cod. In coordination with the Barnstable County Fire Chiefs Association, Barnstable County pledged to develop new and creative ways to deliver critically needed fire training programs on Cape Cod. This new era of program delivery is highlighted by the development of mobile training programs. Mobile training programs are designed to be delivered on-site at area fire departments; training on-duty personnel whenever possible. This approach reduces costs to local departments and makes training more accessible to more personnel.

In Fiscal Year 2020, the Cape Cod Center for Public Safety Training took two major steps forward in

implementing this new mobile training environment: the rollout of a forcible entry training program and the purchase of a mobile maritime fire training simulator. One of the long-term goals of the Cape Cod Center for Public Safety Training is to create programs that promote cross-discipline training and coordination. To that end, in the Fall of 2018, the department introduced its first annual public safety training conference. In Fiscal Year 2020, the second conference was held and featured national speaker Judy Pal. The one-day program, Communicating in Crisis, was attended by Cape Cod's law enforcement and fire personnel during crisis scenarios and provided tools and strategies to best convey critical information to the public and media.

Looking ahead to the Fiscal Year 2021 and beyond, the Cape Cod Center for Public Safety Training is adopting measures to properly and safely train public safety personnel under the backdrop of Covid-19. When it is deemed safe and appropriate, the department will host its third public safety training conference and will resume its full menu of traditional hands-on programming.

In Fiscal Year 2019, the Barnstable County Fire Training Academy was awarded grant funding from the Massachusetts Seaport Economic Council to purchase



COMM Firefighters practice forcible entry with the Fire Training Division of the Cape Cod Center for Public Safety Training

a maritime fire training prop. In Fiscal Year 2020, Barnstable County staff worked with vendors to develop preliminary designs for the unit and ultimately awarded a bid to design and build the prop to American Fire Training Systems. The state-of-the-art, propane-fueled maritime fire training prop, supported by \$70,000 in matching funds from Barnstable County, is designed to simulate both maritime and residential fires and to create challenging training scenarios for both seasoned firefighters and new recruits. This unit will be a staple of the new mobile training program in the months and years ahead.

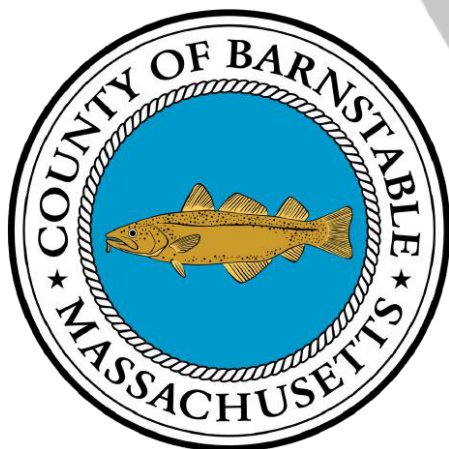
While Covid-19 put an end to in-person, hands-on training early in 2020, the Cape Cod Center for Public

Safety Training still delivered multiple programs during the first part of the year to support the fire services of Barnstable County. In the Fall of 2020, the department hosted two classroom-based certification programs: Company Officer I as well as Fire Instructor I. These two multi-day certification classes serve as building blocks for career advancement in the fire services. Traditionally, Barnstable County holds these introductory professional development programs in the fall and the advanced (e.g. Company Officer II) program in the spring.



Maritime fire training prop purchased with grant funds from Massachusetts Seaport Economic Council

Report of the FACILITIES DEPARTMENT



DEPARTMENT OF FACILITIES

3195 Main Street/Route 6A
P.O. Box 427
Barnstable, MA 02630
508-375-6603 | Fax: 508-362-8758

REPORT OF DEPARTMENT OF FACILITIES

For the Period July 1, 2019 and ending June 30, 2020

ADMINISTRATION

Donald Reynolds, Director

508.774.1201 | dreynolds@barnstablecounty.org

Eileen O'Connell, Executive Assistant

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MAINTENANCE SUPERVISION STAFF

Thomas Butler, Working Supervisor

Deborah Reynolds, Custodial Supervisor

MAINTENANCE STAFF

Elmo Alcantara, Mail Clerk/Custodian

Adam Alati, Maintenance/Repair

Patrick Arnold, Maintenance/Repair

Keith Bernier, Equipment Specialist

Dave Eaton, On Call Pesticide Contractor

Eric Eklund, Mail Clerk/Custodian

Parker Kelley, Maintenance/Repair

Michael White, Maintenance/Repair

CUSTODIAL STAFF

Richard Burgess

Jose Couto

Klauss Cunha

Aurelio Lima

Marcos Nunes

Jairo Oliveira

Richard Pacheco

ABOUT

The Facilities Department is responsible for all physical plant operations, general maintenance, and planning within the Barnstable County Complex, Second District Courthouse in Orleans, Children's Cove, White House Administration Building, Extension Farmhouse, and certain county residences and the former House of Correction.

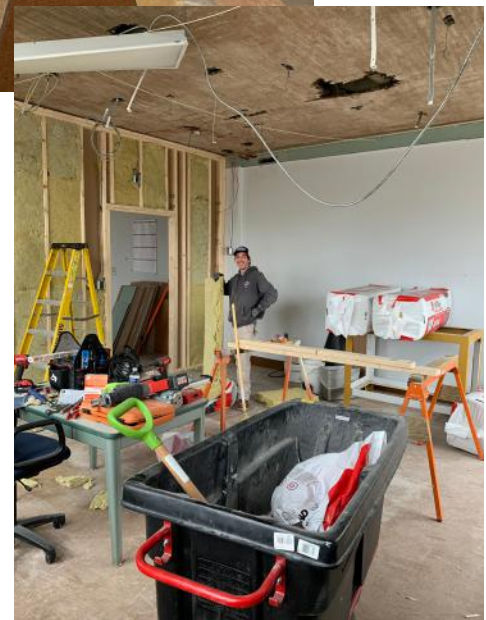
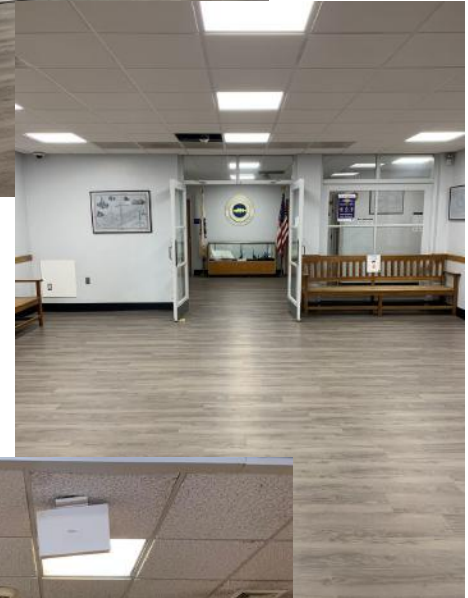
The physical plant consists of the following sixteen elements:

- Superior Courthouse, County Complex
- Deeds and Probate Court, County Complex
- First District Courthouse, County Complex
- County Complex Grounds, Barnstable
- County Residences, Bourne
- Second District Courthouse, Orleans
- Children's Cove, Barnstable
- Extension Farmhouse, Barnstable
- White House Administration Bldg., County Complex
- Cape Cod Commission, cleaning only
- Recycle Building, Barnstable
- Former House of Correction, County Complex
- Health Lab/Water Testing, County Complex
- Innovation Building, County Complex
- RDO/Americorps Residence-Bourne, MA
- Fire Academy, Barnstable

The Facilities Department budget provides funding for the following:

- HVAC, plumbing and electrical systems
- Utilities
- Grounds and parking lot maintenance
- General maintenance and custodial services
- ADA administration and compliance
- Safety and security programs
- Mail collection and distribution
- County Recycling Program
- Second District Courthouse
- Grounds Maintenance \$3,995.33
- Snow Plowing \$905.00
- Replacement Water Meter, Valves \$8,400.00
- Superior Courthouse
- Exterior Façade Improvements \$9,800.00
- Replace Emergency Generator/Fuel Tank \$6,746.00
- Front Entrance Accessibility Renovation & Repaving (State funded/joint collaboration) \$250,000.00
- Carpet Replacement (2nd Floor Judicial Office Space) \$6,426.00
- Engineering - Block Retaining Wall \$21,640.00
- Registry of Deeds/Probate
- Rooftop A/C Replacement \$21,155.00
- Plan Department Renovations \$31,970.00
- First District Courthouse
- Roof Replacement (3rd Level) \$154,773.05
- Replacement Main Session Bench Seating \$19,297.82
- County Complex
- Grounds Maintenance \$21,412.00
- Paving/Painting Lot Repairs \$10,000.00
- Repave West Driveway leading to Health Lab - \$0.00
- (Repaved by Barnstable Village Improvement Project contractor for our logistical support)
- Former House of Correction
- Engineering Structural Services (South Wing) \$5,549.00

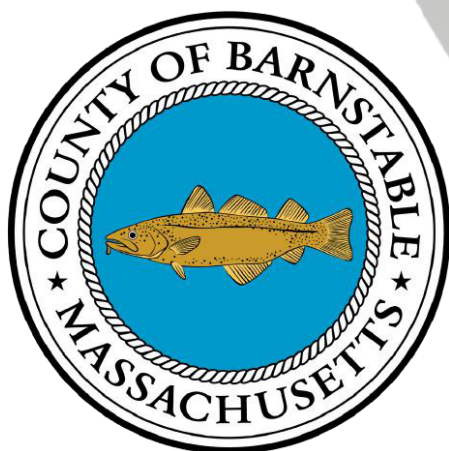
TOTAL \$572,069.20





FY'20

Report of the DEPARTMENT OF HEALTH & ENVIRONMENT



DEPARTMENT OF HEALTH & ENVIRONMENT

3195 Main Street

P.O. Box 427

Barnstable, MA 02630

508-375-6613 | Fax: 508-362-26033

Laboratory Fax: 508-362-7103

www.barnstablecountyhealth.org

REPORT OF DEPARTMENT OF HEALTH & ENVIRONMENT

For the Period July 1, 2019 and ending June 30, 2020

ADMINISTRATION DIVISION

Sean O'Brien, B.S., R.S., Director | Emergency Preparedness Coordinator

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Barbara Austin, Executive Assistant

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WATER QUALITY LABORATORY DIVISION

Hours: 8:00 am – 4:00 pm, Monday – Friday

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Leonard Pitts, Ph.D. Chemist / Analyst II

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Long, Christopher, B.S., Chemist/Analyst II

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Ken Ni, B.S., Chemist/Analyst II (retired 6/30/20)

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Lacey Prior, B.S., Chemist/Analyst I

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Katarina Soldatov, Laboratory Department Assistant II

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ENVIRONMENTAL HEALTH DIVISION

Emergency Preparedness Project Specialists

Amy L. Alati, B.G.S., M.R.P., M.S. Hazardous Materials Specialist/Laboratory Safety Officer

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Michael Walker, M.A., Emergency Preparedness Incident Management Team Coordinator

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Andrew Platt, M.S., Emergency Preparedness Project Specialist

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ENVIRONMENTAL SPECIALISTS

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Erika Woods, B.S., R.S., Deputy Director, Senior Environmental Specialist/Public Health Sanitarian

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ENVIRONMENTAL PROJECT ASSISTANTS

Beach Sampling Program

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Bethany Traverse, B.A., R.S.

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ALTERNATIVE SEPTIC SYSTEM TEST CENTER AND MANAGEMENT PROGRAM

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Tracy Long, Administrative Assistant/Alternative Septic System Tracking Program

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George Heufelder, M.S., R.S., Environmental Specialist/Public Health Sanitarian

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Keith Mroccka, B.S., Test Center Operator

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Emily Michele Olmsted, B.S., Environmental Project Assistant/Alternative Septic System Tracking Program

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emilymichele.olmsted@barnstablecounty.org

CAPE COD MEDICAL RESERVE CORPS

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Marypat Kane, A.B., Regional Medical Reserve Corps Volunteer Coordinator

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Kathleen Galligan, Medial Reserve Administrative Assistant

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PUBLIC HEALTH NURSING DIVISION

Mark E. Collins, M.D., Medical Consult/Director

Deirdre Arvidson, B.S.N., R.N., Public Health Nurse

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Debra Jones, Nursing Division Administrative Assistant

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CAPE COD REGIONAL TOBACCO CONTROL PROGRAM

Robert Collett, B.S., Program Director

508-375-6621 | bcollett@barnstablecounty.org

General Info Line: 508-375-6624

COMMUNITY SEPTIC MANAGEMENT LOAN PROGRAM DIVISION

M. Angela Do Carmo, A.A., Administrative Assistant

508-375-6877 | adocarmo@barnstablecounty.org

Cynthia L. Madden, B.S., Billing/Collection Specialist
508-375-6855 | cwallace@barnstablecounty.org

**DEPARTMENT OF HEALTH & ENVIRONMENT
THE FISCAL YEAR 2020 IN REVIEW**

Since its creation by a Special Act of The Legislature in 1926, the Barnstable County Department of Health & Environment (BCDHE) has been providing instrumental services to local boards of health that promote regional efficiencies while continuing to support each individual town's autonomy. The fiscal Year 2020 was impacted by an unprecedented global public health emergency; COVID-19, a Novel Coronavirus, spread illness and death around the world. Barnstable County recorded its first cases in early March 2020 and continued to experience a rise in the number of cases and fatalities into the next fiscal year. By June 30, 2020, 1,538 citizens tested positive for COVID-19 in Barnstable County, while 145 residents had succumbed to the virus since tracking began on March 14.

In response to the COVID-19 pandemic, BCDHE redirected departmental resources to aid local health departments in Barnstable County. Further, the Barnstable County Commissioners appropriated \$250,000.00 to an emergency relief fund for the Emergency Preparedness Division at the inception of the pandemic. These funds supported many of the Department's COVID-19 response efforts. It is worth noting that BCDHE staff acted above and beyond the call of duty to make a positive and meaningful contribution to the region's COVID-19 response efforts.

The first action was to implement a more robust communications plan to provide the public with real-time information through the department website. Sonja Sheasley, Barnstable County Communications Manager, was instrumental in overhauling BCDHE's webpage to provide reliable and current COVID-19 information for residents, business owners, elected and government officials, and members of the press. She also instituted a daily press briefing for regional news outlets to ensure proactive dissemination of COVID-19 updates to the public. Second, the Barnstable County Multi-Agency Coordination Center (MACC) was implemented on March 16, 2020, and operated continuously through the end of FY2020 to provide personal protective equipment (PPE) and cleaning supplies to all essential agencies and first responders.

Additionally, BCDHE, Cape Cod Healthcare (CCHC), Cape Cod Community College, and the Hyannis Fire



Department (HFD) implemented a regional COVID-19 drive-through test site at the Cape Cod Community College Campus for anyone who had symptoms of COVID-19 or had been exposed to someone who tested positive for the virus. It also provided a means of keeping COVID-19 testing isolated from the busy hospital emergency departments.

To address the concern that the region's healthcare system could be overwhelmed by a potentially high number of COVID-19 cases, BCHDE continued to work with CCHC and HFD in addition to the Massachusetts National Guard and the Massachusetts Emergency Management Agency to locate and prepare two hospital surge sites and a field hospital. The surge facilities occupied former long-term care institutions in Brewster and Falmouth while the field hospital was located at Joint Base Cape Cod.

The Department assisted local health departments in other areas as well; such as the development of COVID-19 testing strategies and bulk purchasing of disinfectants for school systems, development of a regional rapid response team for COVID-19 testing, and assistance following up on virus clusters in skilled nursing facilities. The Department also hired additional seasonal inspectors to assist the towns and local businesses with newly established COVID-19 restaurant protocols.

