The large whale disentanglement program thanks the National Marine Fisheries Service for ongoing support.

The Seth Sprague Educational and Charitable Trust and the Pigeon Foundation make grants to ongoing studies and public education and outreach for public policy options relating to Nantucket Sound and surrounding waters.

CCS especially appreciates support of its infrastructure, both physical and operational, and once again thanks the Marshall Frankel Foundation for a grant in support of its membership development program, and DMW Worldwide for its generous in-kind support of the direct mail program.

Many thanks to board members Carol Grann and Mark Silva for overwhelming initial support of CCS’s new educational partnership with the Spirit of Massachusetts. And thanks to Grace W. Allroy Foundation for the same.

A number of nationally and locally prominent marine businesses are to be thanked for the August (and August) launching of R/V Ibis II, CCS’s 40-foot, rapid response whale rescue vessel, which was extensively redesigned and reconstructed throughout the summer. They are: Amber Marine, Nauset Marine, Mercury Marine, Wynne Enterprises and Kingman Yacht Center, which also provides CCS with general operating support. (see related article for more details)

...the nation is faced with an “unprecedented opportunity” to act responsibly.

Harriet Notes, p. 2

The humpback whale program hosted six humpback researchers from the Pacific (see related article for more detail).

COASTWATCH is a publication of the Center for Coastal Studies, an independent nonprofit, member-supported organization dedicated to research, public education and conservation programs for the marine and coastal environments.

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The large whale disentanglement program thanks the National Marine Sanctuary, an independent nonprofit, member-supported organization dedicated to research, public education and conservation programs for the marine and coastal environments.

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CCS assists director of whole rescue, headed into II for the first time. Photo CCS Archives.

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...
Once a term only used among Blueprint for the 21 Century. In response, the general principle will require defining relevant geographic management areas based on common reed (Phragmites australis), rather than political boundaries. The Pew Oceans Commission and the Massachusetts Ocean Management Task Force have also endorsed the principles of ecosystem-based management. The best illustration of what can be accomplished is in the coastal waters of Massachusetts where “User conflicts can and do arise where incoherent activities take place in the same area. A comprehensive ecosystem management regime is needed for the safe use of offshore resources. All offshore users should cooperate.” This is precisely what the Center for Coastal Studies concluded in its 2005 study of ecosystems and resource management of Nantucket Sound. However, even as recommendations of the U.S. Ocean Commission, Pew Oceans Commission, and Massachusetts Ocean Management Task Force piled up at the U.S. Army Corps of Engineers Philadelphia District, the participating offshore wind energy developers failed to finalize their studies, the Corps failed to approve the draft impact statements of the project, and the original developers withdrew due to lack of private funding. Today, the Center for Coastal Studies has had to take note of the regional and mesoscale complexes that can support a sustainable native salt marsh plant community for the present and into the future. Hopefully, the Commonwealth and the U.S. Commission on Ocean Policy will set in motion the necessary steps to achieve the equitable administration of such fundamental principles to our federal, state, and local government agencies.

A comprehensive offshore management regime is needed for the safe use of offshore resources. All offshore users should cooperate.

For more information about the findings and recommendations of the Committee on Ocean Policy go to www.oceancommission.gov.

*For more information, contact Dr. Gregg Moore at gmoore@unh.edu or gmoore@pss.unh.edu.*

**Events**

**CCS Study May Aid Cape Cod to Prioritize Tidewall Wetland Restoration Efforts**

Cape Cod’s wetlands are among the most productive communities on earth. Despite their global importance, these systems are threatened by development, encroachment, and biological invasions. Ecologists are employing tidal wetlands as a critical management tool designed to reverse chronic threats to these important systems, but further innovations may be needed to address the diversity of threats to Cape Cod. Following two years of data collection, researchers are identifying salt marshes that have been invaded by common reed (Phragmites australis) and are bringing them to the attention of the community. Other physical and biological parameters known to impact the species either as salinity, wave exposure, or nutrients may not differ significantly among those salt marshes. Many of these sites may depend upon invasive algae and/or the species’ ability to disperse, but their overall tidal function has the potential to exceed the long-term goal of restoration projects.

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**CCS to Celebrate Life of Rachel Carson**

CCS is bringing the nationally renowned play A Sense of Wonder, based on the life of Rachel Carson, to the Provincetown Theater on November 20 and 21.

"For too long, a sense of the people of the country, Rachel Carson (1907–1964) became one of the premier environmentalists of her time, most famously known for founding the appeal to save the oceans. Carson published six books during her lifetime, including The Sea around Us (1951), and became one of the first women to be recognized as a significant naturalist. Her pioneering work in environmental science and her focus on the importance of preserving the natural world inspired a generation of environmentalists and paved the way for future conservation efforts. Carson’s legacy continues to inspire and educate people around the world, and her work remains a powerful reminder of the interconnectedness of all living things. With the opening of the Provincetown Theater’s 2019 season, CCS is honored to bring Rachel Carson’s life and work to the stage through A Sense of Wonder, based on Carson’s own writings, and the Center for Coastal Studies is proud to present this inspiring work to a new generation of environmentalists. The play is performed by Rachel Carson’s biographer, Kaiulani Lee, who was inspired to bring the story of this remarkable woman to the stage with the help of CCS’s executive director, Anne Browne.

The Mission of CCS is to conserve and restore coastal ecosystems within the Cape Cod region, conduct cutting-edge research, and provide educational experiences that inspire a greater sense of stewardship for our natural resources. CCS has been conducting research, monitoring, and conservation efforts in this critical area for over 30 years. This project is part of a larger suite of initiatives designed to protect and restore Cape Cod’s coastal ecosystems, and we are grateful to the Provincetown Theater for bringing this play to the stage in Provincetown, a place rich in history and natural beauty. CCS is proud to partner with the Provincetown Theater to bring this engaging and educational production to the stage in Provincetown. CCS will be offering a limited number of priority seats to CCS members and friends. CCS members can reserve seats online at www.provincetowntheater.com or by calling the theater at 508-487-0793. CCS members are invited to join us for a special pre-performance reception at the Provincetown Theater on November 19th, where they will have the opportunity to meet with Kaiulani Lee, the play’s director. CCS members can also receive a special discount on tickets. CCS Members can reserve seats online at www.provincetowntheater.com or by calling the theater at 508-487-0793. CCS members are invited to join us for a special pre-performance reception at the Provincetown Theater on November 19th, where they will have the opportunity to meet with Kaiulani Lee, the play’s director. CCS members can also receive a special discount on tickets.

**Renovations Completed on CCS Headquarters**

Structural renovations and repainting were recently completed on the third floor of the Center for Coastal Studies in Provincetown in time for its third annual Ocean Science and Conservation Conference in conference room to the memory of Ruth Heath, longtime board, board member and patron of CCS, who died in February (see Harbor News, Vol 28, Feb 2019, June).