

APPENDIX B

Terms and Definitions
References

Terms and Definitions:

ESDA - Champaign County Emergency Services Disaster Agency

FEMA - Federal Emergency Management Agency

IEMA - Illinois Emergency Management Agency

NFIP – National Flood Insurance Program

USGS - United States Geology Survey

Base Flood: The flood having a one percent chance of being equaled or exceeded in any given year. The base flood is also known as the one-hundred-year flood.

BOCA (Building Officials and Code Administrators International, Inc.): The professional association representing the full spectrum of code enforcement disciplines and construction industry interests. BOCA is the premier publishers of model codes.

CRS (Community Rating System): The National Flood Insurance Program's (NFIP) Community Rating System (CRS) was implemented in 1990 as a program for recognizing and encouraging community floodplain management activities that exceed the minimum NFIP standards.

FIRM (Flood Insurance Rate Map): The official map on which the Federal Insurance Administration has delineated both the areas of special flood hazards and the risk premium zones applicable to the community.

Flood Insurance Study: The official report in which the Federal Insurance Administration has provided flood profiles, as well as the flood boundary-floodway map and the water surface elevation of the base flood. The flood insurance study consists of the flood boundary-floodway map, the flood insurance rate map and a technical narrative.

Mitigation: Sustained action taken to reduce or eliminate long-term risk to people and their property from hazards and their effects.

Mobile Home Park (Manufactured Home Park, Manufactured Home Subdivision): A parcel of land divided into two or more manufactured home lots for rent or sale for which the construction of facilities for servicing the lot on which the manufactured home is to be affixed (including, at a minimum, the installation of utilities, either final site grading or the pouring of concrete pads, and the construction of streets) is completed before the effective date of this article. Manufactured Home (Prefabricated Building) is a structure that is transportable in one or more sections, built on a permanent chassis, and designed to be used with or without a permanent foundation when connected to the required utilities.

Special Flood Hazard Area (SFHA): Those lands within the jurisdiction of the city that are subject to inundation by the base flood. The SFHA's of the city are generally identified as such on the Flood Insurance Rate Map of the city prepared by the Federal

Insurance Administration and dated January 16, 1981, as amended, and the Flood Insurance Rate Map of the County of Champaign, dated March 1, 1984.

Shelter: A space where people can survive a tornado or hurricane with little or no injury. Shelter must be adequately anchored to the house foundation to resist overturning and uplift. The connections between all parts of the shelter must be strong enough to resist failure, and the walls, roof, and door must resist penetration by windborne missiles. A shelter located inside the house can be called a "Safe Room".

URM (Unreinforced Masonry): Unreinforced masonry (URM) buildings consist of structures in which there is no steel reinforcing within a masonry wall. Some cities classify unreinforced infill walls within a reinforced frame as a URM, while others classify unreinforced exterior veneers on to a wood frame as URM's.

References:

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- FEMA 2000, *Planning for a Sustainable Future: the Link Between Hazard Mitigation and Livability*, FEMA 364 (http://www.fema.gov/mit/planning_toc.htm).
- FEMA 1999, *Taking Shelter From the Storm: Building a Safe Room Inside Your House*, FEMA 320 (<http://www.fema.gov/mit/tsfs01.htm>)
- FEMA 1997, *Multi Hazard Identification and Risk Assessment- A Cornerstone of the National Mitigation Strategy*, FEMA (http://www.fema.gov/mit/tsd/ft_mhira.htm)
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Hauer, Richard J., Mary C. Hruska, and Jeffrey O. Dawson, 1994, *Trees and ice storms: The development of ice storm-resistant urban tree populations*, Special Publication 94-1, Department of Forestry, University of Illinois at Urbana- Champaign. Urbana, Illinois.

Illinois Department of Natural Resources 1996, *Floodplain Management: Local Floodplain Administrator's Manual*, Illinois Department of Natural Resources, Springfield, Illinois.

IEMA 1997, *Model Hazard Mitigation Plan Handbook*, IEMA

Morris, Marya 1997, *Subdivision Design in Flood Hazard Areas*, Planning Advisory Service (PAS) Report Number 473, American Planning Association, Chicago, Illinois.

Wu, Yueming 2001, *Seismic Risk Assessment for Typical Communities in mid-America* (unpublished doctorate dissertation), Department of Urban and Regional Planning, University of Illinois, Champaign, Illinois.

Websites:

All hazards

University of Colorado/ Natural Hazards Observer
www.colorado.edu/hazards

Tornado

General information about the nature of tornadoes is on

<http://205.156.54.206/om/brochures/tornado.htm>

<http://www.tornadoproject.com/alltorns/iltorn1.htm#C> has history of tornadoes by state and county.

[http://ww2010.atmos.uiuc.edu/\(Gh\)/arch/cases/960419/nxrd/urb.rxml](http://ww2010.atmos.uiuc.edu/(Gh)/arch/cases/960419/nxrd/urb.rxml) has some maps for Illinois.

<http://www.crh.noaa.gov/ilx/torstats.htm>

<http://www.disastercenter.com/illinois/tornado.html>

<http://www.nssl.noaa.gov/~brooks/essays/mobilehome.html> has information on vulnerability of mobile homes.

BOCA international - www.bocai.org

Winter/ice storms

<http://www.sws.uiuc.edu/atmos/statecli/winter.htm>

<http://il.water.usgs.gov/nwis-w/IL/data.components/nmdmap.cgi?statnum=03337000>

Floods

Association of Floodplain Managers - www.floods.org

Illinois Home Study Course - www.illinoisfloods.org

For stream flow data

http://water.usgs.gov/il/nwis/discharge?site_no=03337000&agency_cd=USGS&format=gif

Earthquake

About magnitude – intensity comparison of earthquake

http://www.neic.cr.usgs.gov/neis/general/handouts/mag_vs_int.html

Examples

North Carolina Mitigation Plan -

http://www.dem.dcc.state.nc.us/mitigation/home_protection.htm#flood

Ice storm mitigation – Canada -

<http://www.electricityforum.com/et/May99/ice.html>