ADMINISTRATION

The Administration Division oversees the Department's budget and programs and provides an avenue through which citizens and towns can directly access services and information relative to public health and the environment. In FY2020, the Administrative Division prepared several grants to support the following: bathing beach monitoring, the Massachusetts Alternative Septic System Test Center (MASSTC), assistance with hoarding, public health screening for at-risk populations, public health emergency preparedness efforts, and the Cape Cod Medical Reserve Corps, which serves the towns when public health emergencies arise.

As a part of the COVID-19 pandemic response, BCDHE implemented strict and detailed protocols for departmental staff to continue to provide service and support to Barnstable County's residents. Working remotely, staggered schedules for office time, use of personal protective equipment, and social distancing have become the norm for employees as they continue to provide services to the region.

ENVIRONMENTAL HEALTH

Inspectional Services

Barnstable County Department of Health and Environment field staff members maintain the readiness and certifications necessary to assume health agent responsibilities in any town whose needs require immediate assistance for any reason. The Department's close and regular communication with local Boards of Health and their agents make such events seamless to the public. With the addition of COVID-19 challenges and several uncertainties this year, Deputy Director Erika Woods moderated weekly conference calls with the town health agents to share information and various approaches to local public health issues that are specific to the pandemic.

Additionally, under the supervision of Senior Environmental Specialist Lynn Mulkeen, the Department provided training to three seasonal health inspectors who worked full-time through the summer to assist local health departments in meeting the public health and safety demands of Cape Cod's busiest tourist season. In addition to general support services, department inspectors conducted over 1,000 restaurant/retail food establishment and swimming pool inspections across Barnstable County during the summer season, including complaint follow-up and repeat inspections when necessary. In addition to direct inspectional services and food protection instruction, seasonal inspectors distribute information on relevant topics such as tick and mosquito-borne diseases, drinking water issues, and shellfish concerns. In FY2020, the inspectors trained remotely and shouldered the added responsibility of mastering new regulations and guidelines related to COVID-19.

MASSACHUSETTS ALTERNATIVE SEPTIC SYSTEM TESTING CENTER

In operation since 1999, the Massachusetts Alternative Septic System Test Center (MASSTC) has been on the cutting edge of researching and testing technologies that remove contaminants from wastewater discharged through onsite septic systems. As the nation's premier testbed for academic institutions and private industry alike, the Test Center diverts untreated wastewater from Joint Base Cape Cod where it is used to simulate residential wastewater influent. This allows for the active investigation and development of products that focus on nitrogen reduction to protect sensitive marine resources.

Collaborative projects with partners at Stony Brook University in New York, the University of Rhode Island,

the Florida Department of Health and Massachusetts Department of Environmental Protection (MassDEP) give promise for deploying low-impact sustainable modifications to standard soil treatment areas (a.k.a. leach fields or leaching beds). These projects are working to address the many problems associated with nutrients, pathogens, and contaminants of emerging concern originating from onsite septic systems.

The Clean Water Act Section 319 grant funds (which were previously awarded to MASSTC in FY2019 to study the efficacy of phosphorus removal by alternative septic systems) were expanded in FY2020 to include a study of virus and bacteria removal at varying soils depths. The grant in part provided subsidies for several homeowners to install and test experimental phosphorus-removal septic systems at their homes. The grant also provided the funding for a new laboratory and ongoing laboratory costs, the construction of unique test cells for collection and analysis of treated effluent and the new hire of a microbiologist to study the amount of virus and bacteria removal through various depths of sand.



Samples will be collected from various "cells" simulating different soil conditions and will then be analyzed at the MASSTC Laboratory.

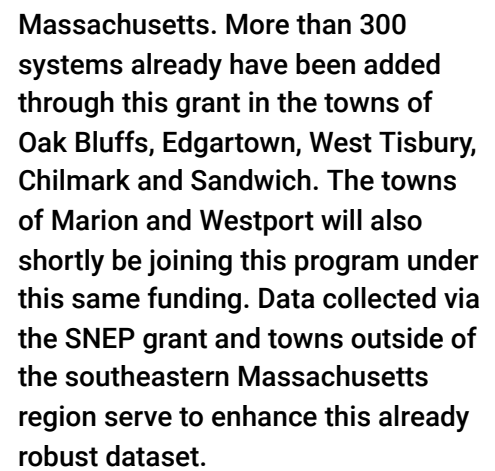


MASSTC microbiologist Kathy Regan works on the construction of the virus test cells.

INNOVATIVE/ALTERNATIVE (I/A) SEPTIC SYSTEM EDUCATION AND TRACKING

Concurrent with ongoing research and development efforts underway at the Massachusetts Alternative Septic System Test Center (MASSTC), and in conjunction with the region-wide EPA Section 208 Plan implementation, the Department assists towns with monitoring their I/A septic systems at no cost. An internet database was developed to collect inspection reports and effluent monitoring results, and it also allows regulators the ability to track compliance for over 3,200 I/A systems across the Cape and Islands. The Program's exceptionally large monitoring dataset—currently over 32,000 sample reports—allows for a detailed analysis of applicable septic systems. An online charting system makes the data more easily accessible for boards of health and the public at <https://septic.barnstablecountyhealth.org>.

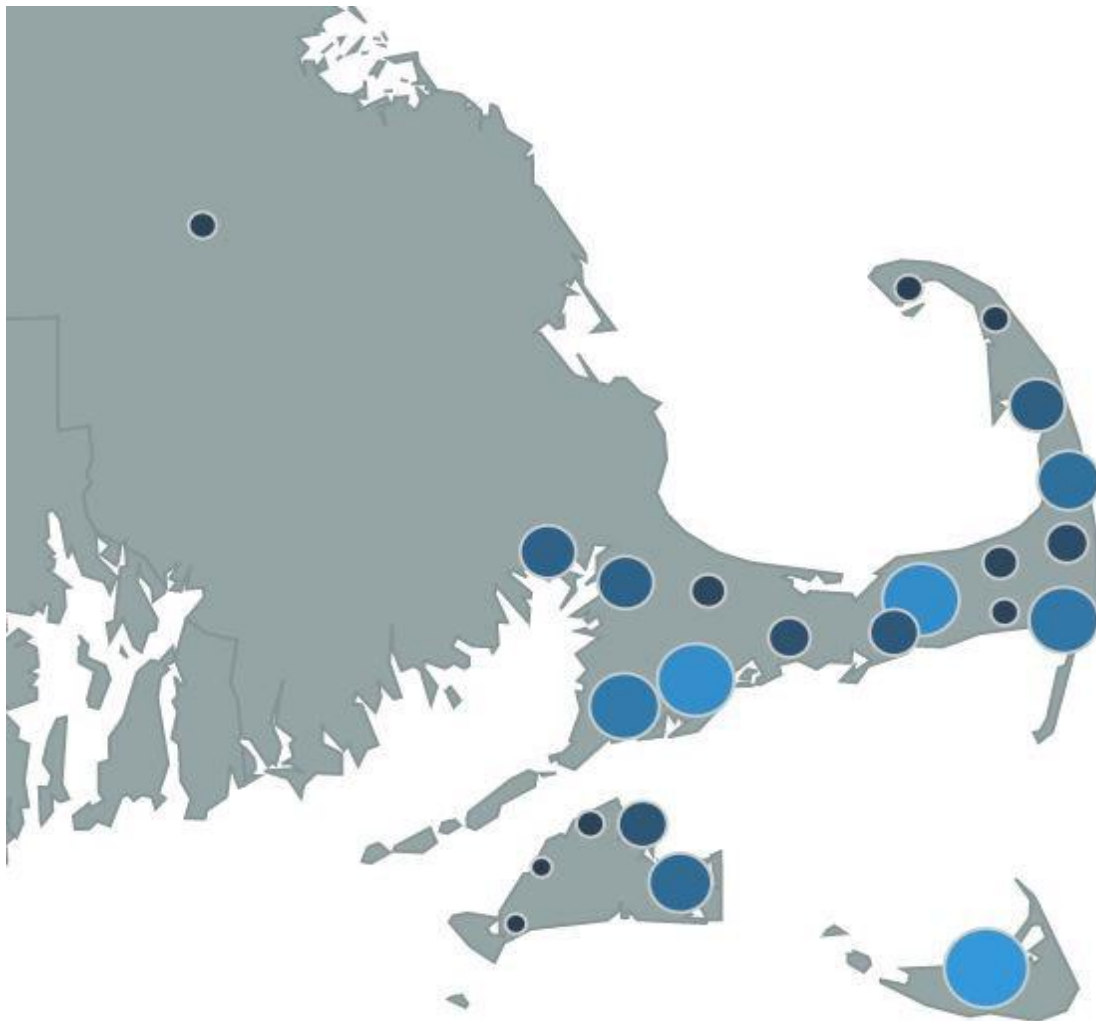
An EPA SNEP (Southeastern New England Program) grant received by the Program in early FY2018 will allow for the addition of 500 systems from towns on Martha's Vineyard and southeastern



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ID	Minimum	Upper Quartile	Lower Quartile	Maximum	Median
FAST	0.25	1.3	0.8	3.8	0.83



Samples will be collected from various "cells" simulating different soil conditions and will then bThe number of systems continues to grow and expand across the Commonwealth of Massachusetts.

LANDFILL MONITORING

Eleven Cape Cod towns currently depend on Department staff for post-closure or operational monitoring of their landfills based on consistently stringent requirements for continued surveillance of the groundwater in these areas. Annually, more than 600 water wells and surface water sites are sampled as part of this program. The Department also assists five towns in the specialized quarterly monitoring of soil gases required as part of the landfill closure process. Field sampling was limited for much of the spring due to COVID-19 restrictions, but sampling personnel was able to immediately pick up with sampling as soon as possible and maintain the services to the towns.

BATHING BEACH WATER QUALITY MONITORING

The Bathing Beach Monitoring Program serves towns in Barnstable County through the collection and analysis of weekly water samples at the town beaches. Semi-public beaches are also served through a paid subscribership. The Program notifies town health agents to post the beaches closed to swimming when bacteria levels exceed the allowable limits on two consecutive days. Immediate resampling is conducted to ensure that the beaches may be re-opened as soon as the results are favorable. More than 350 beaches



Lynn Mulkeen sampling surface water near a landfill site in Provincetown.

across Cape Cod are sampled every week in the summer months.

In FY2020, the task of overseeing this extensive program was executed by Environmental Project Assistants Bethany Traverse and Carol Eastman. Despite several challenges presented by the COVID-19 pandemic, the program ran on schedule and at full capacity. Additionally, the Program implemented a brand-new methodology for sample analysis to save on time and resources. Over 4,500 samples were collected and processed during the summer bathing season from 241 marine and 110 freshwater beaches on Cape Cod. Testing results are published daily on the Department website as well as the Massachusetts Department of Public Health statewide beaches website.

For more information regarding the Bathing Beach Monitoring Program, please visit <http://www.barnstablecountyhealth.org/bathing-beach-water-quality>.



Beach Sampler/Analysts Maia Adley, Mikaela Gresty, Zoe Boardman and Jenny McMullin preparing to run samples in the bacteriology laboratory.

RABIES AWARENESS AND THE CAPE COD ORAL RABIES VACCINATION PROGRAM

The Barnstable County Department of Health and Environment, in conjunction with the Cape Cod and Southeast Massachusetts Rabies Taskforce (formerly the Cape Cod Rabies Task Force), continues to coordinate with local health directors, animal control officers, and natural resource officers to contain terrestrial raccoon rabies on Cape Cod with a goal of pushing it farther west and north. The raccoon variant of rabies was first identified in Bourne in 2004 and by 2006 was found in every town across Cape Cod. The CCSMRTF, co-chaired by Senior Environmental Specialist/Deputy Director Erika A. Woods and Karl Von Hone of the Yarmouth Division of Natural Resources, continues to meet regularly to implement policies and procedures within the towns and facilitate the education of residents and visitors County-wide.



Health Department Deputy Director Erika Woods distributing oral rabies vaccine baits along a roadside.

In addition to education and policy, the CCSMRTF works with USDA Wildlife Services, supported by the Massachusetts Department of Public Health, to coordinate the semi-annual distribution of the Oral Rabies Vaccine (ORV). In April of 2016, ORV bait distribution resumed north of the canal for the first time since 2003 with the dissemination of approximately 72,000 baits. This serves to provide a buffer zone and reinforce the effectiveness of the approximately 28,000 baits that were distributed on Cape Cod. Due to these efforts, 2020 marked seven years without a positive case of terrestrial rabies on Cape Cod.

For more information about the CCSMRTF, please visit:

<http://www.barnstablecountyhealth.org/programs-and-services/rabies-awareness>

THE CAPE COD HOARDING TASK FORCE

Hoarding disorder (HD) is estimated to affect 2-6% of the population. Characterized by the inability to discard possessions resulting in an accumulation of items that compromises the intended use of living areas, HD creates distress in daily functioning and poses risks to the health and environment of individuals in and around the home, as well as first responders. The illness is often associated with the early stages of dementia and Alzheimer's Disease and not only impacts individuals, families, and neighbors; it poses risks of enhanced fire danger, degraded indoor air quality, compromised structural integrity, and increased strain on town resources.

Chaired by Senior Environmental Specialist/Deputy Director, Erika A. Woods and overseen by a seven-member executive committee, the mission of the CCHTF is to provide education, collaboration, and support for those affected by hoarding through accessible tools, referrals, and resources. With an estimated 8,500 Cape residents affected by HD, the Task Force continues to use grant funding to provide professional training, community outreach, and support for the many self-help groups across Barnstable County. The Task Force regularly fields calls and emails from individuals struggling with hoarding, concerned family members, service providers, housing agencies, and municipalities from each town on Cape Cod.

ENVIRONMENTAL HEALTH AND SAFETY

The chief goal of the Environmental Health and Safety (EHS) Program is to promote and enhance environmental compliance and improve health and safety in the workplace and beyond. Each fiscal year, the EHS Program receives and responds to over one hundred residential calls regarding a broad range of potential hazards including mold, hazardous materials/waste, animals and disease-carrying pests, lead paint, asbestos, allergens, and other environmental threats.

Program support in the workplace varies considerably depending on the individual facility, organization, and needs. Assistance with Occupational Health and Safety Administration (OSHA) requirements might include evaluation of hazardous work processes, recommending safe work procedures or best practices, providing training, reconciling grievances, and creating OSHA compliant plans. The Program frequently acts as an advocate to local agencies, enabling the consolidation of resources, resolution of grievances and

reduction of costly enforcement actions and fines.

Through COVID-19, this program played an important role in assistance to municipal agencies in implementing safety standards for workplace protection against the virus. The Program's successes include risk reduction and loss prevention resulting from worker accident avoidance and prevention of costly incidents that pose a threat to the environment and/or natural resources. The Program has an established partnership with regional public works authorities and continues to develop a regional OSHA training center for conferring basic OSHA certifications to local Department of Public Works (DPW) workers.

WATER QUALITY LABORATORY

The Barnstable County Water Quality Laboratory is certified by the Massachusetts Department of Environmental Protection (MassDEP) and provides analytical services to Barnstable County's private residents and municipalities alike. One primary directive of the Laboratory is to provide high-quality analyses of various contaminants in drinking water. Accordingly, the Laboratory assists water departments on Cape Cod in meeting the monitoring requirements necessary for adherence to state and federal water quality standards. Water departments benefit from the flexibility of the Laboratory to assist when periodic problems arise, such as the seasonal and transient occurrences of bacterial contamination in the water systems. The Laboratory also provides analytical services to owners of private drinking water wells and weekly sample pick-up in Wellfleet, Truro, Eastham, Brewster, Falmouth, and Mashpee. In FY2020, the Barnstable County Laboratory received over 16,500 samples and performed nearly 25,000 analyses.



