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| Name | Application of Ecological and Economic Models of the Impacts of Sea-Level Rise to the Delaware Estuary |
| Description | The report describes a new approach to climate adaptation planning that draws from the assessment of natural resource damages associated with oil spills and other episodic events. The analytic framework couples the wetland change modeling in SLAMM (Sea Level Affecting Marshes Model) with traditional damage assessment methods via habitat equivalency analysis (HEA). The report estimates gains and losses in the ecological service flows provided by coastal habitats as well as the type and size of projects necessary to maintain current wetland services. Potentially, these projects can be either restoration of degraded habitats or preventative measures taken to avoid future loss. The framework in the report can be used for identifying and valuing the cost of efforts to address potential changes in wetlands habitats |
| Type | - PRODUCTS: Projections (intra-annual to multi-decadal, including SLR and model down-scaling) - PRODUCTS: Plans, Assessments, Studies |
| Sector | - Natural Ecosystems |
| Focus Area | - Coasts and Climate Resilience (including sea-level rise) |
| Region | - Regional Or State -- Mid-Atlantic |
| Lead Agencies | U.S. Environmental Protection Agency and Partnership for the Delaware Estuary |
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