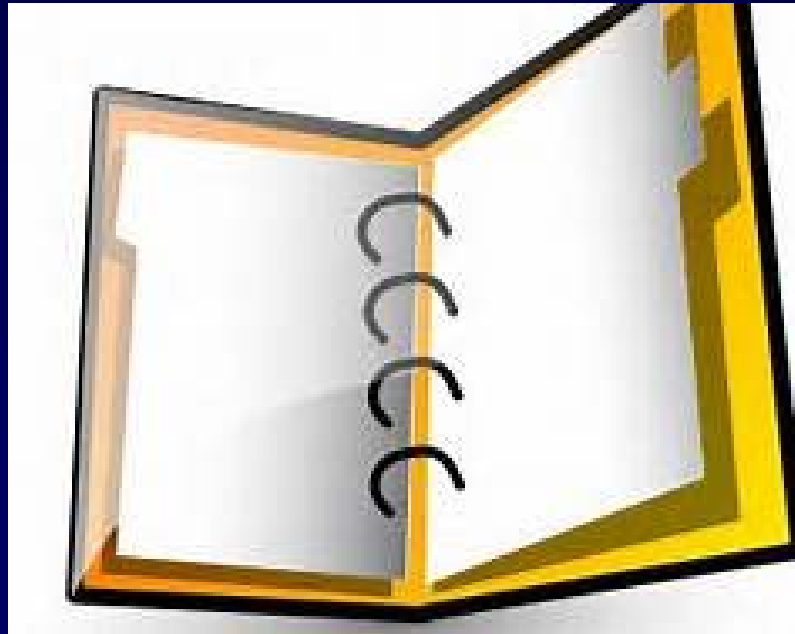
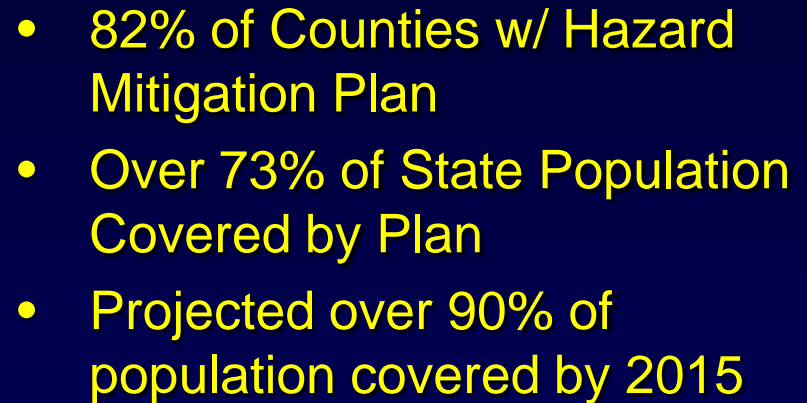




