

Appendix B

Sources

B.1 Sources for Planning Process (Section 2)

- FEMA. Mitigation Planning Guidance (386 Series). Available on the web at: http://www.fema.gov/plan/mitplanning/planning_resources.shtm
- FEMA Region II “Tool Kit”
http://www.fema.gov/about/regions/regionii/toolkit_table.shtm

B.2 Sources for Hazard Identification, Profiling, and Ranking (Section 3)

Overview of Sussex County’s History of Hazards

- Federal Emergency Management Agency (FEMA). Disaster Declarations database. Available on the web at: <http://www.fema.gov/news/disasters.fema>
- Hazards & Vulnerability Research Institute.(SHELDUS) Available on the web at: <http://www.sheldus.org>
- National Oceanic and Atmospheric Administration (NOAA)/National Climatic Data Center (NCDC) database. History and description of major hazard events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwwcgi.dll?wwevent~storms>
- NOAA/NCDC database. Retrieved from <http://www.ncdc.noaa.gov/oa/climateresearch.html>
- New Jersey Office of Emergency Management (OEM). Summary of Presidentially Declared Disasters 1992 -2000. Available on the web at: http://www.nj.gov/oem/county/press_1992pres.html
- Public Entity Risk Institute. Presidential Disaster Declarations. Available on the web at: <http://www.peripresdecusa.org/mainframe.htm>

Dam Failure

- NJDEP’s Dam Safety & Flood Control retrieved from <http://www.state.nj.us/dep/damsafety/faq.htm>
- New Jersey Department of Environmental Protection (NJDEP)-Department of Dam Safety and Flood Control. History of dam failure events. Available on the web at: <http://www.nj.gov/dep/damsafety/>
- NJDEP-Department of Dam Safety and Flood Control. Sussex County dam inventory.
- Stanford University. Retrieved from <http://npdp.stanford.edu/index.html>
- Consequence Assessment for USACE Risk Estimates “presentation by Jason Needham, P.E. Senior Consequence Specialist with USACR Risk Management Center on May 25, 2010

Drought

- Consequence Assessment for USACE Risk Estimates “presentation by Jason Needham, P.E. Senior Consequence Specialist with USACR Risk Management Center on May 25, 2010
- Glossary of Meteorology (1959)
- GIS data from NJDEP’s NJ Geological Survey’s Digital Geodata Series from May 2004. Retrieved from <http://www.njgeology.org/geodata/dgs00-1.htm>
- NJDEP, <http://www.state.nj.us/dep/gis/lulc2002statablescounty.htm>
- NOAA/NCDC database. History of Sussex County drought events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- Office of the New Jersey State Climatologist at Rutgers University. Available on the web at: <http://climate.rutgers.edu/stateclim/>

Earthquake/Geological

- FEMA 366: Estimated Annualized Earthquake Losses for the United States (April 2008). Retrieved from <http://www.fema.gov/library/viewRecord.do?id=3265>
- New Jersey Geological Survey (NJGS). Earthquake Risk in New Jersey. Available on the web at: <http://www.state.nj.us/dep/njgs/enviroed/eqrisk.htm>
- NJDEP - New Jersey Geological Survey - DGS04-1 Earthquakes Epicentered in New Jersey <http://www.state.nj.us/dep/njgs/geodata/dgs04-1.htm#image>
- NJDEP’s Land Use Management & NJ Geological Survey’s study *Earthquake Risk in New Jersey* (1998, Revised 2005). Retrieved from <http://www.state.nj.us/dep/njgs/enviroed/freedwn/e-quake.pdf>
- Sykes et al., Lamont-Doherty Earth Observatory of Columbia University, Palisades, New York 10964 (June 29, 2007) *Observations and Tectonic Settings of Historic and Instrumentally Located Earthquakes in the Greater New York City-Philadelphia Area*. Retrieved from <http://www.ldeo.columbia.edu/files/sykespdf.pdf>
- United States Geological Survey (USGS). Earthquake History in New Jersey. Available on the web at: http://earthquake.usgs.gov/regional/states/new_jersey/history.php
- USGS. Retrieved from <http://earthquake.usgs.gov/hazards/products/conterminous/2008/maps/>
- USGS. Retrieved from http://earthquake.usgs.gov/learn/topics/mag_vs_int.php
- US Geological Survey (USGS). Retrieved from <http://earthquake.usgs.gov/learn/topics/mercalli.php>

