# Identification information

* **Originator**: Connecticut Institute for Resilience and Climate Adaptation (Circa)
* **Title**: Connecticut coastal vulnerability map: Impervious Surface.
* **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 impervious surfaces. Percentage of impervious surfaces in each features are described in the field *percentage.* It has been divided in different categories, ranking from1 (less vulnerable) to 5 (most vulnerable). If the feature is a Non-U.S. land, a Background U.S. land or Ocean water the rank is zero and *percentage* is *-9999*. Excel file of ranking: D:\Arcmap\ct\_Index\grid\_100\_square200\impervious\_surface\rank\_impervious.xlsx.

|  |  |  |
| --- | --- | --- |
| **Rank** | **Min % impervious surfaces** | **Max % impervious surfaces** |
| 1 | 1 | 20 |
| 2 | 20.00000001 | 40 |
| 3 | 40.00000001 | 60 |
| 4 | 60.00000001 | 80 |
| 5 | 80.00000001 | 100 |
| 0 | no data | no data |
|  |  |  |

* **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\zzimperviousNEW.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

*rank: rank of coastal vulnerability given by impervious surfaces*

*percentage: mean of the percentage of impervious surfaces within each feature*

**Key words:**

Impervious surface, Connecticut, CIRCA, coastal vulnerability

# Metadata Reference Information

* **Author**: Caterina Massidda
* **Data:** 4/5/2019