ILLINOIS EMERGENCY MANAGEMENT AGENCY

State of Illinois Natural Hazard Mitigation Plans

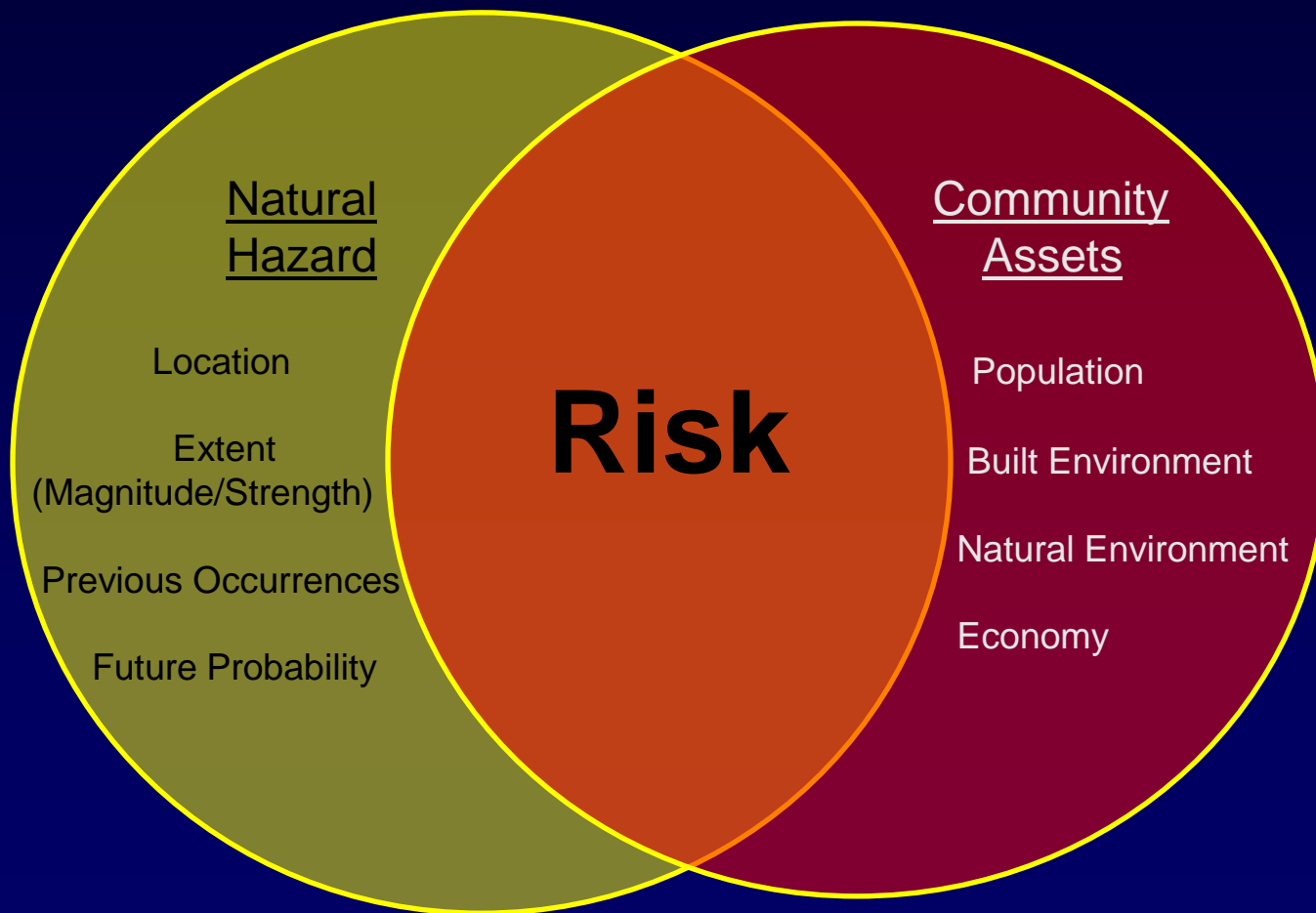




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Risk Assessment





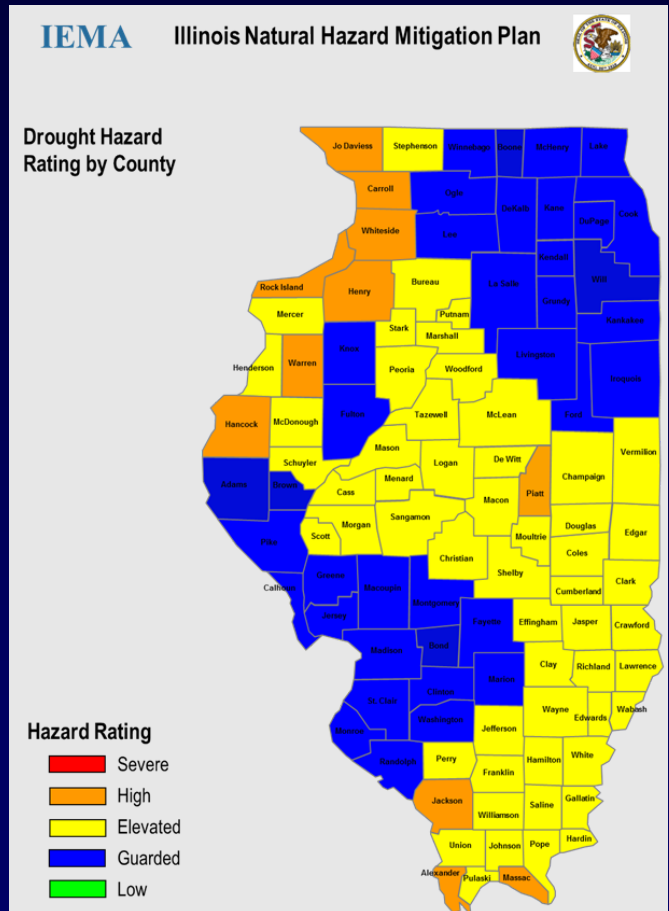
Illinois Risk Assessment

Key	Low=0-12
Guarded=13-24	Elevated=25-36
High=37-48	Severe=49-60

County Name	Population	Severe Storms	Floods	Severe Winter Storms	Drought	Extreme Heat	Earthquake	Tornado
Adams	67,103	High	High	High	Guarded	High	Guarded	Elevated
Alexander	8,238	Severe	High	High	High	Guarded	Severe	Elevated
Bond	17,768	High	Elevated	High	Guarded	High	Elevated	High
Boone	54,165	High	Elevated	High	Guarded	Elevated	Guarded	Elevated
Brown	6,937	High	Guarded	High	Guarded	High	Guarded	Elevated
Bureau	34,978	Severe	Elevated	High	Elevated*	Elevated	Guarded	Elevated
Calhoun	5,089	High	Elevated	High	Guarded	High	Elevated	Guarded
Carroll	15,387	Severe	Elevated	High	High	Elevated	Guarded	Elevated
