



2016-2017 AMERICORPS CAPE COD NEEDS ASSESSMENT





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Service Partner Feedback

In mid-December 2016, AmeriCorps Cape Cod reached out to 75 of their Service Partners to assess the impact the program has had on their organizations. The list of Service Partners included local, state, federal, and non-profit entities that focus on natural resource management, conservation, and disaster preparedness and response.

Each Service Partner was asked to respond to three open ended questions:

- How has AmeriCorps Cape Cod assisted your organization?
- If AmeriCorps Did not exist, how would that impact the work that you do?
- What value do you believe the AmeriCorps Cape Cod program brings to Barnstable County?

Responses focused on a few key areas that display the value the AmeriCorps Cape Cod has to Barnstable County.

The first major benefit to the county is that the program brings in 32 energized young people who have a dedication to national service, environmentalism, and conservation. These members greatly assist land managers in performing large scale conservation projects in a timely, economically viable, and skilled manner. Without the program, an economic burden would be placed on these partner organizations or they would simply have a large decrease in the amount of land that is properly managed.

“ACC provides each town with an option to fulfill projects that might otherwise be tabled due to lack of manpower. Our department greatly benefits from the assistance of AmeriCorps for our larger projects. Each year, when planning our yearly calendar of proposed projects the assistance of AmeriCorps Cape Cod members is necessary when allotting time and resources.”

*-Dick Hilmer
Deputy Natural Resources Officer
Department of Natural Resources
Town of Eastham*

“Much of the work that AmeriCorps Cape Cod does is the hard, dirty work that many groups don't want to do. Removal of invasive plants is a crucial service that is often overlooked. Every infestation that isn't treated becomes a new source for future spread. It's good to know that there is a group out there trying to keep these species in check. I've been impressed with the motivation, maturity, and attitude of crew members at these events. The work is tough, and the weather has been awful at times, and I didn't hear a single complaint. I never felt as though a crew member was slacking off. In addition to supporting the work we do, the program provides a temporary stop for some incredible people that will be a benefit to the local workforce, and gets them some good experience.”



*-Matt Panella
Lead Natural Resources/ITAM Technician
MA Army National Guard
Bourne/Sandwich*

“If AmeriCorps Cape Cod did not exist, we would struggle to implement many of the improvements that have been made on our Conservation lands. ACC volunteers have been an invaluable resource to our Town, not just for the Conservation Dept, but also our Shellfish Constable, who has relied heavily on ACC assistance with the town's shellfish propagation program.”

*-Drew McManus
Conservation Agent
Town of Mashpee Conservation Dept.
Mashpee*

Another major benefit of the program can be seen in the number of members who remain on Cape Cod to continue to serve with Land Trusts, Town Departments of Natural Resources, and various other Cape Cod organizations. The program has approximately 40 alums still working in Barnstable County including:

- Kerri Ann Tirrell - FEMA
- Amy Kukulya – Woods Hole Oceanographic Institution, Senior Engineering Technician
- Ryan Burch – Town of Brewster, Natural Resources Assistant/Assistant Harbormaster
- Jessica Whritenour – 300 Committee Land Trust, Administrator
- Mike Maguire – Barnstable County Cape Cod Cooperative Extension, Director
- Margaret Song - Cape Light Compact, Residential Program Manager
- Emily Wolfe – Massachusetts Audubon Wellfleet Bay Wildlife Sanctuary, Day Camp Director
- Ryan Grady Lucier – Barnstable County Health Department
- Rachel Hutchison – Town of Chatham, Shellfish Propagation
- Jennifer Burkhardt – Provincetown Center for Coastal Studies, Research Assistant
- Matt Cannon – Harwich Conservation Trust, Director of Land Stewardship; Chatham Conservation Foundation, Director of Land Stewardship
- Austin Brandt – Cape Light Compact, Power Supply Planner
- Elizabeth Migliore – Orleans Conservation Trust, Director
- Amy Usowski – Town of Harwich, Conservation Agent
- Katherine Garofoli – Dennis Conservation Trust, Director



“The number of former AmeriCorps Members that serve in key positions within the towns of Cape Cod demonstrates the importance of this programming to our area. They earn valuable on-the-job training and expertise during their year, or two, of service as well as an appreciation for the unique environment and community that we have here. Staying here and filling jobs enriches our community with their values and experience.”

*-Nancy Church
School and Interpretive Program Coordinator
Waquoit Bay National Estuarine Research Reserve
Falmouth*

The program serves to network different organizations who would traditionally not work together but who have similar goals. It allows for a holistic approach to conservation on Cape Cod. This can be seen through collaborative Individual Placements where one member serves three days a week in one town, such as Brewster, where the member spends one day at the Town’s Department of Natural Resources, one day with the Town’s Conservation Trust, and one day with another town based non-profit, such as Brewster Ponds. These placements allow collaboration to make conservation land more manageable and accessible to the public.

“I believe ACC helps tie together Barnstable County. The members spend time in each town and help to build the community between the towns. ACC provides a valuable resource that many of the organizations within the county rely on. They provide full-time assistance to the county by providing temporary assistance to different organizations within the county.”

*-Rachel Hutchinson
Shellfish Propagation Specialist
Town of Chatham - Shellfish Department
Chatham*

Increased tourism results from having land that is managed and accessible. ACC works to increase the amount of land that is usable by tourists through sand dune preservation, trail building, invasive species removal, hazard removal, and shellfish propagation.

“AmeriCorps value is immeasurable. If the Town of Sandwich does not maintain the environmental jewels mentioned above the town loses valuable tourism dollars because these are some of the things tourists come to see in Sandwich. As well as quality of life issues for the citizens of Sandwich to enjoy these environmental jewels.”

*-David DeConto
Asst. Dir. Dept. of Natural Resources
Town of Sandwich, MA
Sandwich, MA*



"The value that AmeriCorps Cape Cod brings to Barnstable County is quantifiable in the environmental work they do and our commitment to our "blue economy." The eco-tourism that Cape Cod relies on is underpinned by the work AmeriCorps Cape Cod does for our "green economy."

*-Kalliope Egloff
Hazardous Materials Environmental Specialist
Cape Cod Cooperative Extension
Barnstable Village*

While members are valuable in themselves with the service they provide. They have also helped to leverage an immense amount of community volunteers. Many members work during the week to build stewardship groups for the conservation groups that they work with. The three signature programs that AmeriCorps Cape Cod coordinates, MLK, Jr. Day of Service, National Volunteer Week, and Canal Cleanup, allows hundreds of community members of all ages to get involved in community service and give back to their community.

"Part of a member's service is to facilitate several interdisciplinary work groups - the park's Green Team, Ponds Workgroup and Highlands Center Partners Committee. Members work seamlessly with park staff and non-profit partners and are integral team members."

*-Lauren McKean
Park Planner
Cape Cod National Seashore
Wellfleet*

"AmeriCorps serves as an important networking tool between non-profit organizations and municipalities county-wide. Often accomplishments in one town will benefit another without having to reinvent the wheel. One case in point: a Conservation Land Stewardship Manual was developed by one town through their IP member and then shared with other towns and land trusts."

*-Kristin Andres
Director of Education & Outreach
Association to Preserve Cape Cod
Dennis*

Water quality continues to be a major issue on Cape Cod. ACC has developed a close working relationship with the town shellfish officers and has continued to help the work of George Heufelder, Director of the Massachusetts Alternative Septic System Test Center. The future of the Cape relies on these services.



