# Identification information

* **Originator**: Connecticut Institute for Resilience and Climate Adaptation (Circa)
* **Title**: Connecticut coastal vulnerability map: Wind Speed
* **Geospatial Data Presentation Form**: Raster and vector digital data
* **Link**: Circa Main Server *D:\Arcmap*

**Abstract**: This data table defines the Connecticut coastal vulnerability based on the wind speed at 30(m). The wind speed for each feature is described in the field *wind\_30m*. It has been divided in five different categories, ranking from 1 (less vulnerable) to 5 (most vulnerable). If there are no data in the feature the rank is zero and *wind\_30m* is -9999. Excel file of ranking: D:\Arcmap\ct\_Index\grid\_100\_square200\wind\rank\_wind

|  |  |  |
| --- | --- | --- |
| **Rank** | **Min Speed at 30(m)** | **Max Speed 30(m)** |
| 0 | No data (-9999) | No data (-9999) |
| 1 | 0 | 4.206 |
| 2 | 4.2061 | 4.772 |
| 3 | 4.7721 | 5.338 |
| 4 | 5.3381 | 5.904 |
| 5 | 5.9041 | 6.47 |

* **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\wind\intersect\_rastertopoint\_mask50m\_provaRANKED.shp

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

**Geometry Type**: Polygon

**Field:**

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

*Shape: Feature geometry*

*Id: zero*

*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*

*ORIG\_FID\_1: 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*

*rank: rank of coastal vulnerability given by wind at 30(m)*

*wind\_30m: wind speed mean value within each feature*

**Key words:**

Wind speed, Connecticut, CIRCA, coastal vulnerability

# Metadata Reference Information

* **Author**: Caterina Massidda
* **Data:** 8/13/2019