Flood

- Delaware River Basin Commission (DRBC). Delaware River Basin Map. Available on the web at: <http://www.state.nj.us/drbc/edweb/maps.htm>
- Delaware River Basin Commission's *Multi-Jurisdictional Flood Mitigation Plan for Municipalities in the Non-tidal, New Jersey Section of the Delaware River Basin*, November 2008, p57. Retrieved from http://www.state.nj.us/drbc/Flood_Website/NJmitigation/index.htm
- FEMA. Disaster Declarations database. Available on the web at: <http://www.fema.gov/news/disasters.fema>
- FEMA's *Preliminary Flood Insurance Study for Sussex County, New Jersey*, August 31, 2009, p8
- FEMA. DFIRM Preliminary data.
- FEMA Repetitive Losses Queried May 10, 2010.
- FEMA. Flood zone designations. Available on the web at: [FEMA Flood Zone Designations](#)
- FEMA.SFHA Retrieved from <http://www.floodsmart.gov/floodsmart/pages/faqs/what-is-a-special-flood-hazard-area.jsp>
- NOAA/NCDC database. History of Sussex County flood events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- NJDEP, Flood Control Section, Bureau of Dam Safety and Flood Control. Retrieved from <http://nj.gov/dep/floodcontrol/about.htm#mapping>
- NJDEP. Retrieved from <http://www.nj.gov/dep/greenacres/>
- NJ Flood Mitigation Task Force. Retrieved from <http://www.njflood.org/current.html>
- USGS *Large Floods in the United States: Where They Happen and Why Circular 1245*, 2003, p1. Retrieved from <http://pubs.usgs.gov/circ/2003/circ1245/pdf/circ1245.pdf>
- USGS *Flood Hazards – A National Threat Circular*. Retrieved from <http://pubs.usgs.gov/fs/2006/3026/2006-3026.pdf>

Hazardous Materials–Release

- Environmental Protection Agency. Retrieved from <http://www.epa.gov/compliance/resources/newsletters/civil/enfalert/nitrates.pdf>
- FEMA. Hazardous material related Federal Disaster Declarations. Available on the web at: <http://www.fema.gov/news/disasters.fema>
- GIS Hazardous Material site data from HAZUS MR4
PHSA. Retrieved from <https://hazmatonline.phmsa.dot.gov/IncidentReportsSearch/>
- Right-to-Know TRI. Retrieved from <http://www.rtknet.org/node/630>

- Office of Hazardous Materials Safety: United States Department of Transportation. Hazardous Materials Incident Data. Available on the web at: <http://hazmat.dot.gov/pubs/inc/data/2007/2007frm.htm>

High Winds–Straight-Line Winds

- NOAA. Coastal Service Center-Historic Hurricane Tracks Database. Available on the web at: <http://maps.csc.noaa.gov/hurricanes/viewer.html>
- NOAA, National Hurricane Center (NHC). Retrieved from <http://www.nhc.noaa.gov/aboutgloss.shtml#h>
- NOAA/NCDC database. History of Sussex County hurricane and high wind events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- NOAA, from http://www.noaa.gov/features/03_protecting/noreasters.html

High Winds–Tornadoes

- FEMA. Tornado Activity in the United States. Available on the web at: http://www.fema.gov/plan/prevent/saferoom/tsfs02_torn_activity.shtm
- Bureau of the Census. Retrieved from <http://factfinder.census.gov>
- NOAA. National Weather Service. Enhanced Fujita Scale. Available on the web at: <http://www.spc.noaa.gov/efscale/>
- NOAA. GIS data retrieved from <http://www.spc.ncep.noaa.gov/gis/svrgis/>
- NOAA. National Weather Service. Fujita Tornado Measurement Scale.
- NOAA/NCDC database. History of Sussex County tornado events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>

Landslide

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- NJDEP Landslide GIS Data retrieved from <http://www.nj.gov/dep/njgs/geodata/dgs06-3.htm>
- NJGS. New Jersey Landslide Susceptibility and Population. Available on the web at: <http://www.state.nj.us/dep/njgs/geodata/index.htm#geogrphy>
- USGS Fact Sheet 2004-3072 Landslide Types and Processes retrieved from <http://pubs.usgs.gov/fs/2004/3072/>

Losses, Crops

- NOAA/NCDC database. History of Sussex County drought events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>

Severe Weather–Summer

- NOAA/NCDC database. History of Sussex County extreme temperature events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- NOAA. Retrieved from <http://www.weather.gov/om/heat/heatindex.shtml>
- NOAA NWS. Retrieved from http://www.weather.gov/os/brochures/heat_wave.shtml