“Through the years, the AmeriCorps service members have added significantly to the ability of our unit to produce and maintain the highest level of output toward addressing the issues of wastewater on Cape Cod and in particular the onsite disposal. This is a key environmental issue relating to eutrophication in the marine settings, pathogen transport and the treatment for contaminants of emerging concern. I believe that there has been a huge benefit to both ourselves and the service members (who generally leave with a beneficial addition to their resume).”

*-George Heufelder
Director
Massachusetts Alternative Septic System Test Center
County*

A full selection of responses can be found in Appendix A.



Community and Environmental Impact

In addition to the information provided by our service partners, it is important to note the community and environmental impact over the last 18 years of the program. Since 1999, AmeriCorps members have diligently addressed critical environmental and disaster preparedness and response needs within our community and expanded volunteering opportunities for our community members. In the past 17 years, members have participated in the following activities:

Environmental Conservation Projects – Completed 3,455 land and water based conservation projects

Environmental Education – Taught 2,135 environmental education activities to 53,879 students

Disaster Preparedness and Response Activities

- Taught 513 community disaster preparedness education classes
- Participated in 25 disaster simulations including the 2016 Barnstable County Regional Emergency Planning Committee Train Derailment Drill
- Staffed each of the Cape's three opened regional shelters as well as the Multi-Agency Coordination Center at Otis Air Force Base for the first 72 hours during 2013 winter storm "Nemo"
- Staffed each of the Cape's six opened regional shelters during 2013's Superstorm Sandy
- Responded to historic 2012 marine mammal stranding events affecting over 175 marine mammals

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 11,458 community volunteers in over 37,578 hours of community service
- Delivered 271 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

- 96.5% of AmeriCorps members have successfully graduated from the program.



- 106 Corps members have stayed or returned to the Cape after graduation to live and work for a period of time. Forty-two are currently living and working on the Cape; 18 are working for Barnstable County or a Town department.

Estimated Value of Service to the Cape Cod Community = \$21,616,290.00*
September 1999 – June 2016

- From Sept. 1999 to June 2016, AmeriCorps Cape Cod members have served a total of 758,010 hours.
- Volunteers recruited, trained and managed by Corps members have served 37,578 hours.

* **Source:** The Independent Sector sets the State and National Volunteer Rate each year. (\$29.00 for 2015)



Appendix A: Full Service Partner Responses

Matt Penella

**Lead Natural Resources/ITAM Technician
MA Army National Guard
Bourne/Sandwich**

We have had AmeriCorps Cape Cod crews on base several times, assisting our Natural Resource Department with invasive plant removal, and grassland management. The presence of a motivated group allows us to get large areas maintained in a short amount of time. We would have to hire more staff, or contract more work. Alternatively, we would not be able to maintain our grassland units, and they would become poor habitat for the state-listed and rare species that occur there.

Much of the work that AmeriCorps Cape Cod does is the hard, dirty work that many groups don't want to do. Removal of invasive plants is a crucial service that is often overlooked. Every infestation that isn't treated becomes a new source for future spread. It's good to know that there is a group out there trying to keep these species in check. I've been impressed with the motivation, maturity, and attitude of crew members at these events. The work is tough, and the weather has been awful at times, and I didn't hear a single complaint. I never felt as though a crew member was slacking off. In addition to supporting the work we do, the program provides a temporary stop for some incredible people that will be a benefit to the local workforce, and gets them some good experience.

Hillary Greenberg

**Health and Conservation Agent
Town of Wellfleet
Wellfleet**

They have assisted with land management projects that are time sensitive, giving them priority at times when town staff could not. Our work and response times would be significantly slower. Being able to leverage a house of people is extremely useful when projects need to be completed. The value is indescribable, the members are an inspiration and a great source of labor for land management projects.

Hilary Greene

**Executive Director
American Red Cross
Barnstable**

We would not be able to serve the community as we need to, to ensure that our community is prepared as possible in case of emergency or disaster. The American Red Cross is 91% volunteer staffing and we cover a large territory. Having the AmeriCorps members here to focus on Barnstable County and



help us roll out their presentations all throughout our chapter area would not be happening without AmeriCorps.

It brings fresh faces, insights, energy and overall expertise to our community to make it healthier, safer and more prepared. Having the influx of new people every year helps give all of the participating agencies a fresh look at the programs and services they bring to the community. Every year, AmeriCorps has either created a new presentation, brochure, or other training resource to the Red Cross and we all learn from their placement with us.

Francie Randolph

Founding Director

Sustainable CAPE - Center for Agricultural Preservation & Education

Truro

We would not be able to take on the projects that we do in the same depth. For instance, we would not have been able to double the size of the school gardens at the Truro Central School. Instead we might have been able to add one more bed. The same goes for the Wellfleet School the next year. In addition, we would have not had the database organization that our Agricultural Fair currently has - it was an AmeriCorps volunteer who focused on setting up that system which now enables us year after year to track and thank our hundreds of volunteers.

"AmeriCorps brings a youthful energy to the Cape and a ""can do"" attitude. The kids are wonderful and fun to get to know. Each one of them that I've met has been sincerely interested in helping the world and contributing to our Cape Cod community in a meaningful way.

Furthermore, I have known several former members who have decided to stay on the Cape and live and work here year round, bringing much-needed youth to the Cape's demographics. They make us smile. Thank you for all you do for Cape Cod, AmeriCorps!

Kalliope Egloff

Hazardous Materials Environmental Specialist

Cape Cod Cooperative Extension

Barnstable Village

AmeriCorps Cape Cod member placed on the Cape Cod Cooperative Extension coordinates Wet Festivals, an educational, interactive science and environment fair at county schools for 3-6 graders. Wet Fest focuses in on our unconfined, sole-source aquifer and the protection of that precious drinking water source. The member also works with all 15 towns in collecting difficult-to-manage wastes, such as mercury, flares, and sharps.

If AmeriCorps Cape Cod did not exist, Barnstable County would not be able to offer Wet Festivals to area schools. Involving our youngest stakeholders in their rare and uniquely-designated drinking water source is invaluable.



Difficult-to-manage wastes would not be removed in a such an efficient manner from towns.

The value that AmeriCorps Cape Cod brings to Barnstable County is quantifiable in the environmental work they do and our commitment to our "blue economy." The eco-tourism that Cape Cod relies on is underpinned by the work AmeriCorps Cape Cod does for our "green economy."

Our department is grateful for the support AmeriCorps Cape Cod has given over the years. Thank you.

Shannon Jarbeau
CRS & Floodplain Coordinator
Cape Cod Cooperative Extension
Barnstable

AmeriCorps members have helped me collect data on high water marks using a crowd-sourced smartphone app. The data is collected over time and will inform long-term tide and sea level rise data. Without AmeriCorps, there would not be enough people out at the right time to collect the high tide data.

I do not have an Individual Placement this year, but my IP last year helped me to create outreach materials and undertake a signage project with four towns; neither of which I would have been able to accomplish on my own in that timeframe. This means that towns are earning additional credit in the Community Rating System for both the brochures and signs, and more people are informed about flood risks and safety measures on Cape Cod."

I would not be able to collect the tidal data that AmeriCorps has now been helping me collect for two years. That project would cease until other volunteers could be gathered, which would likely take years given other projects currently underway. The volunteer assistance that I receive helps provide me with information that will enable me to better inform citizens about flooding. Outside of my work with AmeriCorps, I believe the program brings the most value through assisting with managing recreational and conserved lands, invasive species removal, staffing shelters when necessary, and the wildfire protection accomplished through the fire corps.

