Living Narrative of Water: GIS Curation Through a Story Map

Introduction

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Goals

- Curate spatial environmental data for the Alliance for the Mystic River Watershed's Living Atlas, a web-based collection of cultural resources and data
- Tell a compelling story about human relationships with the watershed to identify how we may better care for our land and waterways, and subsequently ourselves.
  - The goals will be met through compiling, curating, and mapping GIS layers of environmental data to support ecological and environmental justice for the four member towns, Stonington, Groton, Ledyard, and North Stonington, and the two tribal nations, Eastern and Mashantucket Pequot Nations, within the Mystic River Watershed.
- Embed maps into an interactive ArcGIS StoryMap, translating data into an accessible format to engage community members in understanding and protecting the watershed.

Steps

- ◈ Compile and edit map layers to embed into an ArcGIS StoryMap
  - ☐ CT DEEP designated water quality classifications
  - ☐ Impaired waterways
  - ☐ Toxic release inventory locations (TRI)
  - ☐ FEMA flood zones
  - ☐ Existing maps on website
- ◈ Curate narrative to tell the story of water in the watershed

Results

 ◈ ArcGIS StoryMap Creation: https://arcg.is/OD0mj

Recommendations

◈ Synthesize map priority areas in the watershed and allow community members to do so where they live to explore regenerative interventions

◈ Building on the StoryMap

　　☐ Expand historical context of the watershed through multimedia storytelling

　　☐ Collect more spatial data on land cover and change, including historical maps and aerial imagery

　　☐ Integrate the Survey123 app and Watershed Family Album to invite users to explore those resources and understand how we can care for our water

Thank You