# Identification information

* **Originator**: Connecticut Institute for Resilience and Climate Adaptation (Circa)
* **Title**: Connecticut coastal vulnerability map: Habitat (Forest, Critical Habitat, Hydrology, Eelgrass).
* **Geospatial Data Presentation Form**: Raster and vector digital data
* **Link**: Circa Main Server *D:\Arcmap*
* **Abstract**: This data table defines the Connecticut coastal vulnerability given by Habitat. This is a combination of four shapefile: critical habitat, forest, hydrology and eelgrass. The presence of habitat in each features are described in the following field*s: hydro\_leg, forest\_leg, eelgrass\_le and criticalhab1.* It has been divided in different categories, ranking from1 (less vulnerable) to 5 (most vulnerable). If the feature does not have habitat is zero. Excel file of ranking:

D:\Arcmap\ct\_Index\grid\_100\_square200\eelgrass\RankHabitat.xls

|  |  |  |
| --- | --- | --- |
| **Category** | **Rank** | **Shapefile** |
| Ash/Hickory Glade | 1 | critical habitat |
| Cedar Woodland | 1 | critical habitat |
| Cedar/Hardwood | 1 | critical habitat |
| Outcrop | 1 | critical habitat |
| Pitch Pine | 1 | critical habitat |
| Pitch Pine/Post Oak | 1 | critical habitat |
| Scrub Oak | 1.5 | critical habitat |
| Shrubland | 1 | critical habitat |
| Woodland | 1 | critical habitat |
| Woodland/Shrubland | 1 | critical habitat |
| Rocks | 1 | critical habitat |
| Forest | 1 | forest |
| Brackish Marsh | 2 | critical habitat |
| Dwarf Shrub | 2 | critical habitat |
| Freshwater Marsh | 2 | critical habitat |
| Salt Marsh | 2 | critical habitat |
| Shrub Thicket | 2 | critical habitat |
| Marsh | 2 | hydrology |
| Dam | 3 | critical habitat |
| Flats | 3 | critical habitat |
| H | 3.5 | eelgrass |
| L | 4.5 | eelgrass |
| M | 4 | eelgrass |
| Cedar Bluff | 4 | critical habitat |
| Grassy Glade/Bald | 4.5 | critical habitat |
| Low Floodplain | 4.5 | critical habitat |
| Sedge | 4 | critical habitat |
| Cedar Swamp | 5 | critical habitat |
| Coastal Plain Pond | 5 | critical habitat |
| Riverine | 5 | critical habitat |
| Intermittent Water | 5 | critical habitat |
| Sewage Pond | 5 | critical habitat |
| Water | 5 | hydrology |
| Water Tank | 5 | critical habitat |
| Gain H | 1 | critical habitat |
| Gain L | 1 | critical habitat |
| Gain M | 1 | critical habitat |
| Loss L | 1 | critical habitat |
| Loss M | 1 | critical habitat |
| SAV H | 1 | critical habitat |
| SAV L | 1 | critical habitat |
| SAV M | 1 | critical habitat |
| Other/Unique | 1 | critical habitat |
| Salt | 5 | critical habitat |
| Undifferentiated | 1 | critical habitat |

* **Spatial Domain**:

north bounding: 4697924.651800 (m)

south bounding: 4623524.749677 (m)

east bounding: 1770933.490928 (m)

west bounding: 1615533.539872 (m)

* **Place:**

United States

Connecticut Coastal Cities

# Entity and attribute information

## Layers

**Data Type**; Shapefile Feature Class

**Shapefile:**

D:\Arcmap\ct\_Index\grid\_100\_square200\Final\_Indicators\new\habitatNEW.shp

**Geometry Type**: Polygon

**Field:**

*FID*: Unique identifier of an object within the table

*Shape*: Feature geometry

*BUFF\_DIST*: the distance used to buffer each feature in the linear unit of the input features coordinate system

*ORIG\_FID*: field that contains the feature ID of the input feature for which the buffer was created

*cogs*: Council of Government that refers to the center of each feature

*city*: city that refers to the center of each feature

*Lon1*: longitude coordinate of the center of each feature decimal degree

*Lat1*: latitude coordinate of the center of each feature, decimal degree

*x*: coordinate of the center of each feature in horizontal domain, meters

*y*: coordinate of the center of each feature in vertical domain, meters

*hydro\_rank: rank of coastal vulnerability given by hydrology*

*hydro\_leg: type of hydrology structure*

*forest\_rank: rank of coastal vulnerability given by forest*

*forest\_leg: type of forest*

*eelgrass\_ra: rank of coastal vulnerability given by eelgrass*

*eelgrass\_le: type of eelgrass*

*criticalhab: rank of coastal vulnerability given by critical habitat*

*criticalhab1: type of critical habitat*

*rank: rank of coastal vulnerability given by the combination of hydrology, forest, eelgrass and*

**Key words:**

Habitat, Connecticut, CIRCA, coastal vulnerability

# Metadata Reference Information

* **Author**: Caterina Massidda
* **Data**: 3/1/2019