Severe Weather–Winter

- NOAA. National Weather Service. Winter storm event history for Sussex County.
- NOAA/NCDC database. History of Sussex County winter weather events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- NOAA. Retrieved from <http://www.crh.noaa.gov/lx/?n=winterday>
- Office of the New Jersey State Climatologist at Rutgers University. Available on the web at: <http://climate.rutgers.edu/stateclim/>
- SHELDUS 7.0, NCDC, and NWS's NESIS from http://www.ncdc.noaa.gov/snow-and-ice/nesis.php?sort=nesis_asc#rankings

Wildfire

2007 NJ State Hazard Mitigation Plan pg 66-67.

- NOAA/NCDC database. History of Sussex County wildfire events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- NJDEP's New Jersey Forest Fire Service. GIS Data retrieved from <http://www.state.nj.us/dep/gis/njfh.html#HUN>
- The Wildland Urban Interface in the United States. Ecological Applications 15:799-805. Retrieved from http://silvis.forest.wisc.edu/projects/WUI_Main.asp

B.3 Sources for Risk Assessment (Section 4)

Overview of Sussex County's Assets & Development Trends

- GIS data from NJ Office of Smart Growth, 2010 NJDRP. Retrieved from <http://www.nj.gov/dca/divisions/osg/plan/df.html#gis>
- HAZUS-MH MR4, Patch 2 Analysis completed June 2010
- HAZUS-MH MR4 Technical and User Manuals
- January 2010 Final Draft of NJ State Development and Redevelopment Plan, p31-38. Plan retrieved from <http://www.nj.gov/dca/divisions/osg/plan/df.html>
- NJDEP. Sussex County Land Use Land Cover data. Available on the web at: <http://www.princeton.edu/~geolib/gis/njluse.html>
- NJOIT, OGIS January 2009. GIS data retrieved from <http://www.state.nj.us/dep/gis/>

Dam Failure Risk in Sussex County

- NJDEP–Department of Dam Safety and Flood Control. Sussex County dam inventory. Spring, 2008.
- US Census Bureau. 2000 US Census data for Sussex County.

Earthquake Risk in Sussex County

- FEMA, *FEMA 366: Estimated Annualized Earthquake Losses for the United States* (April 2008). Retrieved from <http://www.fema.gov/library/viewRecord.do?id=3265>
- HAZUS-MH MR4, Patch 2 Earthquake Analysis completed June 2010
- NJDEP's NJGS from <http://www.state.nj.us/dep/njgs/enviroed/hazus.htm>

Flood Risk in Sussex County

- FEMA. Disaster Declarations database. Available on the web at: <http://www.fema.gov/news/disasters.fema>
- HAZUS-MH MR4, Patch 2 Flood Analysis completed June 2010
- NJDEP. Sussex County Land Use Land Cover data. Available on the web at: <http://www.princeton.edu/~geolib/gis/njluse.html>
- NOAA/NCDC database. History of Sussex County flood events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- USGS's National Elevation Dataset from <http://seamless.usgs.gov/>

High Wind Risk in Sussex County

- HAZUS-MH MR4, Patch 2 Flood Analysis completed June 2010

Severe Weather - Winter Risk in Sussex County

- NOAA/NCDC database. History of Sussex County winter weather events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- SHELDUS 7.0 and NCDC
- US Census Bureau. 2000 US Census data for Sussex County.

Wildfire Risk in Sussex County

- SHELDUS 7.0 and NCDC
- FRCC Guidebook Version 1.3.0, June 2008, p113. Retrieved from www.frcc.gov
- LANDFIRE data. <http://www.landfire.gov>
- LANDFIRE MFRI layer. U.S. Department of Interior, Geological Survey. GIS data retrieved from <http://landfire.cr.usgs.gov/viewer/>
- NOAA/NCDC database. History of Sussex County wildfire events. Available on the web at: <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>
- Population and Household data from 2000 U.S. Census Bureau
- WUI 2000 GIS data retrieved from <http://silvis.forest.wisc.edu/Library/WUIDefinitions.asp>

B.4 Sources for Capabilities Assessment (Section 5)

- NJOEM. New Jersey State Hazard Mitigation Plan Update, 2008. Available on the web at: <http://www.state.nj.us/njoem/mitigation-plan08.html>
- FEMA. Community Status Book. Available on the web at: <http://www.fema.gov/fema/csb.shtm>
- FEMA. Community Rating System Eligible Communities. Available on the web at: <http://www.fema.gov/pdf/nfip/manual200805/19crs.pdf>

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