Chemist Liping Xun Analyzes a Sample for Organic Compounds using a Gas Chromatograph/Mass Spectrophotometer



FY'20

The Division's Ask a Public Health Nurse Program operates out of local food pantries and provides needed access to a health professional for screenings and related health resources. Services include blood pressure screenings, glucose testing, health counseling, distribution of relevant educational materials regarding illness prevention, and other valuable community health resources. Flu shots are also offered to all food pantry staff and clients. The Program has collaborated with the Hunger Network and Lower Cape Outreach to provide an onsite chronic disease monitoring program called Foods to Encourage (FTE) in several locations. By participating in FTE, clients with hypertension, diabetes, and pre-diabetes can come weekly for blood pressure and glucose testing. They receive health counseling, nutrition education, and a bag of produce. The FTE program is offered at the Friends of Bourne Pantry, Harwich Family Pantry, Falmouth Service Center, Orleans Methodist Church pantry, the Provincetown soup kitchen, the Brewster Council on Aging, and the Wellfleet community dinners.

The Ask a Public Health Nurse Program operates in 21 food pantries and other locations across Barnstable County and is planning to expand further in the coming year. Specific sites include the Salvation Army soup kitchen, A Baby Center, Falmouth Eats Together, Mashpee Food Pantry, Sandwich Food Pantry, WIC office in Hyannis, St. David's paper pantry, Cromwell Court, and the Yarmouth Food Pantry. The Division has regularly scheduled blood pressure clinics at the YMCA in Barnstable, the Chatham Community Center, and the Eastham Public Library. Currently, this program is on hold due to COVID-19 restrictions but will resume when it is safe to do so.

In FY2020, the Division offered tick and Lyme education to students and staff of all Barnstable County schools. Outreach efforts also have included local farmer's markets, private preschools, daycare facilities, the Wildlife Festival, and councils on aging. This year we reached over 600 individuals prior to the onset of the COVID-19 pandemic. Lyme disease is endemic in this region, making education about tick-borne illness prevention vitally important.

The Sun Safety/Skin Cancer Awareness and Prevention Program continued to utilize a UV skin analyzer to provide screenings that reveal sun damage unobservable to the naked eye. The screenings continue to be a powerful educational tool in raising awareness of the dangers of sun exposure. The UV skin analyzer is also popular at health fairs and science fairs across the county, including

the Women's Cancer Awareness Expo in Falmouth. The Program is now a staple at the Falmouth School District's Middle and High School Science Fair. Due to the pandemic, this program is also on hold.

In collaboration with the Municipal Health Group, the Division offers vital biometric screenings to all municipal employees through the Municipal Health Group Biometric Screening Program. Biometric screenings include weight and waist measurement, body mass index, blood pressure, pulse, glucose, cholesterol, bone density, skin analysis, and hearing and vision screening. All screenings include health counseling and up-to-date informative literature. The County Cooperative Extension nutritionist provides education and samples of healthy eating, while a Good Health Gateway representative utilizes screening data to provide a "heart age" for participants. This program will continue when it is safe to do so.

Finally, the Division started the Massachusetts Association of Public Health Nurses Cape Cod chapter in August 2011. The meetings are usually held on the 4th Wednesday of every month and offer free nursing CEUs. Due to the pandemic, meetings are on hold. Relevant training and presentations are offered to all nurses and any interested member of the public.

CAPE COD MEDICAL RESERVE CORPS

The mission of the Cape Cod Medical Reserve Corps (CCMRC) is to engage volunteers to strengthen public health and emergency response and to build community resiliency. This mission was tested in the 4th quarter of FY2020 when COVID-19 struck our region. Director Diana Gaumond, Volunteer Coordinator Marypat Kane-Oropallo and Administrative Assistant Kathleen Galligan led our talented and dedicated volunteers through this challenging year.



Choke Saver Training by conducted by Diana Gaumond and Barbara Good in Falmouth

Volunteers come to CCMRC with a wealth of experience and provide compassionate expertise in clinical and non-clinical roles. Volunteers are trained in CPR, emergency preparedness, and the Incident Command System (ICS). They participate in regular drills and training and ably respond to both emergency and non-emergency situations.

In FY2020 CCMRC supported community events in numerous ways. Volunteers staffed first aid stations at road races, including the Piggy Trot and Falmouth Road Race. They provided blood pressure checks, KI distribution, and emergency preparedness information at health and safety fairs. They also provided tick awareness education to the staff at summer camps.

Various CPR and Stop the Bleed training were provided by CCMRC in FY2020 to the community at no cost. Food service workers throughout the Cape were trained in Choke Saving. Volunteers taught CPR and AED use to church groups, scout troops, and numerous volunteer organizations. The Corps seeks to encourage more people to respond in the event of a cardiac arrest by teaching them to perform Hands-Only CPR, a lifesaving skill that can be learned in just 10 minutes. These training were offered in a variety of venues, reaching over 800 people. At the Barnstable County Fair more than 300 people, many of them children, learned this technique.



MRC and CERT volunteers at a COVID-19 Volunteer Reception Center at the Barnstable County Complex

In early March of FY2020, CCMRC's trainings were no longer possible due to COVID-19. Our focus shifted to finding ways to support Barnstable County's community during the pandemic. With the added help of over 100 new volunteers, we were able to offer a variety of programs and services. We assisted Cape Cod Health Care (CCHC) by picking up and delivering donated

With personal protective equipment (PPE) in short supply we launched a program to coordinate the production, transport and distribution of more than 7,000 hand-made donated cloth face masks. The masks were used to protect health care personnel and other essential workers and volunteers, as well as the residents and staff of congregate living facilities. Corps volunteers also supported the efforts of Cape Cod Makers by delivering more than 5,000 completed face shields.



MRC volunteers at the greeting tent at a drive thru COVID Test Site located at Outer Cape Health Services, Harwich, MA.

During the height of COVID-19, CCMRC volunteers could be found helping at food banks, delivering Meals on Wheels, and assisting Council on Aging (COA) clients. Volunteers also assisted weekly with serving breakfast at Duffy Health Care and helping with COVID-19 testing at Whole Health Pharmacy. The CCMRC also helped staff a 2-day pop-up testing program at three sites. When a need arose to help vulnerable citizens acquire groceries, CCMRC established the Essential Delivery Program, with volunteers picking up and delivering groceries to people at risk. The CCMRC will continue to support our community through this ongoing pandemic in any way possible; we hope to resume our normal activities in the upcoming year.



MRC volunteer assisting with traffic at a drive thru COVID Test Site located at Outer Cape Health Services, Harwich, MA.



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COMMUNITY SEPTIC MANAGEMENT LOAN PROGRAM

The Community Septic Management Loan Program (CSMLP), aimed at upgrading failed residential septic systems, was made possible by the enactment of the Open Space Bond Bill of 1996. This law appropriated \$30 million to the Massachusetts Department of Environmental Protection (MassDEP) to assist qualified homeowners with defraying the cost of Title 5 regulatory compliance. In turn, MassDEP used the appropriation to fund loans through the Massachusetts Clean Water Trust (MCWT).

For over a decade, the Barnstable County Department of Health and Environment has administered the CSMLP on behalf of all fifteen Cape Cod towns. As a way of streamlining the program, Barnstable County secured special legislation in 2006 allowing CSMLP to borrow money directly from the MCWT. To date, CSMLP has provided \$50 million in loans for over 4,330 septic system repairs. The interest rate charged to homeowners remains at 5% as does the 20-year repayment term. Septic system repair projects including sewer hook-ups completed for FY2020 totaled 252. This translates to \$3.7 million in project costs. Program funds from the state remain available into the foreseeable future, allowing CSMLP to continue providing an effective and efficient means of assisting area residents with often cost-prohibitive yet essential septic system requirements.

It is important to note that the CSMLP is self-supporting through interest earned from loan program enrollment, thus saving taxpayers all operation costs and staff salaries for Angela Do Carmo and Cinthia Madden. Additional savings include all associated legal expenses and recording fees at the Registry of Deeds. For more information about the CSMLP, please visit our website: www.barnstablecountysepticloan.org.

PUBLIC HEALTH NURSING DIVISION

The Department's Public Health Nursing Division operates under the direction of Deirdre Arvidson, MSN, APRN, SANE who brings twenty-eight years of nursing experience to the Department in a wide variety of health and community-related services. In addition to a staff of 26 contract nurses who assist in providing quality care to the region, the Division accepts nursing interns from Cape Cod Community College, UMass Boston, Wisconsin State University, UMass Dartmouth, Worcester State University and other schools where students' needs for internship placements can be matched to regional public health program needs. To

date we have sponsored 41 students, including one doctoral candidate. This program is currently on hold due to COVID-19 restrictions.

In addition to education and policy, the CCSMRTF works with USDA Wildlife Services, supported by the Massachusetts Department of Public Health, to coordinate the semi-annual distribution of the Oral Rabies Vaccine (ORV). In April of 2016, ORV bait distribution resumed north of the canal for the first time since 2003 with the dissemination of approximately 72,000 baits. This serves to provide a buffer zone and reinforce the effectiveness of the approximately 28,000 baits that were distributed on Cape Cod. Due to these efforts, 2020 marked seven years without a positive case of terrestrial rabies on Cape Cod.

For more information about the CCSMRTF, please visit: <http://www.barnstablecountyhealth.org/programs-and-services/rabies-awareness>

Programs and services of the Public Health Nursing Division include the Tick-borne Disease Prevention Program, Public Immunization Program, Sun Safety and Skin Cancer Awareness and Prevention Program, the Municipal Health Group Biometric Screening Program, the Ask a Public Health Nurse Program, public safety personnel services, OSHA standard bloodborne pathogen/communicable disease training for public and private sector workers, subsidized housing preventative health screenings, disease surveillance and blood pressure clinics. Division outreach efforts also include conducting health fairs and speaking at a wide range of venues.

The Division's Public Immunization Program continues to provide a cost-effective, convenient option to anyone seeking vaccination, including those without insurance. The Program offers all travel vaccines and is listed on the Centers for Disease Control and Prevention's travel clinic website. As a Mass Health and Medicare provider that also collaborates with the UMass Medical School for Health Care Financing, the Program can bill most major insurance carriers when applicable. Further, the program provides free immunizations through the Federal Vaccine for Children Program. Since 2010, the Public Immunization Program has immunized 7,485 individuals, which is an increase of 2,066 from FY2019. Out of that number, 2,055 individuals received flu shots in FY2020. That is an increase of 180 flu shots from FY2019. On September 26, 2020, we held our first regional drive-through flu clinic. All ages attended and we gave 590 flu shots.

CAPE COD REGIONAL TOBACCO CONTROL PROGRAM

Cardiovascular disease and lung cancer are the leading causes of death in both men and women in the United States, yet both are preventable simply by avoiding tobacco use. These realities brought about the Cape Cod Regional Tobacco Control Program (CCRTCP). Further, the current use of vaping products has reached epidemic levels, warranting a strong effort to educate the public about the inherent dangers of these devices.

Under the direction of Robert Collett, CCRTCP is supported through a state grant administered by the Department on behalf of all Cape Cod towns (with the exception of Dennis), Martha's Vineyard, and Nantucket, Plymouth, and Wareham. The Program's education efforts include an annual visit to each tobacco merchant in all 23 communities within the service area and assisting local boards of health with the promulgation and implementation of tobacco control regulations. Visits were made to all tobacco merchants to provide education regarding the new Massachusetts Tobacco Retail Laws that became effective on January 1st, 2020. A total of 330 tobacco sales compliance checks (utilized to assure compliance with youth access laws) were conducted within the service area. Unfortunately, Covid-19 pre-empted further visits. Additionally, CCRTCP works with other local public health/prevention entities collaboratively to implement comprehensive substance abuse prevention strategies and offers public education addressing the use of tobacco and other nicotine delivery products, including e-cigarettes, otherwise known as vaping devices.

The CCRTCP consistently serves as a model within the Commonwealth of Massachusetts and with our federal partners. For more information regarding the Massachusetts Tobacco Control Program, please visit www.makesmokinghistory.org.

EMERGENCY PREPAREDNESS DIVISION

Regional Emergency Planning Committee

Planning and implementing a regional response to disasters and emergencies on Cape Cod and Nantucket happens cohesively through the cooperative efforts of the Barnstable County Regional Emergency Planning Committee (BCREPC). The initial impetus for the Committee arose when local municipalities realized the advantage of having a regional coordinated approach to municipal compliance with the Superfund Amendments and Reauthorization Act, also known as SARA Title III. As the program demonstrated success and relationships were developed with emergency response stakeholders, the role of the Committee expanded to "all-hazards"

emergency planning to address homeland security, meteorological events, public health matters and regional sheltering issues that affect this region.

All fifteen communities on Cape Cod and, in addition, Nantucket, are represented on the BCREPC. The Committee meets regularly to hone their skills and strategize to address all types of emergencies. Chief Philip Simonian of the Yarmouth Fire Department and Chief Peter DiMatteo of the Dennis Police Department serves as the BCREPC's co-chairs. Their efforts are supported by Barnstable County Emergency Preparedness Coordinator Sean O'Brien, Emergency Preparedness Project Assistant Amy L. Alati, Emergency Preparedness Specialist Andrew Platt, Incident Management Team Coordinator Michael Walker, as well as many private and public sector agencies that serve on the committee.

Storm season brought multiple significant weather events to the region, including three confirmed tornadoes in a single day. These storms brought heavy rain, powerful winds, and widespread power outages to the Cape. The Multi-Agency Coordination Center (MACC), with the assistance of the Barnstable County Incident Management Team (BCIMT) and the towns throughout the county, was activated three times in response to these weather incidents. The MACC once again worked with towns and state agencies to provide regional situational awareness statements and to coordinate resource requests prior to, throughout, and after these hazardous events. The MACC continues to foster strong partnerships with local public safety agencies and utility providers.



Lt. Governor Karyn Polito, Cape Cod's Legislative Delegation and BCREPC Staff providing an update about the July Tornadoes at a press conference.



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The Barnstable County Incident Management Team, an integral part of "All Hazard" Emergency Planning and Response on Cape Cod, staffed the MACC during several storm events. The team was activated to provide incident support to several search and rescue operations throughout the year and provided training and facilitation of local and regional tabletop and live exercises. Throughout the year, staff worked to increase the capacity and resources of the MACC through the development of a regional emergency equipment cache.

In early 2020, the MACC was activated to assist local communities with acquiring needed Personal Protective Equipment (PPE) for public safety departments during the spread of COVID-19. These ongoing efforts were assisted by a partnership with the Massachusetts Emergency Management Agency (MEMA) and by countless hours of assistance from the Massachusetts Department of Conservation and Recreation (MADCR) Forest Fire Control Division 1 staff. The MACC also assisted with the efforts of the Barnstable County Department of Health and Environment, in partnership with Cape Cod Healthcare, to manage a COVID-19 drive-thru testing site at Cape Cod Community College, as well as a field hospital at Joint Base Cape Cod and medical surge facilities in Falmouth and Brewster.

The Barnstable County Regional Shelter Program continues to be at the ready should disaster strike. Local non-profits and volunteer organizations, including groups such as the American Red Cross, Cape Cod Medical Reserve Corps, Cape Cod Disaster Animal Response Team, Community Emergency Response Teams, Amateur Radio Emergency Services, AmeriCorps Cape Cod, and the Lower Cape Animal Support Team provide invaluable support for these facilities to open.

The Task Force continued to raise awareness of the regional sheltering program through community presentations and media releases. With the assistance of AmeriCorps Cape Cod, the shelter task force created multiple virtual shelter fundamentals and management training classes for community volunteers and municipal employees.