Cass	13,642	Severe	Elevated	High	Elevated	Elevated	Elevated	High*
Champaign	201,081	Severe	Elevated	High	Elevated	Elevated	Elevated	High

Severe Winter Storm Loss Estimates by County

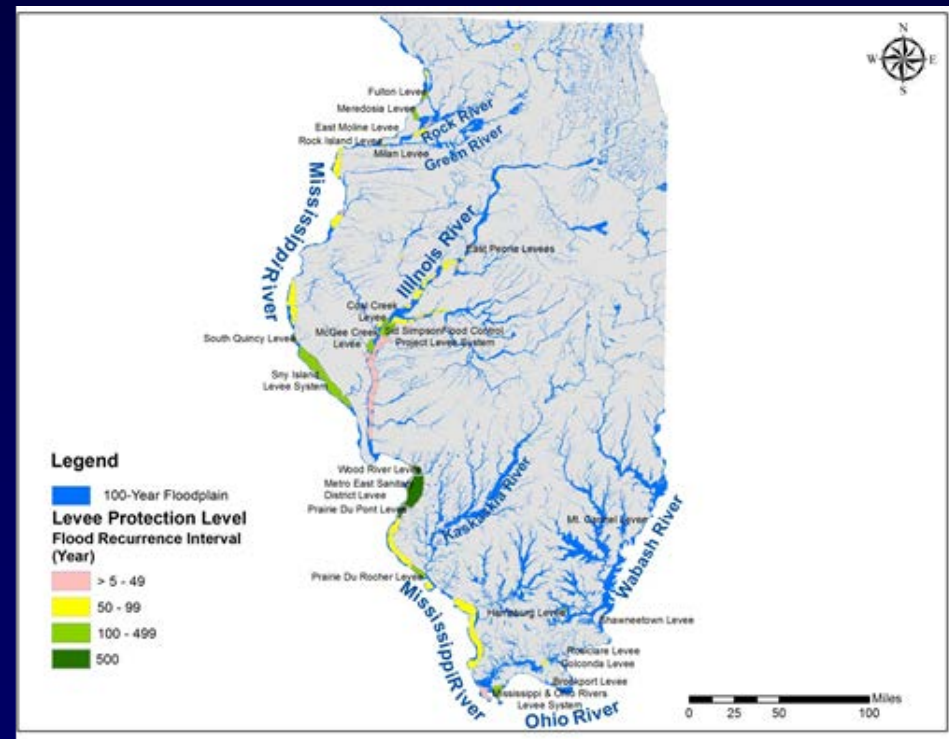
County	Number of Severe Winter Storms 1960-2012 (NCDC)	Total Recorded Loss (NCDC)	Average \$ in property damage per event (NCDC)	Annual Probability of Event	Estimated Annual Loss
Adams	25	\$1,728,341	\$69,133.66	48.1%	\$33,237.33
Alexander	32	\$11,603,858	\$362,620.55	61.5%	\$223,151.11
Bond	20	\$116,924	\$5,846.20	38.5%	\$2,248.54
Boone	44	\$4,078,289	\$92,688.40	84.6%	\$78,428.64
Brown	23	\$1,716,639	\$74,636.49	44.2%	\$33,012.29
Bureau	38	\$3,988,058	\$104,948.89	73.1%	\$76,693.42
Calhoun	21	\$1,577,146	\$75,102.19	40.4%	\$30,329.73
Carroll	44	\$4,084,516	\$92,829.90	84.6%	\$78,548.38
Cass	31	\$1,571,174	\$50,683.02	59.6%	\$30,214.88
Champaign	36	\$1,632,701	\$45,352.81	69.2%	\$31,398.10
Christian	32	\$1,569,861	\$49,058.16	61.5%	\$30,189.64