Drew McManus
Conservation Agent
Town of Mashpee Conservation Dept.
Mashpee

If AmeriCorps Cape Cod did not exist, we would struggle to implement many of the improvements that have been made on our Conservation lands. ACC volunteers have been an invaluable resource to our Town, not just for the Conservation Dept, but also our Shellfish Constable, who has relied heavily on ACC assistance with the town's shellfish propagation program.



ACC is a tremendous resource for Barnstable County. Volunteers provide an invaluable service that helps to supplement a town's lack of staffing and labor for various projects, ranging from education and emergency preparedness to land management and improvement projects.

I fully and wholeheartedly support continued funding for AmeriCorps Cape Cod. I've experienced a wonderful working relationship with AmeriCorps volunteers each year of my 11 year employment history with the Town of Mashpee and I hope to see this relationship grow and continue well into the future. ACC volunteers are hardworking, dedicated and a joy to work with year in and year out. Please make sure this program continues to be funded as it is one of Barnstable County's greatest assets.

Russell Norton
Extension Educator
Cape Cod Cooperative Extension
Barnstable

AmeriCorps has been extremely valuable providing labor and tools to assist with the maintenance of Cape Cod Cooperative Extensions Municipal Nursery. AmeriCorps has also been valuable resource providing invasive species control at both the County Farm in Barnstable and Cape Cod Fairgrounds in Falmouth.

The impact on the Cape Cod Cooperative Extension Municipal Nursery would be significant as the cost to maintain and operate such a service would potentially be prohibitive.

AmeriCorps provides a great service to organizations that otherwise are unlikely to be able to fund such projects that result in the environmental sustainability of Cape Cod.

Dennis O'Connell
President
Wellfleet Conservation Trust
Wellfleet, MA

ACC has been a great help to our all-volunteer local land trust in two primary ways:

1. The ACC members have been the coordinator for our Land Stewardship and monitoring programs by creating and documenting our files so that our volunteers can inspect properties. This took good general computer and mapping skills. By using the same member, the Town has mimicked the trust land management programs.
2. When we have property maintenance, trail building and trail maintenance activities that require active manpower, ACC has greatly supplemented and, at times, carried the brunt of the physical labor on such projects thereby helping our aging volunteers. Our land stewardship activities would require considerably different and more manpower than we readily have in our volunteer pool and with our limited funding. Some of the jobs would not get done, or perhaps, get done as well as they do.



ACC brings a vitality to Cape Cod that gets the most out of our all-volunteer local land trust. By having high visibility in a diverse set of projects, the publicity and awareness of the value of ACC is easily transferred to other groups and functions.

ACC has been extremely valuable to our all-volunteer local land trust. The members bring an enthusiasm and vitality that is very helpful to the various activities on Cape Cod.

Nancy Church

**School and Interpretive Program Coordinator
Waquoit Bay National Estuarine Research Reserve
Falmouth**

Member support has greatly increased the capacity of our organization to provide quality environmental programs and facilitate scientific field studies with local middle and high school students. We are able to serve 2 classes at once rather than one, saving school transportation costs and increasing teacher's ability to gain approval to visit our Reserve. We often rely on the member's youthful perspective and social media savvy to infuse new life into programs and forge connections to students. Through their service, the members are role models for students and are asked to introduce themselves and provide information about the program before each program. This provides values education beyond what students learn through the environmental content of the programs. Group projects have allowed us to move forward on large scale habitat restoration projects that could not be accomplished by staff alone. Budget cuts over the years have left us with one year-round staff person responsible for maintaining our 2800-acre Reserve and another who leads all of the stewardship efforts. Having members participate in activities like Park Serve Day has allowed us to effectively and efficiently clean-up and conduct necessary maintenance to be ready for the busy summer season.

Our school programs and number of students we serve would greatly decrease.

There would be a backlog of big land management to be done.

The Park would be in less than desirable condition for our visitors.

Habitat restoration efforts would be greatly slowed down.

The energy, enthusiasm and work effort of the members has increased the effectiveness of efforts across the Cape in the areas of habitat restoration, shellfish propagation and environmental education. The man hours of labor provided by members makes light work of projects that may seem overwhelming to town conservation and local agency staff. The Cape's older demographics sometimes translates into a volunteer base that might be enthusiastic may not have the stamina for some of the intensive habitat work needed in each of the towns. This is even true for volunteer educators that are unable to spend a full day in the field with a large group of students. The number of former AmeriCorps Members that serve in key positions within the towns of Cape Cod demonstrates the



importance of this programming to our area. They earn valuable on-the job training and expertise during their year, or two, of service as well as an appreciation for the unique environment and community that we have here. Staying here and filling jobs enriches our community with their values and experience.

Brian Everett
Natural Resource Officer
Natural Resources Dept.
Dennis

Conservation lands and shellfish programs would suffer greatly from the lack of assistance from AmeriCorps. The progress that the town has made with ACC assistance would be greatly hindered and in the end, its residents would not be able to enjoy the natural resources to its fullest extent

The Members bring a hard work ethic and a willingness to learn. Their dedication to the community of Barnstable County inspires volunteers and residents to help on projects that might be overlooked or difficult to accomplish.

Martin Murphy
Taylor Bray Farm Preservation Association
Yarmouth

Over the years, AmeriCorps has cleared brush on our pasture fencing, reclaimed old blueberry bushes so the community can harvest berries in the summer. They built a boardwalk into the blackflats marsh which is enjoyed by tourists and residents. They planted trees to replace ones lost due to storm damage.

We are an all-volunteer nonprofit organization with limited resources. AmeriCorps has made it possible for the organization to obtain grant money by providing labor to offset project costs.

The many projects done in Barnstable County benefit the residents of Cape Cod. The members of AmeriCorps always work hard and accomplish the goals set out for the project in a professional manner. They make it possible for our organization to do projects we would not be able to do with our limited resources. They are always willing to help in any way possible.

Lauren McKean
Park Planner
Cape Cod National Seashore
Wellfleet

Group service projects greatly improve protection of the shoreline of the park's fragile kettle ponds and restoration of heathlands. Fuel management and prescribed burn activities are skillfully conducted by the FireCorps alongside our Fire Management Officer. Initiatives by our Individual Placement members include: environmental planning and advancement of the national seashore as a Climate



Friendly Park, arts and science collaborations of the Highlands Center partners, and increased volunteer recruitment in invasive species control and fire management.

AmeriCorps brings value-added service to the seashore versus routine work. The resource management, planning, maintenance and fire management goals we are able to achieve would not be as superior as they are without the extra boost from so much dedicated assistance.

The quality of your program and the abilities and passion of the members is a continuing legacy of Barnstable County AmeriCorps Cape Cod. The combined contributions of all of the members and staff to the County is immense. So many towns get assistance to complete natural restoration and community endeavors that would likely not get done without ACC.

Just last year AmeriCorps developed, coordinated and executed work plans for National Volunteer Week here at Cape Cod National Seashore. The week was a smashing success with over 55 completed projects in 14 different locations, park maintenance involvement, 1,085 service hours provided by 31 members of AmeriCorps Cape Cod, 300 hours of service provided by 67 community volunteers, and over \$45,000 of added, no-cost value to the seashore in just five days.