With the help of the Barnstable County Communications Manager, the BCREPC continued to update and expand the BCREPC website www.BCREPC.org, and further increased its use of social media (products such as Twitter and Facebook) to increase awareness, foster county-wide preparedness and disseminate updates to

the public during regional emergencies.

TIER II HAZARDOUS CHEMICAL EMERGENCY REPORT INVENTORY PROGRAM

Approximately 450 businesses and municipalities from Barnstable and Nantucket counties use/store hazardous or extremely hazardous chemicals in quantities that meet or exceed federally/EPA enforced thresholds at their facilities. Because of this, they must comply with the SARA Title III, otherwise known as the Emergency Planning Community Right to Know Act (EPCRA). These facilities are assisted by the BCREPC in updating and filing their annual, mandatory hazardous chemical inventory emergency reports by the March 1st deadline each year. This annual reporting provides critical information and facility site plans for hazardous materials pre-planning and emergency responses at the local and state level. More importantly, Tier 2 report data is critical in the protection of our first responders who work to mitigate spills or releases across Cape Cod. Since 2008, this data has also been beneficial in providing baseline information for the BCREPC's annual, mandatory hazardous materials exercise. These valuable collaborations build knowledge, relationships, and educational opportunities for each town's first responders, public works employees, public health representatives, and Tier 2 facility managers/workers. The annual hazmat tabletop exercise (TTX), which is usually focused on a Tier 2 reporting facility, empowers town officials to protect their employees' health and safety, properties, and the environment.

Hazardous Materials Specialist and Laboratory Safety Officer, Amy L. Alati, has provided hazardous chemical emergency report filing guidance, mapping updates/coordination, and compliance training to all municipal and private Tier 2 facilities on Cape Cod and Nantucket since 2005. Additional services to the towns provided under the Tier 2 program also include specific facility site assessments for chemical hazards, OSHA-compliant Hazard Communication training that feature a town's highest chemical storage data to conduct hazard identification and emergency response education and planning, and workplace hazard assessments to improve safety conditions and prevent numerous liabilities. When requested, information and guidance are also provided to towns and facilities that report under other emergency preparedness committees outside of Barnstable County. The growth and consistent progress of this important hazardous materials emergency planning program has prompted several off-Cape municipalities, state agencies, and the Environmental Delegation of South Korea to use



*Cyanobacteria
Education Session
from November 1,
2019*

BCREPC's Tier 2 compliance program is a model for their own EPCRA compliance programs in their regions.

Early in each calendar year, approximately 450 chemical inventory reports are individually checked for detail, accuracy, and regulatory compliance under SARA Title III to ensure the requested information from federal, state, and local emergency planning entities is submitted and completed by the annual deadline. Once again, this year, the Tier 2 program has saved this region's municipal facilities and private businesses thousands of dollars in consultant filing fees, compliance training costs, potential violations, and lowered insurance costs.

HAZARDOUS MATERIALS TRAINING

Since 2004, a primary function of the Emergency Preparedness Division has been to conduct innovative, cost-free hazardous materials awareness and response training programs for municipal agencies, such as health, police, fire, and public works departments. These programs promote regional preparedness among the towns, empower facility workers with improved safety and response skills and enhance responder information and awareness while protecting environmental health. The BCREPC's Hazardous Materials Specialist provided OSHA Hazard Communication Standard training courses to county, municipal, and private entity employees in FY2020. The BCREPC also provides the municipalities in Barnstable and Nantucket counties with facility assessments for emergency planning and response to chemical emergencies. Finally, the BCREPC coordinates, advises, and participates in chemical safety drills and facilitates technical workshops. These services benefit the towns by enabling significant cost savings for mandatory hazardous material training, consultant fees, and potential insurance rider fees while improving town compliance with EPA and OSHA regulations.

RESIDENTIAL UNDERGROUND STORAGE TANK PROGRAM

Since 2009, the Barnstable County Department of Health and Environment has provided services to the towns on Cape Cod that track removals and fund repair/replacement of residential underground storage tanks (RUST) of home heating fuel. To reach property owners who need

financial help in removing a UST at the end of its lifecycle, BCDHE continues to offer the RUST0% Loan Program. This program afforded discreet counsel and critical data to 48 realtors, fire departments, and homeowners in FY2020. Information researched and provided helps to document the compliance status of USTs in each town, complete real estate transactions in an efficient and transparent manner, streamline RUST loan application guidance, and enhance RUST loan payment collection services.

CAPE AND ISLANDS HEALTH AGENT COALITION

This important and critical public health collaboration between BCDHE and the towns of the Cape & Islands Health Agents Coalition (C&I HAC) was established in 2004 under the planning and facilitation of Amy L. Alati, Hazardous Materials Specialist/Laboratory Safety Officer. The towns and county were mandated by the CDC and the Massachusetts Department of Public Health (MDPH) to implement new grant-funded and mandatory public health emergency planning deliverables by set deadlines each year. The Cape & Islands Health Agents Coalition continues to provide the 23 towns of Cape Cod, Martha's Vineyard and Nantucket with public health emergency preparedness information and trainings which meet each specific planning deliverable. Credentialed public health training workshops, ongoing environmental health education seminars, public health emergency response drills and regulatory guidance updates assist the towns of the Cape and Islands to consistently become more adept at situational awareness, public health planning and emergency response.

Members and affiliates of the Cape and Islands Health Agents Coalition have worked in conjunction with BCDHE and the Massachusetts Department of Public Health since 2005 by sharing resources, critical information and new/emerging methodologies that streamline a public health issue or crisis. Town boards of health are supported with ongoing programs and information from this coalition's planning partners which include the Barnstable County Public Health Nursing Division, the Cape Cod Medical Reserve

Corps, the Massachusetts Department of Public Health, the Health and Medical Coordinating Coalition (HMCC), the health agents' fiscal/grant manager, BCDHE staff, and BCDHE's contracted public health nurse planners. These effective and efficient collaborative efforts support each town's public health programs, supplement their workloads and provide the town credit for each deliverable.

A prime example of how BCDHE serves the towns through the C&I HAC is the ongoing support to local boards of health and remote meeting continuity during the COVID-19 pandemic. Services to the towns were uninterrupted by establishing weekly remote meetings that continuously informed and prepared local boards of health for individual or mutual aid responses during this ever-evolving public health crisis. The C&I HAC was provided with additional COVID-19 educational liaisons and the opportunity to participate in and receive credit for a regional flu vaccination drill that has been established as a regional emergency dispensing site (EDS).

Grant funding from CDC also helps to fund public health emergency plans, which are updated, maintained, and exercised with the assistance of BCDHE's contracted public health nurse planners. Staff work together on a variety of subjects to assist the C&I HAC with meeting and exceeding the CDC and state health department mandated goals established in each budget period. Coalition meetings/workshops are open to the public and routinely attended by a wide variety of public health partners such as public health nurses, healthcare liaisons, non-profit service groups, emergency response agencies, and environmental health practitioners.

LABORATORY SAFETY MANAGEMENT PROGRAM



Barnstable County Laboratory Staff participating in their annual emergency shelter-in-place and evacuation training with the Barnstable Fire Department.

With the oversight and guidance of the Laboratory Safety Officer, the BCDHE Water Quality Laboratory continues to see updates and progress to its comprehensive safety management system (SMS). The laboratory's safety committee continues to meet remotely to discuss ongoing lab safety hazards and participate in mandatory training. Top-down management support has yielded great success in identifying hazards using the hierarchy of controls. It has also succeeded in reducing and eliminating health and safety risks and workplace hazards in the laboratory.

The Laboratory Safety Officer, Amy L. Alati, continues her work on building a risk-based, management-led, evaluation-driven safety management system for this important regional service facility. Lab safety evaluations consist of solution-driven collaborations among chemists, administrative staff, management, and Barnstable County Facilities. In FY2020, the lab's team efforts led to a comprehensive identification and correction of COVID-19 hazards and proactive emergency response actions. Staff was trained and readied for this critical service to be reopened early on in the pandemic with OSHA-compliant safety standards, a thorough lab reopening safety protocol, additional personal protective equipment, and a new pandemic response plan, and ongoing infectious disease assessments and building modifications. These measures have proven to protect staff members while providing a safe work environment for sample drop-offs from the town water departments and the public.

The lab staff continues to enthusiastically pass in-house safety inspections and complete training on a variety of subject matter such as OSHA-mandated Hazard Communication, OSHA Laboratory Standard, OSHA Bloodborne Pathogens, OSHA Emergency Action Plans such as evacuation and shelter-in-place and fire extinguisher training. To maintain its environmental compliance obligations, the lab follows all applicable EPA, state, local, OSHA, and NFPA standards.

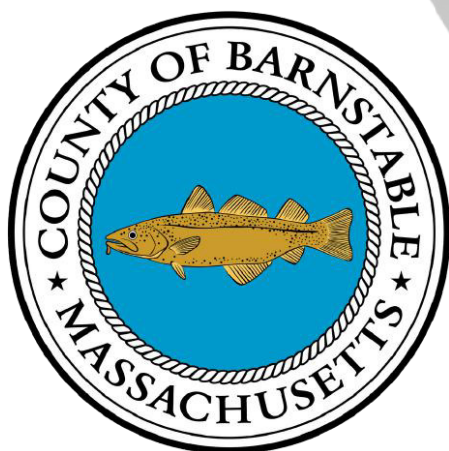
By organizing the numerous compliance initiatives in a specific health and safety planning portal, the Water Quality Laboratory continues to evolve as an efficient operation focused on risk reduction, loss prevention in terms of worker accident/injury/disability avoidance, safe engineering, and preservation of lab equipment and the prevention of environmental degradation through proper waste disposal. This translates into cost savings for the Department of Health & Environment in terms of reduced Workman's Compensation claims, OSHA/EPA regulatory liability, and insurance premium costs. A recently

completed laboratory inspection from an outside industrial hygiene consultation firm and assessed the lab's compressed gas cylinders, emergency showers/eye washes, emergency procedures, fire safety, fume hoods, hazardous and biohazardous wastes, signage, housekeeping, COVID-19 precautions, hygiene, personal protective equipment, and container labeling. The lab overwhelmingly passed this inspection while addressing some minor housekeeping issues in the form of labeling.



FY'20

Report of the **DEPARTMENT OF HUMAN SERVICES**



DEPARTMENT OF HUMAN SERVICES

3195 Main Street
P.O. Box 427
Barnstable, MA 02630
508-375-6628
www.bchumanservices.org

REPORT OF DEPARTMENT OF HUMAN SERVICES

For the Period July 1, 2019 and ending June 30, 2020



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OVERVIEW

The mission of the Department of Human Service is to plan, develop, and implement programs that enhance the overall delivery of human services in Barnstable County and promote the health and social well-being of County residents through regional efforts that improve the coordination of services.

The department has a history of organizing regional approaches that promote health and wellness for underserved populations by mobilizing a community response to needs identified through community-based research and evaluation. The department's primary role is to provide opportunities for the exchange of information and encourage growth/improvements in the focus areas identified in the Department's Human Service Plan. A full copy of the plan can be found at www.bchumanservices.net



Health & Wellness



Housing & Homelessness



Behavioral Health



Aging & Disability

HEALTHY CONNECTED CAPE COD

Healthy Connected Cape Cod is the conceptual framework that ties together the work of the Department. The principal aim is to facilitate connectedness by engaging residents, health and human service organizations, and coalitions and networks throughout Cape Cod in collaborations to plan and implement activities that promote health and well-being through community engagement and social connections.

The underpinnings of the Healthy Connected Cape Cod conceptual framework are to strengthen individual, family, and community wellness with community-based health promotion and disease prevention focus; identify focus areas based on local qualitative and quantitative data regarding assets and needs; implement evidence-based activities and practices that resonate with community members; implement activities that are culturally appropriate and accessible to people with disabilities.

BARNSTABLE COUNTY HEALTH AND HUMAN SERVICES ADVISORY COUNCIL

In 2004, pursuant to an Ordinance proposed by the County Commissioners and adopted by the Assembly of Delegates, the Department convened an advisory group made up of representatives of numerous County health and human services consortia and networks. The Barnstable County Health and Human Services Advisory Council (HHSAC), in conjunction with the Barnstable County Department of Human Services, is responsible for providing advice concerning the human service needs of Barnstable County to County elected officials and administrators.

In order to achieve broad representation on the Advisory Council, representatives from County-wide associations and collaborative networks, working groups, and task-forces are appointed by the County Commissioners in the areas of healthcare services and human services. A full listing of appointed representatives to the Health and Human Services Advisory Council can be found at www.bchumanservices.net.

AGING AND DISABILITY



SHINE

The department administers the regional SHINE Program for Barnstable County. SHINE (Serving the Health Insurance Needs of Everyone) is a state health insurance assistance program that provides free health insurance information, counseling, and assistance to Massachusetts residents with Medicare and their caregivers. In FY20, 57 highly trained volunteer SHINE counselors provided free Medicare enrollment services to over 6,100 residents at 26 host locations throughout the region. SHINE partners with 14 towns in Barnstable County.

In FY20, the Regional SHINE program staff engaged in outreach activities reaching residents from each town on Cape Cod. SHINE staff conducted 35 presentations for 1,199 people; participated in 5 health fairs reaching 165 people; and published 195 articles for COA newsletter and local media outlets.



SHINE TRAINING

HEALTH AGING OF CAPE COD

The Healthy Aging-Cape Cod (HA-CC) initiative is focused on understanding and supporting the factors associated with aging on Cape Cod in a healthy and socially connected manner. During the period 2018-2020, the HA-CC Steering Committee will oversee the completion of a regional assessment of Barnstable County as an age-friendly (AF) and dementia-friendly (DF) context and will produce an AF-DF Action Plan for the region. The Barnstable County Department of Human Services convenes HA-CC and has been awarded a grant from the Tufts Health Plan Foundation to carry out the assessment. The Steering Committee includes community leaders and organizations such as Elder Services of the Cape and Islands, Cape Cod Regional Transportation Authority, Cape Cod Healthcare, Yarmouth COA, Councils on Aging Serving Together (COAST), the Cape Commission, Spaulding Rehabilitation

Hospital, Outer Cape Health Services, the Alzheimer's Family Support Center of Cape Cod, and the United Way of Cape Cod.

BEHAVIORAL HEALTH



SUBSTANCE USE COUNCIL

In 2014 the department founded and continues to convene the Barnstable County Regional Substance Use Council (RSAC) comprised of town and community leaders from across Barnstable County. Department staff supported the Council's work in FY20.

The purpose of the RSAC is to:

- Establish a communication infrastructure across towns, providers, organizations, and individuals on Cape Cod;
- Identify needs and addresses gaps and disparities in the service system;
- Maximize interagency collaboration; and
- Maximize funding and resource opportunities.

• The department has provided the Council with an Analysis of Substance Abuse on Cape Cod: A Baseline Assessment and with an Action Plan for the period 2015-2020. The Analysis provides a snapshot of substance dependency and its related costs for Barnstable County. This informed the Action Plan, which sets forth the Council's approach to addressing substance use disorders on Cape Cod via workgroups that focus on prevention, harm reduction, treatment, and recovery initiatives.

• In FY 20 the Department managed three substance use grants from the Massachusetts Department of Public Health (MDPH):

• Massachusetts Opioid Abuse Prevention Collaborative (MOAPC). The purpose of MOAPC is to implement local

policy, practice, systems and environmental change to prevent the misuse/abuse of opioids and increase the capacity of municipalities across the region to address these issues. In FY20, the MOAPC grant supported work around sober homes, recovery support systems, and continued support for access to Naloxone (Narcan).