HAZUS-MH Analysis

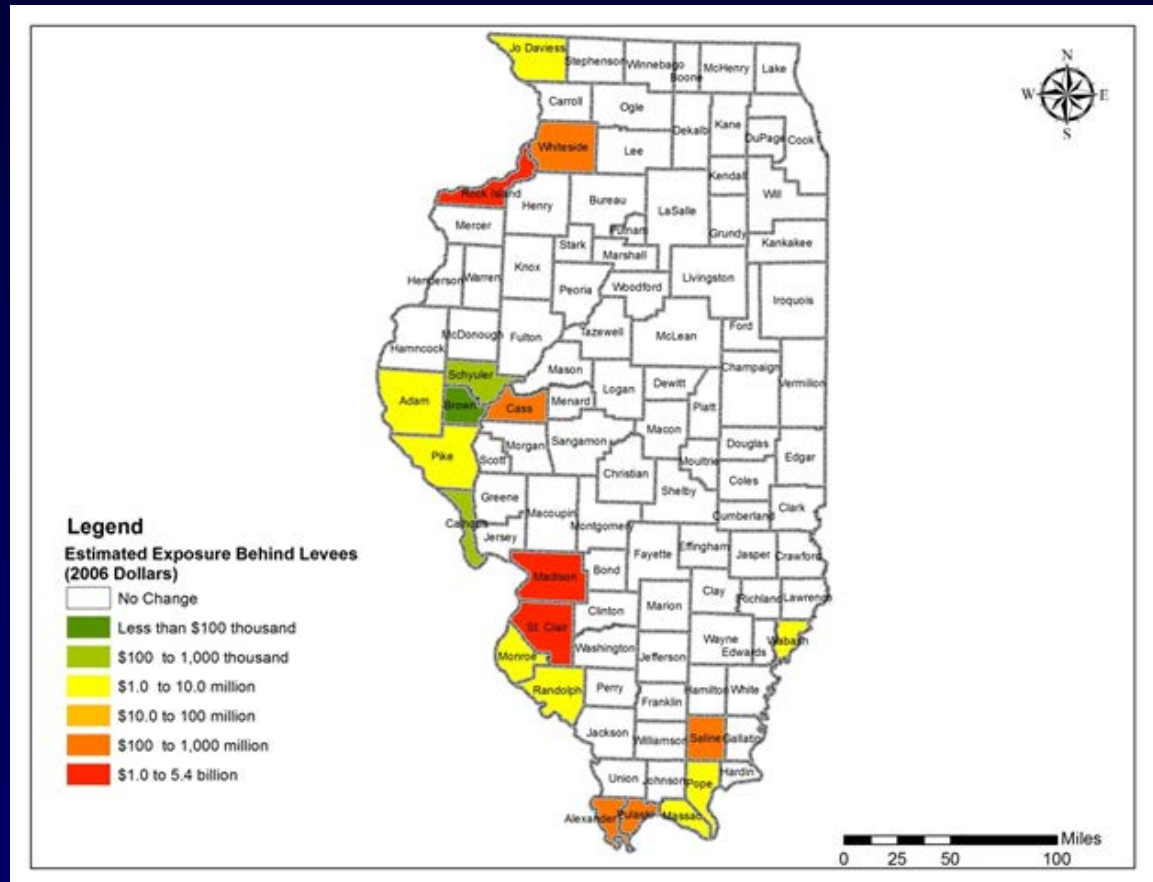
- Southern Illinois University conducted a Level 1.5 HAZUS-MH Analysis on State of Illinois for flooding.
- 102 Individual Flood Vulnerability Reports
- Statewide Summary Report
 - Flood Exposure Assessment
 - Ranking 15 most flood-vulnerable communities
 - Identify States Critical Facilities in 100 year floodplain
- Funded through HMGP and State Funds





