Progress Report for USFWS NA LCC - Hurricane Sandy Resilience

Modification F14AC01077

The Conservation Biology Institute (CBI) has completed the following work from January 2, 2016 to July 1, 2016 under the contract F14AC01077.

This work included:

1) Coordination with Project Leads

Contacted 11 participating projected identified by Megan Tyrrell. Each project lead received an email explaining CBI's role in posting each projects final projects in individual customized Data Basin gallery. A spreadsheet was created tracking the project contact, title, expected products and timeline for data delivery.

2) Creation of Project Galleries

A Data Basin gallery was created for 10 of the 11 projects, as well as a parent Hurricane Sandy Resiliency Science Project gallery. Each gallery includes a project description, thumbnail, appropriate external links and product folder structure.

North Atlantic Aquatic Connectivity Collaborative

https://databasin.org/galleries/3b56a6fd8c544acdb6b5d7612f54761a

Identification of Potential Beach-nesting Bird Habitat to be Set Aside in Municipal Beach Management Plan

https://databasin.org/galleries/106d0c39aa974025be3a620185b9297b

A Bayesian network approach to predicting nest presence of the federally-threatened piping plover (Charadrius melodus) using barrier island features

https://databasin.org/galleries/223b8284845e4b7e97a766bc3db02cca

Multiple Factor Analysis of Piping Plover and other Beach Dependent Species Habitat Use and Population Dynamics Following Storm and Human Created Changes to Barrier Island Habitats within the Fire Island National Seashore and other Select New York..

https://databasin.org/galleries/9d7d27c8c4fa41ac990505407b2bb940

Inventory of Habitat Modifications to Tidal Inlets and Sandy Beach Habitat

https://databasin.org/galleries/164daee0855c4228bb6fe8552e704558

Piping plover habitat suitability in a changing climate: Doing science aided by smartphones to understand habitat preferences and future habitat availability

https://databasin.org/galleries/be213b453f5746ec8b6146a2a2b4cf3b

Decision Support for Hurricane Sandy Restoration and Future Conservation to Increase Resiliency of Tidal Wetland Habitats and Species in the Face of Storms and Sea Level Rise-Marsh equilibrium model (MEM) coupled with Advanced Circulation (ADCIRC)..

https://databasin.org/galleries/e9580baf3350425a9eb309a4f4029766

Salt marsh modeling coupled with hydrodynamic modeling

https://databasin.org/galleries/09d2abfcd9d44879bf0fa15925b9b4ca

UMass Landscape Ecology Lab, Designing Sustainable Landscapes

https://databasin.org/galleries/a280ab53b53f4a66af1af08b7d7795f1

Tidal wetlands after Hurricane Sandy: baseline restoration assessment and future conservation planning

https://databasin.org/galleries/545d42aee349487baf5fa5586d647fe5

3) Conversion of kml datasets

Converted the Inventory of Habitat Modifications to Tidal Inlets and Sandy Beach Habitat original project data formatted in kml with associated excel file to shapefile and uploaded to Data Basin. This was done for data from Phase I and Phase II.

4) Webinar

Hosted a webinar on May 12, 2016 for the North Atlantic Aquatic Connectivity Collaboration.