• Substance Abuse Prevention Collaborative (SAPC). The purpose of SAPC is to implement or amend the local policy, practice, systems, and environmental change to prevent underage drinking and other drug use and to increase the number and capacity of communities addressing these issues. In FY20, the SAPC grant-supported six projects through mini-grants in four communities totaling \$16,000. Projects included parent education events, prevention curricula for youth, and resources for youth with a parent in active addiction or recovery. In addition to the mini-grants, SAPC staff provide technical assistance and support to Barnstable County town coalitions focusing on substance use efforts in nine communities.

• Overdose Data to Action (OD2A). The purpose of OD2A is to use data to inform action. In FY 20, the department piloted a Recovery Support Navigator Program. This program provides the services of a Recovery Support Navigator from Duffy Health Center who provides support to people in early recovery. The pilot serves the Town of Dennis and referrals are made to the program by the Town of Dennis Police Department. A second pilot project supported through OD2A funding is the WellStrong Peer Wellness Coach (PWC) program. Certified Recovery Coaches with additional wellness training work with clients over 3-6 months to provide mentorship, help identify recovery and wellness strengths, weaknesses, and interests to create individualized health goals, peer-based support and accountability, navigation to helpful recovery resources, and help to establish healthy coping skills for life in recovery. OD2A grant funds also support the evaluation of the Wellstrong Peer Wellness Coach Program and the Recovery Support Navigator Pilot Program.

Barnstable County Outreach Critical Incident Management System (BCO CIMS) is a multi-faceted collaboration of three police departments in Barnstable County (Barnstable, Dennis, and Yarmouth), the Cape and Islands District Attorney's Office, and organizations supporting individuals in active addiction or recovery working together to make treatment more accessible



FY'20

for those struggling with substance use disorder. Implementation of the CIMS software allows for a comprehensive process of following up with individuals who have experienced a non-fatal opioid overdose. The initial implementation of BCO CIMS was funded via an earmark and MOAPC funding will allow the expansion of BCO CIMS to all towns in Barnstable County in FY21.

MY CHOICE MATTERS CAMPAIGN

My Choice Matters:• The department created and mobilized a highly successful county-wide public education campaign, My Choice Matters, to prevent substance use and reduce the social stigma surrounding it. This is a multi-year effort supported by the Barnstable County Regional Substance Use Council, the District Attorney's Office, and Cape Cod Healthcare. The campaign utilizes a social-norm framework which is an effective evidenced-based method of messaging that promotes health and changes behavior.

The communication objectives of the campaign utilize multiple strategies to target its message:

- Website – www.mychoicematters.net
- Social media
- Print
- Radio
- Video

In response to the youth e-cigarette/vaping epidemic, the Barnstable County Department of Human Services created a toolkit under the My Choice Matters campaign, "Escape the Vape" to provide a centralized resource to parents and caregivers who want to become more educated and better equipped to take the action that is necessary for their child's well-being. In addition to a toolkit for parents, youth, and educators, presentations were provided to parents and youth-serving organizations to learn about the impact of vaping on youth and how to respond if a youth is using these products.



In FY20, the My Choice Matters website logged 23,000page views with 6,155 views for the Escape the Vape toolkit.

CHILDREN'S BEHAVIORAL HEALTH WORKGROUP

In January 2019, Barnstable County Department of Human Services Director Elizabeth Albert and Eileen Elias, a former Commissioner of Mental Health, convened a group of stakeholders comprised of elected officials, state departments, providers, and advocates to identify barriers to providing children's behavioral health services in Barnstable County. Over a 12 month period, stakeholders from Barnstable County's children's behavioral health (BH) system met monthly to frame the issues surrounding children's behavioral health and recommend solutions. In January 2020 the Barnstable County Children's Behavioral Health Work Group released its recommendations and action plan. The Recommendations and Action Plan can be found on the department's website.

HOMELESSNESS & AFFORDABLE HOUSING

REGIONAL NETWORK ON HOMELESSNESS

The department is the convening agency for the Cape and Islands Regional Network on Homelessness. The department's director is a member of the Executive Committee and Policy Board and the department's Continuum of Care and HMIS Program Managers provide administrative support to the Network. In FY20, the Department supported this regional work by leading the community efforts for emergency housing during inclement weather and coordinating services and resources for those facing housing instability during the COVID-19 pandemic. Other priority areas for the Regional Network were Youth and Young Adult Homelessness, Elder Homelessness, outreach to Martha's Vineyard and Nantucket, and increased training opportunities for staff from partner agencies.

CONTINUUM OF CARE

The department is the Collaborative Applicant for the Cape and Islands Continuum of Care (CoC) and is responsible for developing the annual application for CoC funding. In FY20, the Cape and Islands CoC was awarded over \$1.9 million dollars to support 145 beds of permanent supportive housing for chronically homeless, disabled households. Of note, a new permanent supportive housing program for 6 homeless YYA (24 year of age and younger) was awarded funding. This is the first program in the region specifically targeting this sub-population.

YOUTH AND YOUNG ADULT HOMELESSNESS

The department is the lead agency for the Executive Office of Health and Human Services Unaccompanied Homeless Youth and Young Adult (YYA) grant. The maximum obligation for this grant increased by \$130,000 during this fiscal year to \$362,814. The subgrantees for this program provided services and resources to 130 YYA during FY20. Additionally, 37 YYA who secured housing with the assistance of subgrantees remained housed for at least 3 months, which was the highest rate in the Commonwealth.



HOMELESS MANAGEMENT INFORMATION SYSTEM

The department is the Homeless Management Information System (HMIS) lead for the Cape and Islands CoC. In addition, other key responsibilities include managing a Coordinated Entry System (CES) to access CoC-funded programs, technical assistance, reporting, implementing a new CES system in HMIS, training, and monitoring of grantees, and conducting the annual homeless counts.



HOME INVESTMENT PARTNERSHIP

The Department administers the HOME Investment Partnership Program (HOME), a federal block grant to state and local governments designed exclusively to create affordable housing for low-income households. HOME funds a range of activities for the creation of affordable rental housing and homeownership opportunities. The Barnstable County HOME Consortium (BC HOME), comprised of the 15 towns in Barnstable County, is a Participating Jurisdiction to receive and disburse HOME funds. In 2015, Barnstable County designated the Department of Human Services to act as the BC HOME program's lead agent, responsible to HUD for all administrative functions related to its operation.

For FY20, BC HOME provided grant funding for the construction of Cape Cod Village (\$250,000), a four-unit (16 single room occupancy) for autistic adults in Orleans; and for Little Pond Place (\$140,000), a 40-unit affordable rental housing development in Falmouth. Additionally, BC HOME conditionally committed funding for Terrapin Ridge (\$250,000), a 30-unit affordable rental housing development in Sandwich; for Yarmouth Gardens (\$250,000), a 40-unit affordable rental housing re-development in Yarmouth; and for Brewster Woods (\$250,000), a 30-unit affordable rental housing development in Brewster.

Additionally, BC HOME implemented a new emergency short-term rental assistance program allocating \$100,000 of HOME funds to assist County residents impacted by the COVID-19 Pandemic. This program will be administered by Housing Assistance Corporation as part of its Homeless Prevention and Workforce Housing Relief Fund to help fill the gap in assistance available through other programs.

INFORMATION SERVICES

DATA, RESEARCH, AND EVALUATION

Department's Deputy Director oversees data acquisition, localization, and presentation and provides technical assistance on research and evaluation methodology and strategies for program quality improvement. In 2019, the Deputy Director oversaw the Department's repository of synthesized local data in the key topic areas of:

Socio-demographics

Natality and mortality

Physical and emotional well-being, including mental health and substance abuse



- Access to health care and health insurance*
- Access to intensive case management services*
- Chronic disease morbidity, mortality, and prevention*
- Community and primary health services*
- Housing security*
- Food security*
- Income and poverty*
- Public Safety*
- Transportation*
- Healthy aging*

This repository presents topic-area data by population variables such as gender, age, race/ethnicity, and the town of residence. The Department has designed this repository to make it more accessible to the user and utilizes the Human Services Advisory Council to provide guidance on content and presentation. Drawing from this repository, the Department's researcher responded to a number of specific requests from County Departments, residents, nonprofits, towns, and media. Examples include:

- Barnstable County Commissioners*
- Barnstable County Health Department*
- Barnstable County Sheriff's Office/House of Corrections*
- Cape Cod Commission*
- Cape & Islands District Attorney's Office*
- Cape & Islands Regional Network on Homelessness*
- Cape Cod Healthcare*
- Cape Cod Times newspaper*
- Cape Cod Regional Transit Authority (CCRTA)*
- Duffy Health Center*
- Falmouth Enterprise newspaper*
- Gosnold on Cape Cod*
- Helping Our Women*
- Housing Assistance Corporation of Cape Cod*
- NAMI*
- Sandwich Police Department*
- Spaulding Rehabilitation Hospital*
- VNA of Cape Cod*
- WCAI Cape and Islands NPR*

Examples of local data found on the Department's website include:

Poverty Data by Town: Barnstable County and Towns, total households and population with gender and age details.

In Focus: The Demographic and Socioeconomic Landscape of Barnstable County (June 2013) which provides a broad range of indicators on the demographic and socioeconomic characteristics of Barnstable County

that are of particular relevance to the health and human services communities. The report was widely publicized and distributed to elected officials, funders, and nonprofits in the region.

Publications emanating from the RSAC work include:

Analysis of Opioid-Related Overdose Deaths on Cape Cod, 2004-2014: Implications for Trades/Service Workers and the Straight-To-Work Population (October 2017)

Additional publications from the RSAC work include:

Analysis of Substance Abuse on Cape Cod: A Baseline Assessment (March 2015)

The report provides a snapshot of substance dependency and its related costs for Barnstable County, Massachusetts. The report is intended to inform programming and policy needs as defined by the Barnstable County Regional Substance Abuse Council (RSAC).

Addressing Substance Use on Cape Cod: Action Plan (August 2015) for the Barnstable County Regional Substance Use Council covering the period 2015-2020. The Action Plan provides guidance for the work of the RSAC.

ONLINE RESOURCES

The Department's flagship website www.bchumanservices.net is the central access point to comprehensive online resources for local health and human services issues. The website provides fact sheets, educational materials, and local research publications related to the Department's initiatives. The Department's website is home to a current list of crisis hotlines with mobile links, the latest e-newsletters with sign-up and article submission information, and access to www.mychoicematters.net. In FY20, the Department's website averaged 46 visitors per day and 1,405 per month.

The Department supports a companion public health website that offers a medical library of peer-reviewed material, community health indicator data, evidence-based model programs, current legislation, related news, and a robust Health and Human Services Directory listing with 441 local agencies. In FY20 there were a total of 60,354 visits to the site averaging 164 visits per day and 158,056 total page views.

E-NEWSLETTERS

BC Human Services e-newsletter provides a wide range of information through the publication of a bi-weekly e-newsletter to over 2,000 individuals and agencies. The e-newsletter informs the health and human services community of upcoming events, training, grant opportunities, resources, and opportunities for capacity building.

The Regional Substance Use Council e-newsletter provides information on substance use across the continuum of prevention, intervention, treatment, and recovery to over 1,000 individuals and agencies.

HEALTH AND HUMAN SERVICES COLLABORATION

The Department of Human Services staff provides leadership and support to regional groups and coalitions including the Barnstable County Children's Behavioral Health Work Group, Barnstable County Regional Substance Use Council, Behavioral Health Provider Coalition, Cape and Islands Regional Network on Homelessness, Cape Cod Hospital Community Benefits Committee, Healthy Aging Cape Cod, and United Way Community Impact Committee.

In FY20 the emergence of the COVID-19 pandemic prompted specific collaborative responses lead by the Department Director to contribute staff time and organizational effort to the following activities:

- Leadership by the Deputy Director of the Emergency Homelessness Sheltering COVID-19 working group.
- Seconding of the Deputy Director to the Barnstable County Dept. of Health and Environment to support the Planning Unit of the county's Incident Command structure and to provide epidemiological surveillance and reporting during the pandemic response.
- Leadership by the Deputy Director of the County's liaison with the fifteen Council on Aging Directors.
- Participation by the Deputy Director in the Barnstable County Reopening Task Force, and leadership of its Childcare Subcommittee.

CONCLUSION

In support of our mission, in FY 20 the Department managed \$1.5 million dollars in grants from a variety of state and federal sources to support the following regional programs – SHINE, HOME, Continuum of Care, and substance use prevention grants.

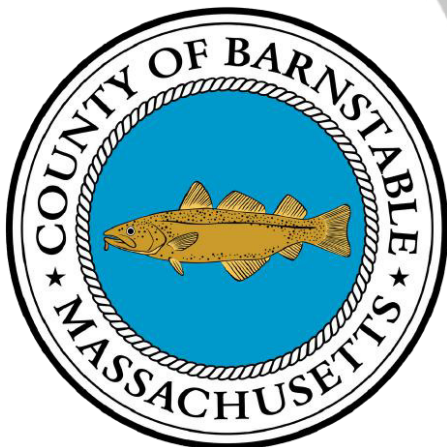
Barnstable County Department of Human Services plays an important role in facilitating communication, fostering collaboration, planning, coordination, capacity building, and resource development to improve health outcomes for the residents of Barnstable County.

Respectfully submitted,
Elizabeth Albert



FY'20

Report of the DEPARTMENT OF INFORMATION TECHNOLOGY



DEPARTMENT OF INFORMATION TECHNOLOGY

3195 Main Street
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REPORT OF DEPARTMENT OF INFORMATION TECHNOLOGY

For the Period July 1, 2019 and ending June 30, 2020

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DEPARTMENT HISTORY & MISSION

The Barnstable County Information Technology Department (BCIT) was formed in July of 2005. The mission of the Department is to provide the technical support, network infrastructure, data storage, and computation resources necessary for Barnstable County to maximize its contributions to its constituents throughout the region.

While the focus of the Department is to further the success of Barnstable County, BCIT is also one of a small number of IT departments in the State that generates revenue by selling services to other municipal agencies.

FISCAL YEAR 2020

As planned, BCIT moved forward with service transitions to improve efficiencies, while striving to deliver assistance in these same areas to towns throughout the region. The renewed contract framework assisted us in these efforts, with work continuing under this construct on through 2020. Several key unneeded services were turned down, licensing contracts were renewed for greater commitment terms to realize greater savings, while reliance on physical hardware and services hosted from the County's data center on its main campus steadily decreased.

Not everything goes according to plan, however. This report will summarize key initiatives and goals, as well as BCIT's response to maintaining operations with the onset of the pandemic. Additionally, this summary will underscore the overwhelming push-forward that many pre-existing projects received due to the global health emergency which started that same year.

FISCAL YEAR 2020 STRATEGIC OUTLINE

Many projects proceeded as planned, with more mundane delays from time to time in the first half of Fiscal Year 2020. Further migration to cloud infrastructure, in the form of virtual servers and infrastructure, proceeded, though not as quickly as anticipated—partly because of the ever-shifting of these legacy systems with modern services that often render traditional approaches requiring dedicated servers obsolete.

The continued consolidation and migration of systems ran into unexpected support due to unplanned circumstances during the second half of the Fiscal Year 2020.

CUSTOMERS

IIT Department served the following customers in Fiscal Year 2020.

- Assembly of Delegates
- Cape Cod Commission
- County Commissioners
- Children's Cove
- Dredge
- Cooperative Extension
- Facilities
- Finance
- Fire Training Academy
- Health and Environment
- Human Services
- Registry of Deeds
- Resource Development Office
- Town of Chatham
- Town of Harwich
- Town of Brewster
- Town of Truro
- Town of Wellfleet

CORE PROJECTS AND SERVICE HIGHLIGHTS

Progress was made on all long-term IT initiatives in FY 2020, with many key milestones reached along the way. The examples below outline several key projects and initiatives, most of which were able to expedite due to external circumstances previously noted.