Estimated Exposure

- The Illinois Statewide Flood Hazard Assessment and Hazus-MH estimated there to be \$22.3 billion in building-related infrastructure in Illinois behind levees accredited by FEMA as protecting the 100-year level or higher.





Planning Resources

- National Climatic Data Center (NCDC): <http://www.ncdc.noaa.gov/stormevents/>
- Spatial Hazard Events and Losses Database for the United States (SHELDUS): <http://webra.cas.sc.edu/hvri/products/sheldus.aspx>
- Illinois State Water Survey (ISWS): <http://www.isws.illinois.edu/>
- Illinois State Geological Survey: <http://www.isgs.uiuc.edu/>
- US Geological Atmospheric Administration: <http://www.usgs.gov/>
- National Weather Service: <http://www.weather.gov/>
- USGS: http://waterwatch.usgs.gov/index.php?r=il&id=ww_drought
- Illinois State Climatologist Office: <http://www.isws.illinois.edu/atmos/statecli/>
- Illinois Department of Natural Resources (IDNR): <http://www.dnr.illinois.gov/WaterResources/Pages/default.aspx>
- Illinois Emergency Management Agency: <http://www.state.il.us/iema/planning/planning.htm>
- Federal Emergency Management Agency: <http://www.fema.gov/multi-hazard-mitigation-planning>
- U.S. Census Bureau: <http://www.census.gov/>
- FEMA Flood Maps: <https://msc.fema.gov/webapp/wcs/stores/servlet/>
- Illinois Floodplain Maps: <http://www.illinoisfloodmaps.org/>
- FEMA Rebuild and Recovery: <http://www.fema.gov/response-recovery>
- Census Quick Facts: <http://quickfacts.census.gov/qfd/states/17000.html>
- National Levee Database: <http://nld.usace.army.mil/egis/f?p=471:1:>
- USACE Levee Inspections: <http://www.usace.army.mil/Missions/CivilWorks/LeveeSafetyProgram/LeveeInspections.aspx>
- FEMA Levee Resource: <http://www.fema.gov/fema-levee-resources-library>
- US Palmer Drought Index: <http://www.ncdc.noaa.gov/oa/climate/research/prelim/drought/palmer.html>
- Extreme Heat Information: <http://www.bt.cdc.gov/disasters/extremeheat/>
- NOAA Heat Index Chart: <http://www.nws.noaa.gov/om/heat/index.shtml>
- National Earthquake Information Center: <http://earthquake.usgs.gov/regional/neic/>
- Urban Seismic Hazard Mapping: http://earthquake.usgs.gov/regional/ceus/urban_map/index.php
- Association of State Dam Safety Officials: <http://www.damsafety.org/>
- National Dam Safety Program: <http://www.fema.gov/about-national-dam-safety-program>



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