

README: ON TO 2050 Layer: Flood Susceptibility Index

Description: As part of the stormwater and flooding strategy paper, CMAP developed urban and riverine flood susceptibility indexes (FSI) to identify priority areas across the region for flooding mitigation activities. The FSI rasters are provided in the zipped geodatabases below. Other resources include the stormwater and flooding strategy paper appendix, which contains information about FSI inputs, procedures, and results, and the Guide to Flood Susceptibility and Stormwater Planning, which provides information on how to use the FSI in planning activities. Three FSI inputs are provided below: elevation differential between property and nearest Base Flood Elevation (BFE), impervious cover summarized by watershed catchments, and a topographic wetness index (TWI).

CONTENTS

Filename: **FloodSusceptibilityIndexUrban.zip**

Title: **Urban Flood Susceptibility Index**

Description: This zipped geodatabase contains the Flood Susceptibility Index raster for all developed, non-floodplain areas of the CMAP Region. Format is an ESRI Version 10.3 file geodatabase. 639MB (zipped), 659MB (unzipped).

Filename: **FloodSusceptibilityIndexRiverine.zip**

Title: **Riverine Flood Susceptibility Index**

Description: This zipped geodatabase contains the Flood Susceptibility Index raster for all developed areas within the MWRD 100 year inundation layer (Cook County) and FEMA 100 year floodplain (non-Cook counties) of the CMAP Region. Format is an ESRI Version 10.3 file geodatabase. 27MB (zipped), 36.5MB (unzipped).

Filename: **BaseFloodElevationParcelElevationDifferential.zip**

Title: **Property/BFE Elevation Differential**

Description: Full title: "Elevation differential between property and nearest Base Flood Elevation (BFE)." This zipped geodatabase identifies properties within a 1,500-foot buffer whose mean parcel elevation is within six feet of the nearest FEMA BFE. This dataset is an input of the Urban Flood Susceptibility Index. Format is an ESRI Version 10.3 file geodatabase. 20MB (zipped), 26MB (unzipped).

Filename: **FloodSusceptibilityIndexMetadata.pdf**

Title: **Flood Susceptibility Index Metadata**

Description: Descriptive metadata for Urban and Riverine FSI rasters; also visible through ArcGIS Item Description. PDF 1.1 MB.

Filename: **FloodSusceptibilityIndexMaps.pdf**

Title: **Flood Susceptibility Index Maps**

Description: Urban and Riverine FSI maps for CMAP region, counties, and City of Chicago. PDF 105MB.

Filename: **FloodSusceptibilityIndexAppendix.pdf**

Title: **Flood Susceptibility Index Appendix**

Description: Procedural appendix describing FSI inputs, methodology, and results. PDF 699KB.

Filename: **FY18-0051 STORMWATER AND FLOODING_FINAL.pdf**

Title: **ON TO 2050 Strategy Paper: Stormwater and Flooding**

Description: Strategy paper, 1.9 MB

Questions? Contact us at info-gis@cmapp.illinois.gov