• IT Assessments for Towns: After the first assessments were successfully performed under the new IT services contract framework in the previous fiscal year, in Fiscal Year 2020 an IT security-centric assessment was performed for the Town of Brewster.

• Transition to Cloud-managed hardware: Though a foothold in this regard has been gained primarily through the decommissioning of old devices, and the deployment of replacements, the County now has a deployment method employed that does not rely entirely on old infrastructure hosted from the Campus. Also employed is a mechanism that permanently associates hardware with the County as a legal organization, meaning that the computers and phones we purchase and deploy are recognized as owned and managed by the County of Barnstable before they are even unboxed, and with no way to sever this tie from said device. This provides us with full management of any device at any time from anywhere in the world, which increases our security posture immensely and afford our users with better support.

• Telephone Service Cancellation: A long-standing goal that is necessary for turning off the legacy phone system on the County Campus was migrating all lines away from our existing telephone service provider. This was achieved this fiscal year after the State was successfully offboarded to a separate hosted service the previous fiscal year. The cancellation of this account will save the County thousands of dollars annually and will no longer receive a traditional phone bill.

• E-Signatures: The need for increased e-signature services was made clear as the workforce became more distributed geographically. With full support from the County Administration, we were able to increase our e-signature entitlements drastically to accommodate an increase in usage. This facilitated the transition to electronic-only payroll and timesheet processing to employees, as well as the fully electronic onboarding of new employees.

• Remote work facilitation: While a jarring change for many, the hard work of previous years and investment in cloud services paid off in late FY2020, to say the least. Many individuals saw little to no difference, other than their office location, in their day-to-day operations and work habits. Individuals not yet at the point had less distance to travel in that regard as all tools necessary were in place. Going forward, it will be necessary to further refine this process and make accommodations toward business continuity a priority, regardless of what kind of circumstances we needed to employ them for.

Though there is no doubt that there will be many more unexpected challenges going forward, Barnstable County IT is committed to ensuring the viability of the County workforce for years to come.

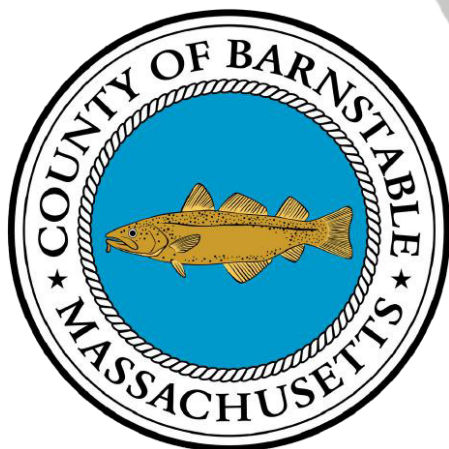




FY'20

Report of the **REGISTRY OF DEEDS**

REGISTRY OF DEEDS





BARNSTABLE COUNTY REGISTRY OF DEEDS

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508-362-7733
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info@barnstabledeeds.org

REPORT OF DEPARTMENT OF BARNSTABLE COUNTY REGISTRY OF DEEDS

For the Period July 1, 2019 and ending June 30, 2020

Recording Hours: Monday through Friday 8:00 AM - 4:00 PM

Research Hours: Monday through Friday 8:00 AM - 4:00 PM

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Judy Hendy, Coordinator | 508-375-6941**RECORDED LAND****Vacant, Supervisor**

recordedland@barnstabledeeds.org | 508-375-6938

Rene Kelly, Coordinator | 508-375-6939

The Registry of Deeds is responsible for maintaining the records of property transfers within Barnstable County. This includes all deeds, mortgages, plans, and other instruments which purport to affect the title to Real Estate on Cape Cod. The Registry is used daily by local attorneys, surveyors, title examiners, real estate professionals, and members of the general public who are trying to determine the status of particular parcels of land.

Our goal continues to be one of providing prompt, efficient, and courteous service to all those who visit our facility.

FY 2020

FY2020 saw over 95,500 documents and plans recorded at the registry. \$11,488,742.46 in County Excise Tax and \$2,481,646.00 in County Recording and Copy Fees were collected in the past fiscal year.

Electronic Document Filing

FY2020 marked our sixth full fiscal year of "eFiling" of recorded land documents. We saw our monthly volume of "eFiled" documents continue to grow from approximately 41% per month to 85% by the close of the fiscal year (Due primarily to COVID19). We continue to experience a rise in overall productivity and efficiency due to greater customer adoption of this innovative means of recording.

In August 2018 we rolled out electronic filing in our Land Court department. We started off slow with just 2% of filings in the first month but quickly saw adoption by our customer base. By the close of the fiscal year, over 26% of our Land Court recordings were being filed electronically. FY2020 saw continued utilization by our customers and by June 2020 we were doing 75% with a large part of that increase directly attributable to the aforementioned pandemic.

The registry provides use of our internet access Capeview system to all towns within Barnstable County free of charge. The towns are exempt from our \$50.00 annual fee and the \$1.00 per page copy fee. Capeview enables remote users to access the registry's over three hundred years of electronic records nearly 24 hours a day 7 days a week. Users can do title rundowns, search for liens or find records pertaining to any real estate transaction within the county. The system also provides users the ability to have documents printed in their home or office without involving registry personnel. All Assessor's offices and many town departments in the county have free accounts with us. The savings to the towns has been significant since we began offering the service over 20 years ago.

Credit Card payment processing was introduced to our website in the middle of FY 2014. This has enabled account holders to fund their accounts for printing at nearly any hour of the day without having to mail or deliver a check. It has also enabled casual users of our website to print a copy without having to open an account or mail in a copy request.

In June 2015 the registry, with the assistance of County IT, rolled out our new homepage. It was the first step in the process to update our online presence for years to come. We have used this updated medium to get registry news, changes in hours due to holidays and storms, and changes to excise tax or fee structure out to our customer base in a timely manner.

In FY2018 the registry completely overhauled our public search page. This new interface allowed compatibility across a wide range of browsers and smartphones. The registry search had gone mobile. Customers could now pull up document images wherever and whenever they wanted. This has resulted in a decrease in phone calls and the need for technical assistance when using our website.

Our website was an indispensable resource in FY2020. As news of the Pandemic seemed to be changing by the hour in its early days, we were able to update our status in real-time and keep interested parties informed of any changes to our hours of operations. Our building closed to the public in March and remote access to our records enabled real estate professionals and citizens all over the country to continue to do business. After a brief dip in April and May, volume took off in June.

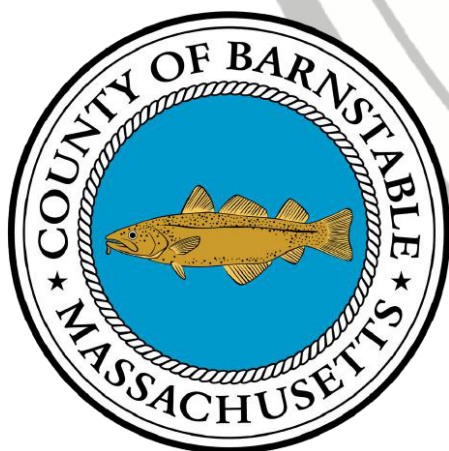
DECLARATION OF HOMESTEAD FORMS

The registry and its staff provide valuable assistance to all homeowners in Barnstable County with the preparation of the declaration of homestead forms. These forms are available free of charge at our copy counters. The cost to record a homestead is \$35.00 in both our recorded land and our registered land (Land Court) departments. The Declaration of Homestead under Massachusetts General Laws Ch.188 gives persons up to \$500,000.00 protection on their primary residences. It can be a valuable last line of defense and it is recommended to all homeowners in Barnstable County.



FY'20

Report of the
**RESOURCE DEVELOPMENT
OFFICE &
AMERICORPS CAPE COD**



RESOURCE DEVELOPMENT OFFICE & AMERICORPS CAPE COD

3195 Main Street
P.O. Box 427
Barnstable, MA 02630
508-375-6869
Fax: 508-375-6887

REPORT OF DEPARTMENT OF RESOURCE DEVELOPMENT OFFICE

For the Period July 1, 2019 and ending June 30, 2020

Julie Ferguson, Director

jferguson@barnstablecounty.org | 508-375-6879

Bobbi Moritz, Resource Development Officer

bobbi.moritz@barnstablecounty.org | 508-375-6873

Quan Tobey, Resource Development Officer

quan.tobey@barnstablecounty.org | 508-744-1251

Kayla Baier, AmeriCorps Program Coordinator

kayla.baier@barnstablecounty.org | 508-744-1262

Meredith Ballinger, AmeriCorps Program Specialist

meredith.ballinger@barnstablecounty.org | 508-375-6871

Connor O'Brien, AmeriCorps Program Supervisor

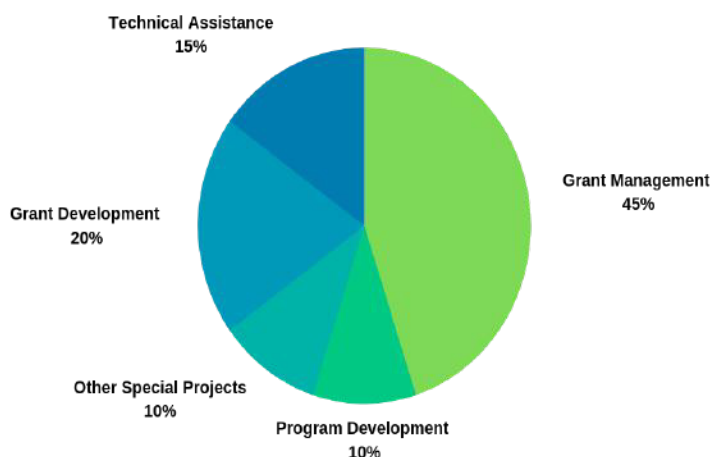
Phoebe Plank, AmeriCorps Program Supervisor

THE RESOURCE DEVELOPMENT OFFICE

The Barnstable County Resource Development Office (RDO) was established in 1994 and founded on the belief that shared concerns can be solved through regional solutions and is committed to the advancement of grant programs and creative uses of existing resources on Cape Cod. Since 1994, the office has worked to build, strengthen, and expand the capacity and resources of Barnstable County Departments and the 15 towns they serve. The mission of RDO is achieved through communication and collaboration with county departments and municipalities with a focus on grant development, fiscal management, community outreach, and education.

RDO RESPONSIBILITIES

Resource Development Office



FY20 RDO OVERVIEW AND HIGHLIGHTS

The Resource Development Office (RDO) serves the County of Barnstable through Grant Development and Grant Management. Through technical assistance with grant writing and grant management for awards, we ensure that all contracts are in compliance with the CFR 200 for all federal, state, and private grant awards and contracts.

The Resource Development Office (RDO) staff provided fiscal oversight for grants and contracts valued at over \$6 million dollars awarded by Federal, State, and Local entities. During FY20 RDO provided grant writing services, fiscal management, technical assistance, and education to several County divisions, including AmeriCorps Cape Cod, Cape Cod Cooperative Extension, Cape Cod Medical Reserve Corps, Barnstable County Regional Emergency Planning Committee, Department of Health and Environment, Public Health Nurses, Department of Human Services, Fire Academy, and Children's Cove. In addition, and as needed we have provided technical assistance to all 15 towns within the region.



FY'20

FY20 GRANTS

HEALTH AND ENVIRONMENT

United States Environmental Protection Agency (EPA):

- Southeast New England Program (SNEP): Coastal Watershed Restoration

Massachusetts Department of Public Health (DPH):

- Massachusetts Tobacco Control Program (MTCP)
- Medical Reserve Corps (MRC)
- Public Health Emergency Preparedness (PHEP)

Massachusetts Department of Environmental Protection (DEP):

- Massachusetts Alternative Septic System Program



HUMAN SERVICES

Massachusetts Department of Public Health (DPH):

- Massachusetts Substance Abuse Prevention Collaborative (SAPC)
- Massachusetts Opioid Abuse Prevention Collaborative (MOAPC)
- NARCAN Program

United States Department of Housing and Urban Development (HUD)

- Continuum of Care
- HOME Investment Partnership Program



Massachusetts Executive Office of Health and Human Services: Homeless Youth Program

Massachusetts Executive Office of Elder Affairs: Serving Health Insurance Needs of Everyone (SHINE) Program
Cape Cod Healthcare: SHINE Program

BARNSTABLE COUNTY COOPERATIVE EXTENSION

- United States Department of Agriculture (U• SDA): SNAP ED (Supplemental Nutrition Assistance Program)
- Woods Hole Oceanographic Institution (WHOI): SEA GRANT
- Massachusetts Department of Agricultural Resources (MDAR): Buy Fresh Buy Local (BFBL)
- Seaport Economic Development Council: Storm Tide Mapping

- Massachusetts Division of Marine Fisheries (DMF) - Climate Resiliency



• CHILDREN'S COVE

- United States Department of Justice: Office for Victims of Crime (OVC)- Victim of Crime Act (VOCA) – Massachusetts Office for Victim Assistance (MOVA)
- National Children's Alliance (NCA)
- Massachusetts Children's Alliance (MACA)
- Massachusetts Children's Alliance (MACA – Statewide Commercial Sexual Exploitation of Children (CSEC) Service Enhancement Project
- Massachusetts Department of Children and Families (DCF); Sexual Abuse Intervention Network (SAIN)
- Corporation for National and Community Service: Volunteers In Service To America (VISTA)



BARNSTABLE COUNTY CENTER FOR PUBLIC SAFETY

- Seaport Economic Development Council: Maritime Simulator
- Department

BARNSTABLE COUNTY INTERNSHIP PROGRAM

On Roads to Opportunity

- The Barnstable County RDO vision of building a strong, centralized internship program continues to provide value-added resources to County Departments while offering educational opportunities and professional experiences for young people who may discover their future career paths on Cape Cod.
- In collaboration with Bridgewater State University, Massachusetts Maritime Academy, and Upper Cape Technical High School, RDO successfully placed six students in unpaid internships with departments within the county during FY19. Students contributed their knowledge and gained valuable experiences within their chosen career fields.

BARNSTABLE COUNTY AMERICORPS CAPE COD (ACC)



AmeriCorps Members and staff pose for the Swearing-In with two County Commissioners, Ronald Bergstrom and Mary Pat Flynn, and County Administrator, Jack Yunis.

MISSION: AmeriCorps Cape Cod is dedicated to serving the critical environmental and community needs of Cape Cod through Natural Resource Management, Disaster Preparedness and Response, Environmental Education, and Volunteer Engagement.

The AmeriCorps Cape Cod Program is federally funded through grants from the Corporation for National and Community Service, the Massachusetts Service Alliance, and matching funds from Barnstable County. Housing is provided by Barnstable County (Pocasset House), The Town of Barnstable (Ranch House), and the Cape Cod National Seashore (Wellfleet House). The Resource Development Office is responsible for the overall supervision of the AmeriCorps Cape Cod Program.

