

## **Sean M. Kortis**

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**EDUCATION:** Stony Brook University, Stony Brook, NY

B.A. in Environmental Studies, Minor in Marine Science, 2012 G.P.A. 3.26

**HONORS:** Stony Brook University Dean's List 2008-2012

National Honor's Society 2008

Treasurer of Marine Biology Club Fall 2009-Spring 2010

3<sup>rd</sup> place in 2008 Massachusetts Envirothon

**SKILLS/CERTIFICATIONS:** Deputized Shellfish Constable, Licensed Pesticide Applicator (MA), CPR/AED/First-Responder Certified, Certified in Incident Command System (ICS), Certified IFAW Marine Mammal Rescue/Responder

**Computer Skills:** MS Word, Powerpoint, Excel, Outlook, Explorer, Adobe Photoshop, Google Earth

**EXPERIENCE:** Natural Resource Officer. Town of Barnstable, MA. September 2015-Present. Responsible for inspection and enforcement work to ensure compliance with laws and regulations pertaining to the preservation and use of the town's natural resources. Duties include patrolling beaches and waterways, inspecting the activities of individuals using natural resources for recreational or other purposes to ensure compliance with laws and regulations, overseeing seasonal field staff at Sandy Neck Beach to ensure proper monitoring of protected species including the Piping Plover, Least Tern and Diamondback Terrapin, coordinating with other agencies to assess/rescue stranded or injured animals including marine mammals and sea turtles, providing for the overall maintenance of the town's natural resources, and following state and federal guidelines to ensure proper monitoring and protection of endangered species is maintained.

Spadefoot Toad Project Technician/Coordinator. Long Pasture Wildlife Sanctuary. Barnstable, MA. February 2014-September 2015. Oversaw project goals and long-term studies in both research and education of the Eastern Spadefoot Toad. Coordinated with schools and organizations in environmental education projects and lectures. Led research in wetland monitoring, radio tagging, acoustic recording and other field work. Experience with handling of amphibians and amphibian husbandry.

Turtle/Shorebird Monitor. Sandy Neck Beach. West Barnstable, MA. Summer 2013-2015. Monitored nesting activities of Northern Diamondback Terrapins, Piping Plovers, and Least Terns. Patrolled and monitored six miles of barrier beach by ATV, and educated public about the importance of Sandy Neck beach as a resource. Experience in tracking and identifying wildlife, and the use of GPS. Prepared reports detailing current and past data collection and analysis of results concerning the status of Diamondback Terrapins at Sandy Neck beach for use by town officials.

Osprey Monitor. Long Pasture Wildlife Sanctuary, Barnstable, MA, summer 2011-2012. Monitored mating and nesting activities of Osprey across Mashpee, Barnstable, and Yarmouth. Searched for new Osprey nests and re-confirmed nests from previous years. Monitored and updated information through Google Earth. Contacted volunteers to collect field research/updates and to ensure the monitoring of specific nests

Riverhead Foundation for Marine Research and Preservation, Riverhead, NY. Spring and fall 2009. Trained and certified in Incident Command System (ICS). Gained experience in marine mammal identification and anatomy. Performed multiple necropsies on deceased marine mammals in order to determine cause of death. Participated in an injured seal rescue and performed a physical in order to determine injury and rehabilitation treatment. Active participant in multiple seal releases and other educational events.

Vernal Pool Certification and Monitor, Barnstable, MA, 2007-2008. Monitored the overall health and success of a number of vernal pools throughout West Barnstable, MA. Recorded water quality readings, water level and documented the presence of salamander egg masses. Compiled data and submitted it to the state for certification and protection of surrounding land. Used much of my research in preparing for the Massachusetts Envirothon in 2008.

Gatehouse Supervisor, Sandy Neck Beach. West Barnstable, MA. August 2014-September 2015. Coordinated with Natural Resource Officers and Park Manager to ensure safety, protection and proper function throughout the park. Issued new offroad permits to patrons, detailing the park's rules and regulations, and educating them on the importance of Sandy Neck beach as a resource. Maintained proper coordination via radio, Nextel and other forms of communication during emergency situations. Supervised gatehouse attendants and handled large sums of money to be counted and deposited each day.

Naturalist for Mass Audubon's Aquatic Exploration Cruises, Hyannis, MA, summers 2011-2012. Educated children on topics in marine biology and emphasized the importance of science, learning and conservation. Conducted plankton tows, trap pulls and otter trawls, providing children with first-hand experience working with marine specimens.

Jr. Rangers Program, Sandy Neck Beach. West Barnstable, MA. Summer 2013-2015. Taught campers ages 9-13 about the geology and ecology of Cape Cod including lessons on invasive species, endangered species and marine mammals. Educated children on the importance of conservation, protection and research of flora and fauna throughout the park.

Teacher/Naturalist, Long Pasture Wildlife Sanctuary, Barnstable, MA. Spring 2013-2015. Worked with Mass Audubon in educating children K-12 on topics including vernal pool ecology, birds, shorebirds, salt marsh and tidal flat ecology. Led field trips at various locations throughout Cape Cod, helping students engage in active and constructive research projects.

Deckhand aboard the R/V Paumanok, R/V Shinnecock, Southampton, NY. Fall 2011-Spring 2012. Ensured the safety of passengers aboard. Experience in both Physical Oceanography and Ichthyology trips. Knowledge and use of heavy equipment and machinery including winch operation, ocean trawls, core samplers, CTD, seine nets, Niskin bottles, and plankton nets.

Marine Station Assistant, Southampton, NY, fall 2011-spring 2012. Assisted in various projects throughout the facility including the health and maintenance of fish and holding tanks, transport of new vessel donations, and maintenance of docks and boats at the research station.

How Green is My Town, Long Island, NY, Fall 2010. Interviewed town officials and gathered data regarding the sustainability of town facilities and management. Worked in effort to address the issues of climate change, sustainability and environmental health.