AmeriCorps members have a strong commitment to the environmental planning and sustainable actions of the NPS. We have worked on facility upgrades, public art events, and on kettle pond erosion control revegetation and improvements due to overuse at pond beach areas. ACC has been central to our annual greenhouse gas emissions inventory reporting and enhancing our waste recycling education initiatives.

Part of a member's service is to facilitate several interdisciplinary work groups - the park's Green Team, Ponds Workgroup and Highlands Center Partners Committee. Members work seamlessly with park staff and non-profit partners and are integral team members.

We are so pleased to be on this journey of service to the country with you through our long-standing partnership. We extend our sincere thanks for all the work that you, your staff, and the members contribute to Cape Cod National Seashore and the local towns.

Jeff Thibodeau

**Land Acquisition and Stewardship Specialist
Brewster Conservation Trust
Brewster**

AmeriCorps has helped with environmental stewardship projects via group work days and has assisted all our efforts with Member placements. We would have less help on some of our important projects that require more manpower than we have and can afford. Tremendous value.



George Heufelder
Director
Massachusetts Alternative Septic System Test Center
County

AmeriCorps has allowed me the time to complete research on wastewater treatment technologies that I otherwise would not have been able to do. In addition, the hands-on help has assisted in the development of constructed wetlands.

I would not have been able to make as much progress toward researching the area of nutrient addition to the our marine embayments that originate from onsite wastewater.

There are a number of synergistic values. Their dedication to the positions that they hold have inspired the regular staff and refreshed their own enthusiasm. There is also a very practical value - that of having another set of hands to complete the work.

Through the years, the AmeriCorps service members have added significantly to the ability of our unit to produce and maintain the highest level of output toward addressing the issues of wastewater on Cape Cod and in particular the onsite disposal. This is a key environmental issue relating to eutrophication in the marine settings, pathogen transport and the treatment for contaminants of emerging concern. I believe that there has been a huge benefit to both ourselves and the service members (who generally leave with a beneficial addition to their resume).

Heinz Proft
Natural Resources Director
Harwich Natural Resources
Harwich

Over many years AmeriCorps Cape cod has helped with the herring run migration route and shellfish laboratory.

My projects would take much more time. Projects would not be done as efficiently or thoroughly.

It brings a large, motivated work group to Cape Cod Environmental programs. In terms of dollar value - many man/woman hours are provided to the towns.

Kristin Andres
Director of Education & Outreach
Association to Preserve Cape Cod
Dennis

In my former position as Conservation Agent for the Town of Chatham, AmeriCorps was invaluable in assisting with conservation land management projects - all of which would not have been



accomplished due to a minimal town budget for such things. Projects accomplished either by group or individual placement on town conservation properties included invasive species removal projects, fence installation, trail signage, removal of litter, trail maintenance, mapping of trails, etc.

In the past at APCC, an AmeriCorps IP assisted with volunteer salt marsh monitoring program. This year, our IP will assist with our herring run monitoring program through the development of an educational video and other materials which will enhance this valuable program.

Having an individual placement this year at APCC who brings with her expertise and skills, is helping to expand our organization's capacity to engage volunteers, organize events and educational workshops, develop educational materials and assist with creating a native plant database. I am especially thrilled to know about the new media group this year, who I hope will be working with us to document restoration projects and help us with educational videos for use on public access TV.

Certainly, it would be an immense loss to municipalities who have limited budgets and employee resources, particularly in conservation departments to undertake conservation land management projects. Given our demographics on Cape Cod, the youthful labor of AmeriCorps to undertake physical work is critical from installing fencing, to removal of invasive species or trail work. Without AmeriCorps, we would lose a great resource and many projects would simply not be undertaken.

PROJECTS ACCOMPLISHED. Again, while we may have access to many volunteers, these volunteers are past retirement age and frankly, having a team of young environmentalists helps get projects done that require physical labor. They provide an important youthful view of the world while in turn they gain exposure to the environmental issues of Cape Cod first hand.

NETWORKING. AmeriCorps serves as an important networking tool between non-profit organizations and municipalities county-wide. Often accomplishments in one town will benefit another without having to reinvent the wheel. One case in point: a Conservation Land Stewardship Manual was developed by one town through their IP member and then shared with other towns and land trusts.

SCHOOL OUTREACH. Programs like ""WetFest"" brought to the schools and other programs geared toward kids is especially valuable and because it's delivered by a group of 20-something year olds, it is especially engaging and effective!" Having worked with AmeriCorps since its inception, overall I have found the organization to be professional and the caliber of its members outstanding. The program has not only has made a positive impact on Cape Cod, but each year has helped inform the next generation about the values of Cape Cod and its natural resources. One only has to look at the number of past AmeriCorps members who now have important roles in the Cape Cod community.



David DeConto
Asst. Dir. Dept. of Natural Resources
Town of Sandwich, MA
Sandwich, MA

AmeriCorps has helped our department complete many projects that would not otherwise be done due to lack of resources. i.e. aquaculture of oysters, maintenance of herring runs, trail maintenance, etc.

Due to the very small size of our department's workforce (3 full time field employees) we could not maintain many of our town's programs. i.e. aquaculture, trail maintenance, herring run maintenance, etc.

AmeriCorps value is immeasurable. If the Town of Sandwich does not maintain the environmental jewels mentioned above the town loses valuable tourism dollars because these are some of the things tourists come to see in Sandwich. As well as quality of life issues for the citizens of Sandwich to enjoy these environmental jewels.

All of the AmeriCorps members that have served with our Department have been very professional and wonderful in their interaction with the public at large which is extremely important for a municipal agency.

Rachel Hutchinson
Shellfish Propagation Specialist
Town of Chatham - Shellfish Department
Chatham

AmeriCorps Cape Cod assists the Chatham Shellfish department in large scale shellfish related projects that would be impossible to undertake with just department staff. ACC provides experienced individuals who are able to complete large scale labor tasks in short amount of time.

ACC Individual Placements also allow our department to work on small scale research projects that would be impossible for our staff to spend time on. If ACC did not exist we would have to reconsider the amount of work that our department could realistically do without extra assistance.

The work that our IP completes would not get done. I believe ACC helps tie together Barnstable County. The members spend time in each town and help to build the community between the towns. ACC provides a valuable resource that many of the organizations within the county rely on. They provide full-time assistance to the county by providing temporary assistance to different organizations within the county.

Individually as organizations we would not be able to fill the need with standalone volunteers.



ACC has assisted Chatham for the full 18 years of its history and has left a positive mark on this town.

Dick Hilmer

**Deputy Natural Resources Officer
Department of Natural Resources
Town of Eastham**

AmeriCorps assists the Town of Eastham with larger projects that would not be completed in a timely manner without the member's participation.

AmeriCorps assists the Town of Eastham with larger projects. If AmeriCorps Cape Cod did not exist the projects would still get done, but they would not be completed in a timely and cost effective way. Having a staff of four Natural Resources Officers, staffing would be stressed and budget depleted.

ACC provides each town with an option to fulfill projects that might otherwise be table due to lack of man-power. Our department greatly benefits from the assistance of AmeriCorps for our larger projects. Each year, when planning our yearly calendar of proposed projects the assistance of AmeriCorps Cape Cod members is necessary when allotting time and resources.