Since 1999, the AmeriCorps Cape Cod Program continues to thrive for 20 years. Among the activities and services members provided over two decades are:

Environmental Conservation Projects

- Completed 4,320 land and water-based conservation projects

Environmental Education

- Taught over 2,400 environmental education activities to 59,354 students

Disaster Preparedness and Response Activities

- Taught 548 community disaster preparedness education, classes
- Participated in 28 disaster simulations including the 2016 Barnstable County Regional Emergency Planning Committee Train Derailment Drill
- Staffed each of the Cape's three regional shelters, as well as the Multi-Agency Coordination Center at Joint

Base Cape Cod for the first 72 hours during the 2013 winter storm "Nemo"

- Staffed each of the Cape's six regional shelters opened for public safety during 2013's Superstorm Sandy
- Responded to the historic 2012 marine mammal stranding events affecting over 175 marine mammals
- Staffed three regional shelters twice in 2018 when Cape Cod was hit with four back-to-back Nor'easters
- Set up tents for COVID-19 drive-through testing sites

Community Events

- Organized and participated in annual events including National AmeriCorps Week, National Volunteer Week, County Day of Recognition for National Service, Arbor Day, Earth Day, Harwich "Tour de Trash", Cape Cod Canal Clean Up, Barnstable County Hazardous Waste Collections, Boy Scout Emergency Preparedness Fair, Martin Luther King Jr. Day of Service, Coast Sweep beach clean-up, Project WET Festivals, Brewster Conservation Day, and Dennis Conservation Celebration

Civic Engagement

- Engaged 13,463 community volunteers in over 43,563 hours of community service
- Delivered 305 presentations about AmeriCorps, national service, community service, and/or civic engagement

Community Collaborations

- Partnered with over 150 federal, state, county, and/or town departments, schools, community groups, and non-profit agencies

Building Community

- 88% of AmeriCorps members have successfully graduated from the program.
- 112 Corps members have stayed or returned to the Cape after graduation to live and work for a period of time. Forty-four alums are currently living and working on the Cape; fourteen are working for Barnstable County or a Municipal department.
- From September 1999 to May 2020, AmeriCorps Cape Cod members have served a total of 909,746.50 hours.
- Volunteers recruited, trained and managed by Corps members have served 43,563 hours.

Estimated Value of Service to the Cape Cod Community = \$30,459,589



FY'20



After following the application guidelines, students were interviewed and selected to serve as interns with the following departments: Children's Cove: The Cape & Islands Child Advocacy Center, Human Rights Commission, Cape Cod Cooperative Extension, Commissioners' Office, and Health and Environment.

BARNSTABLE COUNTY AMERICORPS CAPE COD (ACC)

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- Responded to the historic 2012 marine mammal stranding events affecting over 175 marine mammals
- Staffed three regional shelters twice in 2018 when Cape Cod was hit with the "Four'easter"

Community Events

- Organized and participated in annual events including National AmeriCorps Week, National Volunteer Week, County Day of Recognition for National Service, Arbor Day, Earth Day, Harwich "Tour de Trash", Cape Cod Canal Clean Up, Barnstable County Hazardous Waste Collections, Boy Scout Emergency Preparedness Fair, Martin Luther King Jr. Day of Service, Coast Sweep beach clean-up, Project WET Festivals, and Brewster Conservation Day.

Fostering an Ethic of Service

- Engaged 13,045 community volunteers in over 43,145 hours of community service
- Delivered 305 presentations about AmeriCorps, national service, community service, and/or civic engagement.

Community Collaborations

- Partnered with over 150 federal, state, county, and/or town departments, schools, community groups, and non-profit agencies.

Building Community

- 88% of AmeriCorps members have successfully graduated from the program.
- 112 Corps members have stayed or returned to the Cape after graduation to live and work for a period of time. Forty-two alums are currently living and working on the Cape; fourteen alums are working for Barnstable County or a municipal department.

Estimated Value of Service to the Cape Cod Community

September 1999 – May 2019

\$29,794,048

- From Sept. 1999 to May 2019, AmeriCorps Cape Cod members have served a total of 883,575 hours.
- Volunteers recruited, trained, and managed by Corps members have served 43,145 hours.

2018-2019 ADVISORY BOARD MEMBERS

RONALD BEATY

Barnstable County Commissioner

MICHAEL LACH

Harwich Conservation Trust

RYAN BURCH

Town of Brewster

RACHEL HUTCHINSON

Town of Chatham

PHILIP BURT

Barnstable County Dept. of Health and Environment

HEATHER MCELROY

Cape Cod Commission

BRIAN SHARP

International Fund for Animal Welfare

LAUREN MCKEAN

Cape Cod National Seashore

NANCY CHURCH ST

Waquoit Bay National Estuarine Research Reserve

EVA MCKENNA

MA Coastal Zone Management

NINA COLEMAN

Town of Barnstable

JOHN OHMAN

Assembly of Delegates - Town of Dennis

JESSICA ERICKSON WHRITENOUR

The 300 Committee Land Trust

2019-2020 SERVICE PARTNERS - UPDATE

David Agger

Wellfleet Cemetery Commission

Kristin Andres

Association to Preserve Cape Cod

Andrew Bagnara

Orleans Conservation Trust/Eastham Conservation Foundation

Kelly Barber

Barnstable Land Trust

Emily Beebe

Town of Truro, Health and Conservation Department

Lyra Brennan

Mass Audubon – Long Pasture

Shana Brogden

Town of Eastham, Department of Natural Resources

Pat Brophy

The Family Pantry of Cape Cod

Joanna Buffington

Eastham Conservation

Ryan Burch

Town of Brewster, Natural Resource Department

Tom Cambareri

Cape Cod Commission

Katelyn Cadoret

Town of Mashpee, Conservation Commission

Matt Cannon

Chatham Conservation Foundation

Elisa Carey

U.S. Army Corps of Engineers, Cape Cod Canal

Nancy Church

Waquoit Bay Estuarine Research Reserve

Kalliope Chute

Barnstable County, Cape Cod Cooperative Extension

Nancy Civetta

Town of Wellfleet, Shellfish Department

Nina Coleman

Barnstable Marine and Environmental Services

Kimberly Concra

Barnstable County, Cape Cod Cooperative Extension

David Crary Jr.

Cape Cod National Seashore

Robert Daglio

Truro Conservation Land Trust

David J. DeConto

Town of Sandwich, Department of Natural Resources

John DeFoe

Cape Cod National Seashore

Judy Desrochers

Meetinghouse Farm

Julie Early

Dennis Conservation Land Trust

Mary Everett- Patriquin

Housing Assistance Corporation

Timothy Famulare

Town of Provincetown, Environmental Planning and Conservation Department

Ashley Fisher

Town of Mashpee, Department of Natural Resources

Sophia Fox

Cape Cod National Seashore

Mary Kay Fox

Friends of Mashpee Wildlife Refuge

Tim Friary

Cape Cod Organic Farm

Catie Fyfe

Mass Audubon, Long Pasture

Katherine Garofoli

Dennis Conservation Land Trust/ Buzzards Bay Coalition



FY'20



FY'20

Judith Giorgio
Town of Chatham, Department of Health and Environment

Chris Gonnella
Town of Barnstable, DPW - Structures & Grounds Division

Kelly Grant
Town of Yarmouth, Conservation Commission

Hillary Greenberg-Lemos
Town of Wellfleet, Health and Conservation Department

Hilary Greene
American Red Cross Massachusetts

Sarah B. Griscom
Pleasant Bay Community Boating

Doug Guey-Lee
Town of Wellfleet, Health and Conservation Department

Dick Hilmer
Town of Orleans, Department of Natural Resources

Will Holden
Barnstable Land Trust

Rachel Hutchinson
Town of Chatham, Shellfish Department

Ian Ives
Mass Audubon – Long Pasture

Mark Kasprzyk
Town of Falmouth, Conservation Commission

Sean Kortis
Barnstable Marine and Environmental Affairs

Michael Lach
Harwich Conservation Trust

Liz Lewis
Town of Barnstable, Marine and Environmental Natural Resources

Maura Lyons
Nauset Youth Alliance

Christina Lovely
Town of Falmouth, Marine and Environmental Services

Tyler Maikath
Harwich Conservation Trust

Dennis Conservation Land Trust

Tom Marcotti
Town of Barnstable, Marine and Environmental Natural Resources

Chuck Martinsen
Town of Falmouth, Marine and Environmental Services

Joseph Maruca
West Barnstable Fire Department

Meg Materne
Barnstable Clean Water Coalition

Laura McCullough
Family Pantry of Cape Cod

Lauren McKean
Cape Cod National Seashore

Andrew McManus
Town of Mashpee, Conservation Department

Elizabeth Migliore
Town of Dennis, Department of Natural Resources

Dennis Minsky
Town of Provincetown, Open Space and Harbor Committees

Agnes Mittermayr
Center for Coastal Studies

Geneva Mommsen
National Marine Life Center

Allison Murphy
NOAA National Marine Fisheries Service

Misty Niemeyer
International Fund for Animal Welfare

Joshua Nigro
Massachusetts DCR Forest Fire Control

Russel Norton
Barnstable County, Cape Cod Cooperative Extension

Kristen Patchett
International Fund for Animal Welfare

Nicole Paine
Town of Eastham, Department of Natural Resources

Katharine Parsons
Mass Audubon, Long Pasture

Timothy Parsons
Town of Yarmouth, Department of Natural Resources

Tim Pasakarnis
Cape Cod Commission

Jeremiah Pearson
Town of Falmouth Parks Department

Gislaine Peters
Mass Audubon Coastal Waterbird Program

Lillie Peterson-Wirtanen
Barnstable Land Trust

Andrew Platt
Barnstable County Department of Health & Environment

Dick Pooley
Falmouth Service Center, Falmouth Community Garden

John Pribilla
U.S Army Corps of Engineers, Cape Cod Canal

Heinz Proft
Town of Harwich, Department of Natural Resources

Francie Randolph
Sustainable CAPE

Jim Rassman
Waquoit Bay National Estuarine Research Reserve

Chief Paul Rhude
Cotuit Fire Department

Heather D. Rockwell
Barnstable Clean Water Coalition

Becky Rosenberg
Town of Wellfleet, Recreation Department

Nicole Smith
Town of Harwich, Harwich Conservation Department

Diane Speers
Bourne Society for Historic Preservation-Valley Farm Thrift Shop

Jill Talladay
CARE for the Cape and Islands

Jeff Thibodeau
Brewster Conservation Trust

Daniel Tobin
Town of Chatham, Parks and Recreation Department

Amy Usowski
Town of Harwich, Conservation Department

Shona Vitelli
East Falmouth Elementary School

Mike Walker
Barnstable County Department of Health & Environment

Christopher Watt
Truro Center for the Arts at Castle Hill

John White
Bourne Friends Food Pantry

Paul Wightman
Town of Chatham, Conservation Department

Emily Wolfe

Mass Audubon, Wellfleet Sanctuary

Joshua Wrigley

Town of Sandwich, Department of Natural Resources

Martin Wunderly

Town of Barnstable, Conservation Division

John York

Bourne Society for Historic Preservation-Valley Farm Thrift Shop

Rick York

Town of Mashpee, Department of Natural Resources

Janet Young

Center for Coastal Studies

Kathy Zagzebski

National Marine Life Center

Alexandra Zollo

The 300 Committee Land Trust

2018-2019 INDIVIDUAL PLACEMENTS

Pocasset and Ranch Houses

Barnstable County Department of Health & Environment
Regional Emergency Planning/ Preparedness Education

Barnstable Clean Water Coalition
Stormwater Sampling

Barnstable Land Trust
Program Development and Volunteer Engagement

Cape Cod Cooperative Extension
WET Festival, Hazardous Waste Mitigation, and Native Plant Project

Mass Audubon Coastal Waterbird Program and Long Pasture Sanctuary
Educational Outreach and Bird Monitoring

Town of Dennis: Department of Natural Resources and Dennis Conservation Trust
Community Engagement and Land Stewardship

Town of Barnstable: Natural Resources Department
Shellfish Propagation & Education

Town of Falmouth: Conservation Commission and The 300 Committee Land Trust
Land Management Coordination

Town of Falmouth: Marine and Environmental Services
Shellfish Propagation & Education

Town of Mashpee: Natural Resources
Shellfish and Water Quality Restoration

Town of Sandwich: Department of Natural Resources
Shellfish Propagation and Land Stewardship

Waquoit Bay National Estuarine Research Reserve
Environmental Education- Community Outreach

West Barnstable Fire Department
Community Outreach and Strategic Disaster Planning

Wellfleet House

American Red Cross - Cape Cod and Island Chapter
Preparedness Education

Association to Preserve Cape Cod
Outreach Coordination

Barnstable County Department of Health & Environment
Regional Emergency Planning Committee

Cape Cod National Seashore
CACO Fire Volunteer Coordination

Cape Cod National Seashore
National Seashore Planning

International Fund for Animal Welfare
Marine Mammal Education and Response

Town of Brewster: Department of Natural Resources and Brewster Conservation Trust
Brewster Natural Resources Collaboration

Town of Chatham: Department of Natural Resources and Pleasant Bay Community Boating
Chatham Coastal Shellfish Survey

Town of Dennis: Department of Natural Resources and Dennis Conservation Trust
Community Engagement and Outreach

Town of Eastham: Department of Natural Resources
Vernal Pool Certification and Oyster Planning and Outreach

Town of Harwich: Department of Conservation, Harwich Conservation Trust, and Chatham Conservation Foundation
Advancing Conservation Land Stewardship

Town of Orleans: Nauset and Orleans Conservation Trust
Land Management and Volunteer Outreach

Town of Provincetown: Planning & Conservation Department
Land Management & Chapter 91 License Analysis

2019-2020 SERVICE PROJECTS

Water Education Festivals (WETFest)



Andrew Schwitzgebel, Pocasset House Member
Members taught over 1,200 students about groundwater, water quality, and other water issues relevant to Cape Cod through experiential learning activities.



FY'20

Schools include:

**Bourne Middle School
School**

Cape Cod Academy

Nauset Youth Alliance

Orleans Elementary School

Provincetown Schools

Truro Central Schools

Wixon Innovation School

Bournedale Elementary

Monomoy Middle School

Oak Ridge School

Peebles Elementary School

Quashnet Elementary School

U.S. Army Corps Canal Day

Mass Audubon Coastal Water Bird Program

Installed fencing and signage with Mass Audubon Coastal Water Bird Program to protect federally and state-listed Piping Plover and Least Tern population at:

Locations:

Craigsville Beach (Barnstable), Long Beach (Barnstable), Kushy Marsh (Barnstable), Dead Neck Sampson's Island (Barnstable), Squaw Island (Barnstable), Scussett Beach (Bourne), Ellisville Beach (Bourne), Hardings Beach (Chatham), Forest Beach (Chatham), Ridgevale Beach (Chatham), Trunk River (Falmouth), Menauhant Beach (Falmouth), South Cape Beach (Mashpee), New Seabury Beach (Mashpee), Popponesset Beach (Mashpee), Great Island (Yarmouth), Seagull Beach (Yarmouth), East Sandwich Beach (Sandwich)

BARNSTABLE

Bayview Farm Brushcutting

Assisted Barnstable Land Trust with brush cutting and mowing Bayview Farm field.

Boardwalk Prep

Cut and expanded trail in preparation for an accessible boardwalk and wildlife viewing deck with Barnstable Land Trust.

Cape Cod Extension Invasive Removal

Assisted the Cape Cod Extension to remove invasive species surrounding farm buildings.

Enchanted Forest at Mass Audubon Long Pasture Sanctuary

Members led nighttime tours and educated the community about wildlife at the Sanctuary.

Fuller Farm

Removed invasive pitch pine and bittersweet to maintain field habitat with the Barnstable Land Trust.

Halloween Safety Day

Assisted West Barnstable Fire Department with setup, facilitation of safety education games and activities, and clean-up of the event.

Hyannis Ponds Fuel Reduction

Members served with Massachusetts DCR to Forest Fire Control to create a fuel break and improve fire access road.

