# Identification information

* **Originator**: Connecticut Institute for Resilience and Climate Adaptation (Circa)
* **Title**: Connecticut coastal vulnerability map: Railway
* **Geospatial Data Presentation Form**: Raster and vector digital data
* **Link**: Circa Main Server *D:\Arcmap*
* **Abstract:**This data table defines the coastal vulnerability given by railway elevation. Railway elevation for each features is described in the field *elevation*. It has been divided in five different categories, ranking from 1.5 (less vulnerable) to 5 (most vulnerable). If the feature does not contain streets rank is zero and *elevation* is -9999.

|  |  |  |
| --- | --- | --- |
| Rank | Min street elevation | Max street elevation |
| 0 | No data | -9999 |
| 1.5 | 175.000001 | 10000 |
| 2 | 150.000001 | 175 |
| 2.5 | 125.000001 | 150 |
| 3 | 112.5 | 125 |
| 3.3 | 100.000001 | 112.49 |
| 3.5 | 87.500001 | 100 |
| 3.75 | 75.000001 | 87.5 |
| 4 | 62.500001 | 75 |
| 4.3 | 50.00001 | 62.5 |
| 4.5 | 25.000001 | 50 |
| 4.75 | 12.500001 | 25 |
| 5 | 0 | 12.5 |

* **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\AmtrakNEW.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

*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 Elevation of railway*

*elevation: mean elevation within each feature*

**Key words:** Amtrak, elevation, 2016 DEM and LAS, Connecticut, CIRCA, coastal vulnerability

# Metadata Reference Information

* **Author**: Caterina Massidda
* **Data**: 3/20/2019