Appendix B: Year 17, September 2015 – July 2016, Group Service Projects

WET Fest:

9/25/15 Eastham Elementary School, Eastham
10/23/15 Laurel School, Brewster
11/13/15 Monomoy Middle School, Chatham
12/4/15 Mattacheese Middle School, W. Yarmouth
12/11/15 Mattacheese Middle School, W. Yarmouth
1/8/16 Oak Ridge School, Sandwich
1/11/16 Oak Ridge School, Sandwich
1/22/16 Barnstable Intermediate School, Barnstable
2/5/16 Barnstable Intermediate School, Barnstable
2/12/16 Quashnet Elementary School, Mashpee
3/4/16 Bournedale Elementary School & Peebles Elementary School, Bourne

Taught over 1,370 students about groundwater, water quality, and other water issues relevant to Cape Cod through experiential learning.

Barnstable:

Red Lily Pond Coalition (11/2 and 11/9/15)
Performed extensive phragmites removal in herring run and along river banks.

Scudder Lane (11/16 and 12/15)
Set oysters with Barnstable Shellfish Department.

Bridge Street Landing (11/20, 5/23, 6/6)
Culled and broadcasted 1400 quahogs with the Barnstable Shellfish Department.

County Tree Farm (10/23 and 12/8-11)
Removed natural debris and invasive species.

West Harbor (12/09 and 12/10; 1/28)
Served with Barnstable County DNR in which the group completed shellfish propagation, quahog collection, and basic maintenance around department.



Halls Creek.(3/28/16)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

Meeting House Farm (4/29,6/13)

Created and Maintained a trail on the farm and performed general farm maintenance for the summer.

Bourne:

Sagamore Hill (1/15/16)

Served with the U.S Army Corps of Engineers to remove and eradicate trees and other vegetation at this historic site.

Cape Cod Canal Railroad Bridge (1/15/16)

Removed small scrub oak and autumn olive to maintain endangered heathland habitat.

Mashnee Dike (2/22/16)

Ousted scrub oak, autumn olive, honeysuckle, and cedar to maintain the endangered heathland habitat.

BourneDale Herring Run(4/8)

Served with the U.S. Army Corps to clean up the BourneDale Herring Run.

Brewster:

Stony Brook Herring Run (10/5, 10/9 and 1/15)

Cleared herring run to increase flow and stabilized banks with Brewster Department of Natural Resources and Brewster Alewife Committee.

Laurel School (10/23)

WetFest.

Punkhorn Lands (11/20)

Reduced risk of wildfire potential through brush-cutting 100 ft fire break on either side of service road. Approx. 10 acres.



Punkhorn Lands (12/1)

Recycled shells from restaurants and the town's shellfish program through making culch bags. Created habitat for juvenile shellfish to grow on as well as oyster reefs which help in breaking up wave energy and reducing erosion.

Quivett Marsh Vista (12/1 and 12/3)

Removed invasive vegetation on property owned by Brewster Conservation Trust.

Wing Island (12/2; 06/01; 06/03)

Promoted habitat diversity, improves residential safety from spread of wildfire through brush cutting 2 acres.

Stony Brook Herring Run (12/4)

Moved bags of cement for dam building.

Nickerson State Park (12/7 – 12/09; 1/04-15; 1/29; 2/22)

Improved Ecological health of forest by thinning of forests and reducing fire risk.

Brewster Flats (1/15)

Brought oysters in off the flats for the winter.

Chatham:

Causeway Quahogs (11/2, 5/13)

Harvested and broadcasted quahogs with Chatham Shellfish Department.

Stage Harbor Oysters(11/6)

Culled oysters with Chatham Shellfish Department.

Monomoy Middle School (11/13)

WetFest.

Monomoy National Wildlife Refuge (12/4)

Removed old wooden posts from beach, removed trash, and inspected burn area.



Monomoy Island (11/09)

Controlled burn to reduce excess vegetation to improve the nesting habitat for common terns and Roseate terns, a federally endangered species. 33 acre were burned.

Chatham Conservation Trust (11/24)

Removed black locusts, tree of heaven, and privet to restore a natural meadow landscape.

Menekesh Corner (3/7)

Continued to remove invasives and restore a natural meadow, as well as burning large piles of debris previously stacked with Chatham Conservation Foundation.

Monomoy National Wildlife Refuge (4/22)

Posted seasonal closed area signs to protect beach nesting birds.

Oyster Pond Beach (4/8, 4/25)

Hauled oyster cages out of water, emptied cages and bags, and placed oysters into clean bags and fresh cages for the summer with Chatham Shellfish Department.

Dennis:

Scargo Herring Run (11/20, 3/25)

Cleared overhanging vegetation from banks of herring run to improve flow and accessibility for herring with Dennis Conservation Trust.

Scargo Vista Clearing (12/22)

Removed invasive species and allow for continued use for recreational activity.

Bound Brook Herring Run(4/1)

Removed debris and other objects that were blocking the path of the Herring Run with the Dennis DNR.

Crowe's Pasture(4/1)

Served with the Dennis DNR to remove trail debris to remove any vegetation blocking the various trails on the parcel.



Cove Road Property(5/20)

Removed invasives, with the Dennis Conservation Trust, from an upland forest habitat in an attempt to reclaim the land for the native plant species.

Pond Street Blueberry Patch(6/6)

Served with the Dennis DNR to spread mulch and remove overgrown vegetation in the town owned blueberry patch.

Eastham:

Eastham Elementary (9/25)

WetFest.

Salt Pond Oyster Cull (10/26)

Culled and cleaned oysters and broadcast at Salt Pond with Eastham Department of Natural Resources.

Fort Hill (11/13; 11/16)

Restored historic vista through brush cutting black locusts and pitch pines. Preserved rare open habitat on Cape Cod. with a prescribed burn.

Richardson Field Rx Burn (11/17)

Reduced wildfire risk by creating a protective barrier around the residence at one of the CCNS-owned residences.

Salt Pond Visitor Center (2/2; 3/22)

Cleared 1 acre surrounding the Salt Pond Visitor Center of CCNS through cut, pile, burn and prescribed burning.

Nauset Light Beach Bitter Sweet Removal (02/16)

Reduced fuels around Nauset Light by clearing .1 acres of Bitter Sweet

Little Creek Parking Lot (2/23)

Served to clear black locust trees and beautify this portion of CCNS.

Skiff Hill Invasives Removal (3/22/16)

Enhanced .25 miles of existing trail at Fort Hill.



Doane Rock (05/11)

Reduced fuels around Doane Rock through a prescribed burn of .3 acres

Stevenson House (05/12-13)

Reduced wildfire risk through pile burns and performed a prescribed fire at one of the many CCNS-owned parcels to create fire breaks in surrounding forests. Rx burn 3 acres

Elementary School (5/20)

Rehabilitated outdoor classroom and trails to pond, and removed invasives and poison ivy to allow children and teachers to use the area for education and play.

Falmouth:

Crane Wildlife Management Area (10/8)

6 acre Rx burn with DCR.

Falmouth Service Center (10/9)

Assisted FSC volunteers and employees with prepping garden beds for winter, installed fencing, performed general maintenance and removed invasive species from the garden.

Town of Falmouth (10/19)

Herring run adjacent to Sousa Conservation land. Cut brush with hand tools and power tools, cleared debris like leaves and branches, moved rocks and large obstacles.

Quashnet River(2/29)

Continued the process of maintaining and restoring the Quashnet River, with Trout Unlimited, for the Brook Trout and Herring populations by cutting sweet gale and placing Christmas trees along the river banks.

Bristol Beach(3/28)

Members planted beach grass at Bristol Beach in Falmouth, with the Falmouth Beach Department, to reduce and prevent erosion.