Meetinghouse Farm

Assisted Meeting House Farm with removing invasive undergrowth, staging burn piles in preparation for the creation of a labyrinth garden, and maintaining community garden plots.

Mill Pond Overlook Fence Installation

Assisted Barnstable Land Trust with installing split rail fencing at Mill Pond Overlook.

Ropes Field Split Rail Fence Replacement

Served with Barnstable Land Trust over two days to remove and replace rotted split rail fencing.

Shellfishing at Scudder Landing and Coves Point

Seeded quahogs at Coves Point, sank oyster cages at Scudder Landing, removed bio-fouling, and repaired quahog nets for the Barnstable Shellfishing Department.

Swift Avenue Meadow Restoration

Helped Barnstable Land Trust remove bittersweet roots to control further growth in preparation for the installation of the wildflower garden.

BOURNE

Pumpkin Patch Unloading

Assisted Bourne and Cataumet Methodist Church to unload 2,500 pounds of pumpkin to benefit the Bourne Friends Food Pantry.

Sagamore Hill Trail Maintenance

Served with the Army Corps of Engineers Cape Cod Canal to remove vegetation encroaching on the Sagamore trail system.

Valley Farm Community Garden Pumpkinfest

Participated in Valley Farm's annual Pumpkinfest by assisting with general setup and cleanup of the day of the event. Members also facilitated pumpkin-themed children's games.

BREWSTER

Brewster Community Garden

Spent multiple days with the Brewster Conservation Trust installing mesh fencing around the Brewster Community Garden to prevent the intrusion of rodents.

Gear Maintenance

Assisted the Brewster Department of Natural Resources with maintaining and constructing shellfish propagation gear.

Hawk's Nest Farm

Spent multiple service days with the Brewster Department of Natural Resources to remove pitch pine trees as part of an ongoing project to reclaim native meadow habitat.

MacGregor Property

Spent multiple service days pruning the vista overlooking Smith Pond, removing vegetation debris and invasive species, and constructing and burning brush piles.



FY'20

Mother's Bog

Removed pitch pine saplings at Mother's Bog Conservation Area to restore native cranberry bog habitat with the Brewster Department of Natural Resources.

Nickerson State Park Chainsaw Training

Participated in a multi-day chainsaw training with the Massachusetts Department of Conservation and Recreation. Helped to buck, limb, and fell trees at Nickerson state park and remove them to reduce forest fire fuel.

Oyster Cull

Culled and sorted oysters with the Brewster Department of Natural Resources at the town grant site at Mants Landing.

Oyster Overwintering

Helped remove oysters from the town grant site at Mants Landing before culling and storing the oysters at the Brewster Department of Natural Resources' office building in preparation for overwintering.

Punkhorn Parklands Conservation Area

Spent multiple service days maintaining Calf Field Pond and Seymour Pond trails with the Brewster Department of Natural Resources.

Slough and Walker Pond Herring Runs

Removed vegetation and debris from herring runs between Slough Pond and Walker Pond to increase flow and movement.

Stony Brook Herring Run

Removed overgrown vegetation along the herring run and stone walls of the Grist Mill with the Brewster Department of Natural Resources.

Wing Island Restoration and Trail Maintenance

Spent multiple days removing invasive species to restore marsh habitat and maintain trails on Wing Island with the Brewster Department of Natural Resources.

CHATHAM**Atwood House Exploratory Trail**

Removed invasive vegetation with the Chatham Conservation Foundation to create an exploratory trail at the Atwood House.

McCoy Tree Farm

Spent multiple service days helping the Chatham Conservation Department clear trails of downed and damaged tree material at the McCoy Tree Farm Conservation Area.

Menekish Property

Removed invasive plant and tree species at the Menekish Property with the Chatham Conservation Foundation.

Mill Creek & Taylor Pond

Spent multiple service days raking and broadcasting quahogs at Mill Creek and Taylor's Pond with the Chatham Shellfish Department.

Oyster Broadcasting

Helped the Chatham Shellfish Department broadcast oysters into Stage Harbor.

Star Bog Invasive Removal

Removed invasive plant species with the Chatham Conservation Department to clear the parking area at Star Bog Conservation Area.

Stetson's Cove Oyster Retrieval

Removed oysters and propagation gear from Stetson's Cove with the Chatham Shellfish Department in preparation for broadcasting and overwintering.

Upweller and Gear Maintenance

Spent multiple service days helping clean the Chatham Shellfish Department's upweller at Stage Harbor and organizing propagation gear at the Department's gear yard.

DENNIS**Blueberry Patch**

Members pruned several town-owned blueberry patches with the Dennis Department of Natural Resources in preparation for the upcoming growing season.

Cole's Pond Bog

Members assisted the Dennis Conservation Land Trust with installing bog bridges and general trail maintenance at Cole's Pond Bog.

Remote Set Bag Construction

Assisted Municipal Shellfish Departments with the Dennis Department of Natural Resources with filling bags with crushed sea clam shells supplied by the Barnstable County Cooperative Extension.

Scargo Lake Herring Run

Served with the Dennis Department of Natural Resources to clear debris, branches, and trash from the herring run between Scargo Lake and Sesuit Creek.

Spooky Stroll

Dressed up and acted as various native nocturnal animals during an educational night walk at the Dorothy Connors Bell Conservation Area with the Dennis Conservation Land Trust.

Whitfield Johnson & Shoop Garden Conservation Area

Removed bittersweet and other invasive species from the town-owned conservation areas with the Dennis Department of Natural Resources.

EASTHAM**Black Locust Sapling Removal**

Removed black locust saplings from a parcel owned by the Eastham Conservation Foundation to prevent commercial powerline companies from using chemical herbicides for management.



Herring Run Clean-Up

Cleared two herring runs with the Eastham Department of Natural Resources by removing thatch buildup, trimming tree branches, and removing debris prior to the migration of herring into the ponds.

Oyster Cull

Spent multiple service days culling, sorting, and cleaning oysters from float bags in Salt Pond with the Eastham Department of Natural Resources in preparation to be broadcasted into the river for recreational permit holders.

Sandy Meadows Conservation Area

Spent multiple service days felling, dragging, and chipping pitch pine trees to reclaim native heathland habitat with the Eastham Department of Natural Resources.

FALMOUTH

Bourne Pond Oyster Overwintering

Served with the Town of Falmouth Department of Marine and Environmental Services over multiple days to remove propagation gear and transport oysters to the overwintering site.

Building Oyster Bags

Constructed and repaired oyster bags for propagation with the Town of Falmouth Department of Marine and Environmental Services.

Cardoza Grassland Parcel Management

Assisted the 300 Committee Land Trust with removing and uplimbing Norway maples and red cedars to preserve field habitat.

Coonamessett River Trail Signage

Served with the Falmouth Conservation Commission and the 300 Committee Land Trust to install signage along the Coonamessett River trail system.

Drainage Improvements at Waquoit Bay National Estuarine Research Reserve

Members assisted Waquoit Bay staff with creating drainage ditches and rain gardens.

Moraine Trail Maintenance

Members assisted The 300 Committee Land Trust to prune hiking trails and remove downed trees.

Teaticket Park Cleanup

Assisted The 300 Committee to brush cut and provide general cleanup at Teaticket park.

Two Ponds

Members cleared vegetation growth around handicap accessible boardwalk.

Waquoit Bay Oyster Farm Breakdown

Served with the Town of Falmouth Department of Marine and Environmental Services, NOAA, U.S. Fish & Wildlife to break down oyster farms in Waquoit Bay, record data on the farms, and re-distribute oysters to recreational harvest area.

HARWICH

Coastsweep 2020

Assisted with event setup, volunteer registration, and garbage pickup at beaches throughout Harwich.

Eyes on Owls

Assisted with event setup, greeting and assisting attendees, and registration. The event was hosted by the Harwich Conservation Trust.

Harwich Family Pantry Garden Production Garden Prep

Assisted the Harwich Family Pantry to repair a fence, weed garden beds and plant wax beans and green beans for the upcoming garden season.

Harwich Family Pantry Winterize Garden Beds

Assisted the Harwich Family Pantry to winterize their garden beds.

Hawksnest State Park

Helped the Massachusetts Department of Conservation and Recreation fell trees and buck and limb downed material to clear trails of hazards and blockages.

Marceline Arboretum Invasive Removal

Removed invasive species and edged around native tree species with the Harwich Cemetery Department in preparation for the official opening of the Marceline Arboretum.

Muddy Creek Headwaters

Cleared the parking area of surrounding invasive vegetation and helped maintain trails on the property with the Harwich Conservation in preparation for the official opening of the Muddy Creek Headwaters Conservation Area.

Osprey Palooza

Helped the Harwich Conservation Trust repair and install osprey poles at Salt Meadow Lane and Red River Beach.

Pleasant Bay Woodlands

Removed invasives, and constructed and burned brush piles with the Harwich Conservation Trust to restore open field habitat at the Pleasant Bay Woodlands Conservation Area.

South Harwich Meetinghouse: Halloween Unhinged and Boar's Head Festival

Participated in multiple theatrical, community engagement events at South Harwich Meetinghouse to celebrate Halloween and Epiphany.

Thompson's Field

Spent multiple service days removing invasive tree and plant species, constructing, and burning brush piles with the Harwich Conservation Department to maintain meadow and heathland habitat.



FY'20

MASHPEE

Fitch Trail Stair Building

Spent multiple service days with the Mashpee Conservation Department to remove and replace rotted trail stairs and re-grade a hill at the trailhead.

Mashpee Herring Run Clean-Up

Members partnered with the Mashpee Conservation Department and Mashpee Wampanoag AmeriCorps members to clear herring runs of vegetation and debris.

Mashpee River Woodlands Trail Maintenance

Remove downed trees and vegetation encroaching on trails.

Oyster Cage Construction

Assisted the Mashpee Shellfish Department with building oyster propagation gear.

Scout Fair

Assisted the American Red Cross of the Cape, Islands, and Southeast Massachusetts to educate scouts about first aid and disaster preparedness.

Trailhead Kiosk Construction

Members assisted the Friends of Mashpee Wildlife Refuge with constructing a trailhead kiosk.

Quashnet River Restoration

Members served with Trout Unlimited to remove sweet gale along the riparian zone of the Quashnet River.

ORLEANS

Flint Site Management

Removed invasive species with the Orleans Conservation Trust and built burn piles for the upcoming burn season.

Nauset Beach Shorebird Fencing

Helped install symbolic fencing at Nauset Beach for the Town of Orleans Statewide Habitat Conservation Plan for Endangered Shorebird Species (Piping Plovers and Least Tern).

PROVINCETOWN

Salt Hay Collection

Delivered salt hay collected along Province Land Road to Truro Public Library to be used as mulch in gardens.

SANDWICH

Brady's Island Trail Construction

Served with the Sandwich Department of Natural Resources to remove brush, and vines, and cut a vista trail.

Cook's Farm Vegetation and Tree Removal

Assisted the Sandwich Department of Natural Resources with clearing vegetation along trails and removing hazardous trees.

Herring Run Clean-Up

Served with Sandwich Department of Natural Resources to clear blockages from the herring run at Mill Creek and Shawme Farm.

Maple Swamp Trail Clearing

Spent multiple days serving with the Sandwich Department of Natural Resources to clear and construct new trails at the Maple Swamp Conservation Land.

Shellfishing at Mill Creek

Served multiple days with the Sandwich Department of Natural Resources culling oysters, removing biofouling from cages, and spreading oysters in the recreational harvest areas at Mill Creek.

Talbot's Point Parking Lot Expansion

Spent multiple service days with the Sandwich Department of Natural Resources clearing 1/2 acre of vegetation and trees in preparation for the expansion of trailhead parking.

YMCA Camp Burgess Property Maintenance

Members assisted YMCA Camp Burgess staff with winterizing garden beds and chipping brush piles.

TRURO

Sustainable CAPE Children's Art Show

Assisted with cleaning and hanging artwork for a seed-themed children's art show at the Truro Public Library.

WELLFLEET

Chipman's Cove

Removed juvenile oysters from hats used to collect oyster spat with the Wellfleet Shellfish Department in preparation for a donation of more juveniles.

Culch Bag Construction

Helped stuff culch bags with recycled sea clam shells with the Wellfleet Shellfish Department.

Gear Maintenance and Organization

Helped clean and organize gear with the Wellfleet Shellfish Department at the Department's gear yard.

Grant Site Management

Harvested quahogs in preparation for broadcasting, swept clam nets and moved oyster seed at the town grant site with the Wellfleet Shellfish Department.

Great Island Pavement Removal

Members assisted the Town of Wellfleet Health and Conservation Department to remove pieces of asphalt from an old landing.

OysterFest

Served with the National Marine Fisheries Service and the Shellfish Promotion and Tasting (SPAT) to collect and recycle oyster shells from festivalgoers for later use to replenish oyster reefs in the Wellfleet Harbor.



FY'20

OysterFest Road Race

Assisted the Wellfleet Recreation Department during the OysterFest Road Race by handing out water along the race route.

Shellfish Signage Installation

Helped the Wellfleet Shellfish Department install signage to signify locations where shellfishing is permitted.

Tagging Oyster Bags

Tagged shell bags with identification tags with the Wellfleet Shellfish Department for the upcoming growing season.

Wellfleet Bay Wildlife Sanctuary Sea Turtle Open House

Assisted with setup, facilitation of sea turtle-themed arts and crafts, and closeout at Wellfleet Bay Wildlife Sanctuary's annual Sea Turtle Open House.

Wellfleet Cemetery Beautification

Removed debris and invasive species with the Wellfleet Cemetery Commission at Pleasant Hill and Oakdale Cemeteries.

Wellfleet Harbor Conference

Assisted partnering organizations with conference setup, registration, and closeout.

Wellfleet Trail Maintenance

Maintained trails at and cleared debris from Indian Neck Beach, Head of Duck Creek Conservation Property, Fox Island Marsh Conservation Lands, and Charles and Adelaide Walker Family Conservation Lands with the Wellfleet Conservation Trust and the Wellfleet Health & Conservation Department.

YARMOUTH

Mill Creek Park Clean-Up

Served with Yarmouth Conservation Department to remove invasive brush and prep decorative plants for winter.

Cape Cod National Seashore

Marconi Game Habitat Restoration

Spent multiple service days felling, bucking, limbing, and burning pitch pine trees to restore wild game habitat within the National Seashore.

Ponds Day

Planted native plants, repaired water bars and secured jute around various ponds within the National Seashore, and removed damaged straw wattles from Nauset Light Beach.



This past year was an important milestone for the AmeriCorps Cape Cod program. We celebrated our 20th anniversary. With AmeriCorps Cape Cod Alumni, current members, service partners, friends, and family. We gathered to celebrate by participating in beach clean-ups and eating amazing local food. Thank you all for your continued love and support!



DARLENE JOHNSON-MORRIS AWARD

Darlene Johnson-Morris is the founder and original visionary for the creation of AmeriCorps Cape Cod. Darlene was able to garner investment from community stakeholders to get the program off the ground and continued to grow and adapt the program to the needs of Barnstable County. After leading the AmeriCorps Cape Cod program for 17 years, Darlene retired in 2017. To honor her dedication and service to the AmeriCorps Cape Cod program and Barnstable County, the program established the Darlene Johnson-Morris Award in Year 18 of the program. Each year, one member receives the Darlene Johnson-Morris award. Program staff selects the award recipient based on the member's commitment to community service and by going above and beyond to demonstrate a service ethic.

Year 18 Award Recipient: Matthew O'Keefe

Year 19 Award Recipient: Mollie Thompson

Year 20 Award Recipient: Rachel Robinson

Year 21 Award Recipient: Nicholas Banning

Thank you for your service!