

Visualizing Sea-Level Rise Impacts for Transportation Planning Dataset

Dataset available at: <https://doi.org/10.5281/zenodo.3739519>

(This dataset supports report **Visualizing Sea-Level Rise Impacts for Transportation Planning**)

This U.S. Department of Transportation-funded dataset is preserved by Maritime Transportation Research and Education Center (MarTREC) in the Zenodo Repository (<https://zenodo.org/>), and is available at <https://doi.org/10.5281/zenodo.3739519>

The related final report **Visualizing Sea-Level Rise Impacts for Transportation Planning**, is available from the National Transportation Library's Digital Repository at <https://rosap.ntl.bts.gov/view/dot/61186>.

Metadata from the Zenodo Repository record:

Title: MARTREC Data from Visualizing Sea Level Rise Impacts in Transportation Planning

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Description: This research focuses on a study area in Fort Lauderdale--a two-block stretch of Las Olas Blvd. between Southeast 9th Ave. and Southeast 11th Ave. where researchers expect mean high tides up to 36 inches higher in the year 2100. The project investigates a community planning process in which a combination of high- and low-tech visualization methods—a Geographic Information System (GIS) and a human artist—was used to increase public participation and draw out local knowledge which helps the decision-making process for the future. Mixed reality technologies such as Microsoft HoloLens (augmented reality) and Samsung VR Gear (virtual reality) offer immersive educational and engagement experiences, which may convey information in a more meaningful way. Using a quasi-experimental methodology of before-and-after surveys, we compare the degree to which virtual reality technologies improve (or impede) constituents' absorption of information regarding sea-level rise risks to roadway infrastructure in their communities.

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Versions: Version 1

Recommended citation:

Renne, John. (2020). MARTREC Data from Visualizing Sea Level Rise Impacts in Transportation Planning [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.3739519>

Dataset description:

This dataset contains 1 .zip file collection described below.

Measures_of_Freight_Network_Resiliency_During_COVID-19.zip:

This dataset contains 1 .xlsx file and 1 .pdf file described below.

- Anonymized Data in Excel.xls

- Anonymized Data April 1 2020.sav

The .xlsx and .xls file types are Microsoft Excel files, which can be opened with Excel, and other free available software, such as OpenRefine.

The .sav file extension is associated with SPSS, a predictive analytics software, originally created by SPSS Inc. and now owned and marketed by IBM. The sav file contains data sets created with SPSS. (for more information on .sav files and software, please visit <https://www.file-extensions.org/sav-file-extension-spss-data-sets-database>).

National Transportation Library (NTL) Curation Note:

As this dataset is preserved in a repository outside U.S. DOT control, as allowed by the U.S. DOT's Public Access Plan (<https://ntl.bts.gov/public-access>) Section 7.4.2 Data, the NTL staff has performed *NO* additional curation actions on this dataset. NTL staff last accessed this dataset at <https://doi.org/10.5281/zenodo.3739519> on 2022-03-31. If, in the future, you have trouble accessing this dataset at the host repository, please email NTLDataCurator@dot.gov describing your problem. NTL staff will do its best to assist you at that time.