Trunk River(5/13)

Assisted the Oyster Pond Environmental Trust in removing phragmites to allow Oyster Pond to flush and maintain a healthy environment.



Peterson Farm(6/3)

Served with the Town of Falmouth Conservation Department and the 300 Committee to remove overgrown vegetation from a historic structure on the property.

Breivogel Parcel(6/3)

Served with the Town of Falmouth Conservation Department and the 300 Committee to remove juvenile phragmites shoots in the newly created vernal pools on the property.

Harwich:

Thompson's Field Management (11/30; 1/11-15; 1/27; 3/11)

Mitigated wildfire risk and restored open grassland through cut, pile, and burning.

Bank Street Beach (2/29)

Relocated access path by removing beach grass from ideal path location and planting grass on existing path with the Harwich Conservation Department.

Harwich Herring River (3/25)

Cleared the river with Harwich Natural Resources Department to allow herring to migrate by cutting and removing fallen trees and all other brush obstructing fish passage.

Coy's Book Trail and Lee Baldwin Trail (4/25)

Lopped trails, removed invasives, and cleaned up garbage with the Harwich Conservation Trust.

Bells Neck Conservation (4/25)

Removed invasive plants, replanted native species, pruned and cleaned up trails, and felled hazard trees with Harwich Conservation Department.

Family Pantry of Cape Cod (5/2)

Prepared Pantry production garden for the growing season by cleaning, turning and preparing beds.



Mashpee:

Mashpee Shellfish Little River Boatyard (10/26)

Counted, measured, and broadcasted 534,379 quahogs.

Mashpee Tribal Headquarters (10/26)

Mitigated wildfire risk through a 12 acre prescribed burn.

Mashpee Police Department (10/30,4/25)

Served with the Mashpee Shellfish Department to build oyster and Quahog cages.

Mashpee Conservation Dept. (12/14, 12/28, 3/14)

Maintained, built, and removed rubbish on numerous paths and trails on Town of Mashpee Land.

Popponesset Beach(3/28)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

South Cape Beach(3/28)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

Mashpee Neck(5/2)

Performed maintenance on oyster cages in the water to prepare them for the summer season.

Orleans:

Nauset Regional Middle School Maintenance (11/2)

Refilled sand in memorial garden, weeded gardens, maintained and improved trail with help from the Town of Orleans.

Cheney Road (11/6)

Removed invasives and maintained trail with Orleans Conservation Trust. Cut dead trees, trimmed vegetation on trail, and removed brush piles.

Mill Pond Valley (11/9)



Removed invasives and trimmed vegetation on trail with Orleans Conservation Trust.

White's Lane Conservation Area (11/5)

Prescribed 2 acre burn with Orleans Conservation Trust.

Putnam Farm Water Line (12/14)

Installed seasonal irrigation line by laying line and installing uprights for plots, backfilled trench, and removed invasive species with Town of Orleans.

Boland Pond Trail (12/28-30)

Removed hazard trees from trail and enhanced the space to be used as an outdoor learning space.

Sarah's Pond (12/28)

Removed invasive species at Orleans Conservation Trust's Keller Property near Sarah's Pond to keep invasives from spreading further in a wooded and grassland conservation area.

Namequoit Bog (4/6)

Served with Orleans Conservation Trust to burn piles of dead plant material to advance ecological succession goals.

Orleans Elementary School (4/29)

Built raised garden beds, planted native grasses, taught a pollinator lesson to students, and planted a pollinator garden for Orleans Conservation Trust.

Eldredge Playground (4/29)

Planted trees with Orleans Tree Department to add shade to the playground.

Mauch Gift(5/6)

Performed invasive removal with Orleans Conservation Trust to maintain the current property.

Kent's Point (5/6)

Improved eroded walking paths by introducing wood chips with Orleans Tree Department.



Great Oak Road (5/9)

Removed invasive plant species with Orleans Conservation Trust.

Theresa's Way (6/3)

Weeded beds built by previous AmeriCorps members with Orleans Tree Department.

Provincetown:

Winthrop Street Cemetery Clean-up (12/15)

Cleaned and removed overgrown invasive plants and other brush, especially around headstones, down trees, and branches. Gathered cut material for Provincetown DPW to pick up.

Province Lands Fire Management(2/19 and 04/12)

Cut, piled, and burned pitch pines at the Provincelands Visitor Center in Provincetown in an effort to restore heathland, mitigate fire risk, and restore scenic vistas

Herring Cove Beach (2/1, 5/23)

Walked the beach with the Center for Coastal Studies, collected and sorted 4147 pieces of trash. Returned in May to shatter our record with over 10,000 pieces of trash collected.

Center to Coastal Studies (2/1)

Sorted invertebrate samples to contribute to the Center for Coastal Studies' project of mapping invertebrates on the seafloor.

B-Street Garden (5/16)

Cleared and mulched pathways, painted signs to label community garden beds, and built a compost bin.

Sandwich:

Mill Creek Boardwalk (11/6)

Floated trays on kayaks and canoes to boardwalk and broadcasted oysters underneath the boardwalk and cleaned oyster trays with the Sandwich DNR.



Camp Edwards Cantonment Area(1/4/16)

Bourne House and Wellfleet House served with the Army National Guard to remove Invasive Honeysuckle and Autumn Olive.

East Sandwich Beach(3/28)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

Spring Hill Beach(3/28)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

Town Neck Beach(3/28)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

Town Neck Beach(5/9)

Dug over 50 holes for the installation of symbolic fencing in an effort to protect the dunes.

Shawme Pond(4/4)

Served with the Sandwich DNR to remove debris in nearby herring runs and trails.

Camp Burgess and Hayward(5/16, 5/23)

Utilized wood splitters to stock fire wood for the upcoming summer and spread wood chips for the low ropes course.

Truro:

Highland Site Golf Course Rx Burn (11/02)

Prescribed burn of 1 acre.

Truro Library, Truro Elementary, Wellfleet Elementary (11/03)

Garden bed winterization

Pilgrim Spring Fuels Reduction (11/17 and 04/22)

Thinned, piled and burned the forest to reduce wildfire risk and restore historic and cultural resources, such as the vista to the ocean.



Highland Pile Burn (9/29; 10/27, 11/03, 11/10, 1/25 and 04/13; 4/14; 5/23)
Reduced fuel loads in the residential area of the Highlands Center through cut, pile, burn and prescribed fire.

Cudsworth Fire Rd (2/12)
Cleared 6 ft wide on the fire road leading to the Cudsworth House in the National Sea Shore to gain accessibility for a prescribed burn at a later date.

Mitre Site Gun Range (4/7, 04/27, and 05/10)
Cut, Pile, Burn to expand gun range .35 acres cleared as well as led a prescribed burn 5 acres to thin the pink/oak forests for ecological health and fire mitigation with Cape Cod National Seashore.

Highlands Golf Course (04/27)
Served with Cape Cod National Seashore in a cut, pile, burn project to promote ecological health of native plants on the golf course.

Research Plots (04/29)
Rx burn

Edgewood Farm and Keezer Trail (6/6)
Created a walking trail to extend a previous one created by AmeriCorps Cape Cod, and rehabilitated another walking trail with the Truro Conservation Trust.

Wellfleet:

Marconi Rx Burn (9/24, 10/7, and 11/05)
Prescribed burn across from Headquarters to promote growth of rare broom crowberry.

Marconi Site (10/5, 10/6, 2/16, 2/17, 2/18, and 2/29)
Cut back, piled, and burned scrub oak stands and burned near the Marconi Site Comfort Station in order to restore habitat for native birds and rabbits.



