



NExUS Ongoing Projects and Activities Thu Feb 21 21:04:07 EST 2019

Name	Prime Hook National Wildlife Refuge Salinity/ Nutrient/ Sediment/ Water Level Study
Description	From the Delaware Sea-Level Rise Compendium 2011: Investigation of sea-level rise and other climate change impacts, specifically salinity changes, nutrient inputs and sediment transport within the coastal impoundments at Prime Hook, is being conducted to determine the consequences of management practices and natural events. Data collection will involve installing monitoring equipment to measure salinity and water level, and conducting salinity transects within the impoundments. Water quality will also be monitored, specifically total sediment solids (TSS) and nitrogen/phosphorus compounds to aid in determining sediment and nutrient fluxes in and out of the impoundments. This study will result in installation of real-time monitoring network; written reports that include summary of results; discussion of data analysis and statistical procedures. Results will be used to quantify current conditions in the impoundments and predict future changes of future management techniques.
Category	- Monitoring
Sector	- Managed Ecosystems
Focus Area	- Coasts and Climate Resilience (including sea-level rise)
Region	- Regional Or State -- Mid-Atlantic
Status	- Ongoing
Lead Agencies	Delaware Coastal Programs; U.S. Fish and Wildlife Service