OysterFest (10/17 and 10/18)

Assisted with distribution of shell recycling buckets and signage.
Encouraged the recycling of used oyster shells at recycling post and helped move used shells to a central location.

Shuck and Run (10/18)

Set up and ran water station with Wellfleet Recreation Department.

Wellfleet Conservation Trust Sites (10/19)

Removed invasives, cleaned up and maintained sites, and installed benches at several Wellfleet Conservation Trust sites.

Uncle Tim's Bridge (10/29)

2 Common Dolphins stranded near Uncle Tim's Bridge in Wellfleet. 1 was released at Scusset Beach in Sandwich.

State of the Harbor Conference (11/7)

Assisted with facilitation of conference.

Gull Pond Sluiceway and Indian Neck Beach (11/16 and 11/20)

Planted and mulched native species at Gull Pond Sluiceway to improve ecological integrity of site and still allow pedestrian access. Planted native species at Indian Neck Beach.

Wellfleet Pond Restoration (12/7)

Slowed erosion by placing jute, planting native plants, and closing down old trails.

Omaha Road Landing (12/14, 1/29)

Constructed two kayak racks at Omaha Road Landing with Wellfleet Health and Conservation Department to mitigate erosion by discouraging beach-goers from leaving kayaks in dunes and on beach vegetation.

Marconi Beach Site (2/3, 2/4, 2/11, 4/4, 4/5)

Cut, piled, and burned scrub oak stands near the Marconi Beach Ticket Booth to restore habitat for native birds and rabbits.

Wellfleet Audubon Rx (3/24/16)

1 acres Rx burn



Wellfleet Herring River

Cleared the river with the Wellfleet Herring Warden to prepare for the spring fish run.

Brennan House Rx (3/30/16)

Performed a 1.6 acres prescribed burn to reduce wildfire risk at one of the many CCNS-owned parcels.

Field Point (4/1)

Constructed and installed a kayak rack to encourage users to store kayaks out of the dunes and beach grass.

Marconi HQ (04/26)

Cut, pile, burn at Headquarters in order to maintain open heathland habitat with the Fire Management Office.

Stevens House (05/06)

Reduced wildfire risk through pile burns to create fire breaks in surrounding pine/oak forests.

Rockwell House (05/06)

Removed a hazard tree at one of the many CCNS-owned parcels to maintain a clear route in case of wildfire.

Great Pond (6/3)

Remediated steps to the pond's edge with the Wellfleet Department of Public Works by sweeping and clearing leaves and sand, filling in eroded steps, removing snow fencing, replacing broken steps and tread, and replacing broken rails and posts.

Town of Wellfleet – Fire Dept. (05/26)

Painted fire hydrants to comply with national standards of color coding that Wellfleet recently adopted.

Yarmouth:

Mattacheese Middle School (12/4)

Wetfest.



Taylor Bray Farms (12/7, 12/16)

Cleared of vegetation to clear vista and remove invasive plants.

Seagull Beach (3/21/16)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

Egg Island (3/21/16)

Served with Mass Audubon to erect symbolic fencing in an effort to protect threatened coastal water birds.

Cape Cod National Seashore:

Marconi Rx Burn (9/24, 10/7, and 11/05)

Prescribed burn across from Headquarters to promote growth of rare broom crowberry.

Marconi Site (10/5, 10/6, 2/16, 2/17, 2/18, and 2/29)

Cut back, piled, and burned scrub oak stands and burned near the Marconi Site Comfort Station in order to restore habitat for native birds and rabbits.

Marconi Beach Site (2/3, 2/4, 2/11, 4/4, 4/5)

Cut, piled, and burned scrub oak stands near the Marconi Beach Ticket Booth to restore habitat for native birds and rabbits.

Brennan House Rx (3/30)

Performed a 1.6 acres prescribed burn to reduce wildfire risk at one of the many CCNS-owned parcels.

Marconi HQ (04/26)

Cut, pile, burn at Headquarters in order to maintain open heathland habitat with the Fire Management Office.

Stevens House (05/06)



Reduced wildfire risk through pile burns to create fire breaks in surrounding pine/oak forests.

Rockwell House (05/06)

Removed a hazard tree at one of the many CCNS-owned parcels to maintain a clear route in case of wildfire.

Pilgrim Spring Fuels Reduction (11/17 and 04/22)

Thinned, piled and burned the forest to reduce wildfire risk and restore historic and cultural resources, such as the vista to the ocean.

Highland Pile Burn (9/29; 10/27, 11/03, 11/10, 1/25 and 04/13; 4/14; 5/20)

Reduced fuel loads in the residential area of the Highlands Center through cut, pile, burn and prescribed fire.

Cudsworth Fire Rd (2/12)

Cleared 6 ft wide on the fire road leading to the Cudsworth House in the National Sea Shore to gain accessibility for a prescribed burn at a later date.

Mitre Site Gun Range (4/7, 04/27, 05/10, 05/19)

Cut, Pile, Burn to expand gun range .35 acres cleared as well as led a prescribed burn 5 acres to thin the pink/oak forests for ecological health and fire mitigation with Cape Cod National Seashore.

Highlands Golf Course (04/27)

Served with Cape Cod National Seashore in a cut, pile, burn project to promote ecological health of native plants on the golf course.

Doane Rock (05/11;06/01)

Reduced fuels around Doane Rock through a prescribed burn of .3 acres

Stevenson House (05/12-13; 06/07)

Reduced wildfire risk through pile burns and performed a prescribed fire at one of the many CCNS-owned parcels to create fire breaks in surrounding forests. Rx burn 3 acres

Fort Hill (11/13; 11/16; 05/26;05/31; 06/03; 06/06)



Restored historic vista through brush cutting black locusts and pitch pines.
Preserved rare open habitat on Cape Cod. with a prescribed burn.

Richardson Field Rx Burn (11/17)

Reduced wildfire risk by creating a protective barrier around the residence
at one of the CCNS-owned residences.

Salt Pond Visitor Center (2/2; 3/22)

Cleared 1 acre surrounding the Salt Pond Visitor Center of CCNS through
cut, pile, burn and prescribed burning.

Nauset Light Beach Bitter Sweet Removal (02/16)

Reduced fuels around Nauset Light by clearing .1 acres of Bitter Sweet

Little Creek Parking Lot (2/23)

Served to clear black locust trees and beautify this portion of CCNS.

Province Lands (2/19, 03/29, and 04/12)

Cut, piled, and burned pitch pines at the Provincelands Visitor Center in
Provincetown to restore heathland, mitigate fire risk, and restore scenic
vistas



Appendix C: Year 18 Individual Placements

Barnstable County AmeriCorps Cape Cod Individual Placements Year 18 2016-2017			
Location (Town)	Service Partner Organization/ Department	Placement Title	Placement Description
Town			
Barnstable	Barnstable DPW - Structures & Grounds	Ways to Water, Conservation and Land Bank AmeriCorps Member	Oversee efforts to make improvement to and maintain conservation areas. Includes: site visits, gate identification, trail maintenance, recommending upgrades and creation of conservation area portfolio. Results in safe and open public access of public lands and preservation of natural ecosystem.
Barnstable	Town of Barnstable Shellfish Department	Shellfish Propagation Volunteer and Educator AmeriCorps Member	Assist with the coordination of weekly volunteer events; create shellfishing classes for the public; create a presentation to be used for outreach; assist Natural Resources staff with shellfish propagation tasks. (1 day/week)
Brewster	Department of Natural Resources	Brewster Natural Resources Collaboration AmeriCorps Member	Assist in the areas of water quality monitoring, shellfish aquaculture, conservation land management and public safety. Coordinate volunteer projects and large community outreach events. (1 day/week)
Chatham	Department of Natural Resources: Shellfish	Chatham Coastal Shellfish Survey AmeriCorps Member	Assist with the long-term shellfish survey through data collection and data assessment; perform all aspects of shellfish propagation projects.
Dennis	Dennis Natural Resources	Natural Resources Public Outreach AmeriCorps Member	Assist with the design and implementation of new projects to benefit the community. Projects include trail connectivity in conjunction with the Dennis Conservation Trust, handicap accessible gardens; and community events with schools. (1 day/week)
Falmouth	Conservation Commission	Land Management Program AmeriCorps Member	Create a management plan for the monitoring of public access to water and the resources contained within them. This will be accomplished through the collection of baseline data for each access point and establishing an annual monitoring and rating schedule.
Harwich	Department of Conservation	Harwich Conservation Land AmeriCorps Member	Assist with conservation land baseline documentation and boundary mapping; assist with Herring count and eel migration ramp; Lead outreach walks for the public; and coordinate group projects. <i>Joint placement with the Harwich Conservation Trust.</i>
Mashpee	Natural Resources: Shellfish	Shellfish Water Quality Restoration AmeriCorps Member	Participate in all aspects of aquaculture, including measurement for growth and gear maintenance; assist with water quality monitoring by collecting water samples, field data and maintenance equipment; and organize group service projects. (1 day/week)
Orleans	Tree Department	Tree Inventory AmeriCorps Member	Continue town-wide tree inventory; track and resolve potentially hazardous trees; assist with maintenance of town trees; and educate the public about urban forests.
Provincetown	Planning and Conservation Department	Land Management and Maintenance AmeriCorps Member	Develop monitoring report forms and collect base line data for all identified conservation lands; establish a land stewardship program; coordinate land maintenance projects.
Sandwich	Town of Sandwich Department of Natural Resources	Scorton Creek Shellfish Restoration AmeriCorps Member	Assist with the restoration of shellfish to an area of Scorton Creek that has been closed to the harvesting of shellfish for over 40 years. Create an outdoor classroom for students in the Sandwich High School STEM Academy.
Truro	Truro Conservation Department	Vernal Pool Certification Project AmeriCorps Member	Identify sites of potential vernal pool; gather and submit the proper physical and biological data required by the state to certify vernal pools. Collaboration with the Town of Provincetown.
Wellfleet	Health and Conservation Department	Community Health and Disaster Preparedness AmeriCorps Member	Assist with community health and disaster preparedness assessment and provide education and outreach on identified areas of need; develop an informative quarterly newsletter; Organize land management inspections and organize group projects, as needed.
County			
Barnstable	Cape Cod Cooperative Extension	WET Festival and Hazardous Waste Mitigation AmeriCorps Member	Coordinate all WET Festival education events including scheduling and planning for following year; assist with Hazardous Waste Program outreach and education materials, as well as Hazardous Waste tracking and collection.
Barnstable	Cape Cod Commission	Water Quality Projects AmeriCorps Member	Assist Cape Cod communities with stormwater management through gathering resources, collaborating on public interface tools, and helping to create a regional stormwater infrastructure inventory.
Barnstable	Department of Health and Environment	Waste Water Research AmeriCorps Member	Perform tests and research on wastewater treatment systems, particularly onsite septic systems. Specifically studying the treatment performance of septic systems in relation to nitrogen and other contaminant.



Location (Town)	Service Partner Organization/ Department	Placement Title	Placement Description
Barnstable	Department of Health and Environment: Regional Emergency Planning Committee	Emergency Planning AmeriCorps Member	Assist with gathering information for the long-term disaster recovery/resiliency plan; create and organize community presentations in order to recruit, train and engage volunteers to assist with Regional Shelter Planning; provide support to the MACC during operations. (2 members/2 days)
Federal/State			
Falmouth	Waquoit Bay National Estuarine Research Reserve	Environmental Education AmeriCorps Member	Assist with the planning, preparation and presentation of programs and events that support the Reserve's efforts to increase community resilience to the impacts of climate change, sea level rise, and changes to water quality. Coordinate and conduct environmental education classes to school groups.
Wellfleet	Cape Cod National Seashore	Fire and Safety Management AmeriCorps Member	Recruit, coordinate and lead volunteer groups to assist with fire management and resource management within the Cape Cod National Seashore; assist with fire-chainsaw leadership training and safety inventory/monitoring.
Wellfleet	Cape Cod National Seashore	FireCorps	Conduct wildland fire mitigation and habitat restoration projects through fuel reduction projects and prescribed burns. Assist with the research of fire effects on Cape Cod ecosystems. (6 Members)
Wellfleet	Cape Cod National Seashore	National Seashore Planning AmeriCorps Member	Assist with long-term park planning, land management projects and continued implementation of the Highlands Center project. Continue to facilitate the implementation of the park's Climate Friendly Action Plan with the Green Team.
Non-Profit			
Barnstable	American Red Cross	Preparedness Education AmeriCorps Member	Schedule and facilitate preparedness education presentations to all age groups; engage and train volunteers to assist with community trainings; Organize Boy and Girl Scout Annual Emergency Preparedness Fair. (2 members/2 days)
Barnstable	Barnstable Land Trust	Boundary Monitor AmeriCorps Member	Assist with conservation land baseline documentation and boundary mapping of 110 properties in Barnstable; developing the monitoring program and train volunteers to monitor properties. (1 day/week)
Bourne	National Marine Life Center	Marine Animal Rehabilitation and Environmental Education AmeriCorps Member	Participate in and improve upon rehabilitation program for sea turtles and seals; train new volunteers; provide environmental education programs to the public. (1 day/week)
Brewster	Brewster Conservation Trust	Brewster Natural Resources Collaboration AmeriCorps Member	Assist with the stewardship of conservation land through the documentation of parcel boundaries, assembling parcel notebooks and developing management recommendations. Coordinate volunteer projects and large community outreach events. (1 day/week)
Brewster	Brewster Ponds Coalition	Brewster Natural Resources Collaboration AmeriCorps Member	Research and develop science based educational "Pond Kits" to be used at local schools and camps. Coordinate volunteer projects and large community outreach events. (1 day/week)
Dennis	Association to Preserve Cape Cod	Volunteer & Outreach AmeriCorps Member	Coordinate volunteers to accomplish projects, including planting of rain and pollinator gardens; assist with Herring Run monitoring program; develop educational material focusing on native plants and ecological landscape practices.
Dennis	Dennis Conservation Trust	DCT Land Management AmeriCorps Member	Conduct baseline site visits and annual monitoring of properties with conservation lands; coordinate volunteer land stewards; organize group service days to complete needed land management projects. (1 day/week)
Orleans	Orleans Conservation Trust	Land Stewardship and Outreach AmeriCorps Member	Assist with the coordination of land steward volunteers for property monitoring and land management work days; complete land acquisition files; organize and promote educational programs and community events. (1 day/week)
Yarmouth	IFAW - Marine Mammal Rescue & Research Program	IFAW Response and Education AmeriCorps Member	Coordinate and participate in education/outreach events promoting work of IFAW and marine mammal conservation; Assist staff on critical aspects of live and dead marine mammal stranding response.