

# 1. Appendices

## Appendix A Bibliography

- 1) American Meteorological Society. 2009. *Glossary of Meteorology: Waterspout*. Retrieved at: <http://amsglossary.allenpress.com/glossary/search?id=waterspout1>.
- 2) Barnard, Anne and Sarah Maslin Nir. October 30, 2011. "Cleaning Up After Nature Plays a Trick." *The New York Times*. Retrieved at: [http://www.nytimes.com/2011/10/31/nyregion/october-snowstorm-sows-havoc-on-northeastern-states.html?pagewanted=all&\\_r=2&](http://www.nytimes.com/2011/10/31/nyregion/october-snowstorm-sows-havoc-on-northeastern-states.html?pagewanted=all&_r=2&).
- 3) Carr, Andrew. March 25, 2014. "Update: Plane that crashed on Forge Road was sold earlier in the day." *The Sentinel*. Retrieved at: [http://cumberlink.com/news/local/communities/boiling\\_springs/update-plane-that-crashed-on-forge-road-was-sold-earlier/article\\_46ae7fd2-b3cf-11e3-bdbc-001a4bcf887a.html](http://cumberlink.com/news/local/communities/boiling_springs/update-plane-that-crashed-on-forge-road-was-sold-earlier/article_46ae7fd2-b3cf-11e3-bdbc-001a4bcf887a.html).
- 4) Centers for Disease Control and Prevention (CDC). November 2009. *2009 H1N1 Flu ("Swine Flu") and You*. Retrieved at: <http://www.cdc.gov/h1n1flu/qa.htm>.
- 5) Croley, Christen. September 14, 2013. "FRA: Train speed likely not a factor in Monroe Township collision." *The Sentinel*. Retrieved at: [http://cumberlink.com/news/local/fra-train-speed-likely-not-a-factor-in-monroe-township/article\\_5ddf2d4-1bd4-11e3-bd68-0019bb2963f4.html](http://cumberlink.com/news/local/fra-train-speed-likely-not-a-factor-in-monroe-township/article_5ddf2d4-1bd4-11e3-bd68-0019bb2963f4.html).
- 6) Cumberland County. December 15, 2003 (adoption date). "Chapter 15: Natural Environment." *Cumberland County Comprehensive Plan*. Retrieved at: <http://www.ccpa.net/DocumentCenter/View/7192>.
- 7) Cumberland County Department of Public Safety (DPS). 2011. "Cumberland County Department of Public Safety Annual Report 2011." Retrieved at: <http://www.ccpa.net/DocumentCenter/Home/View/8687>.
- 8) Cumberland County Office of Emergency Preparedness (Cumberland EOP). August, 1984. *Hazards/Vulnerability Analysis – Cumberland County*.
- 9) DeCourcy Hinds, Michael. January 5, 1994. "First Storm of '94 Dumps Snow, Ice and Rain From West Virginia to Maine." *The New York Times*. Retrieved at: <http://www.nytimes.com/1994/01/05/nyregion/first-storm-of-94-dumps-snow-ice-and-rain-from-west-virginia-to-maine.html>.
- 10) Delano, H. L., and J.P. Wilshusen. 2001, *Landslides in Pennsylvania: Pennsylvania Geological Survey*, 4th ser., Educational Series 9 (2nd ed.).
- 11) Ecode360. May 27, 2014. Lower Allen Township Code; Chapter 192: Subdivision and Land Development; Article X: Design Standards and Required Improvements; Section 192-58 Landscape Design Standards. Retrieved at: <http://ecode360.com/14967602>.
- 12) Exelon Generation. 2014/2015. "Emergency Planning for the Three Mile Island Area." Retrieved at: [http://www.exeloncorp.com/assets/energy/powerplants/docs/TMI/bro\\_TMI\\_PIB.pdf](http://www.exeloncorp.com/assets/energy/powerplants/docs/TMI/bro_TMI_PIB.pdf).
- 13) Federal Emergency Management Agency (FEMA). 1997. *Multi-Hazard Identification and Risk Assessment: A Cornerstone of the National Mitigation Strategy*. Washington, D.C.

- 14) Federal Emergency Management Agency (FEMA). July, 2000. Benefit-Cost Analysis of Hazard Mitigation Projects: Tornado and Hurricane Shelter Model. Retrieved at: [https://www.lawrenceks.org/assets/agendas/cc/2013/06-18-13/cm\\_report\\_storm\\_shelter\\_benefit\\_cost\\_analysis.pdf](https://www.lawrenceks.org/assets/agendas/cc/2013/06-18-13/cm_report_storm_shelter_benefit_cost_analysis.pdf).
- 15) Federal Emergency Management Agency (FEMA). August, 2001. *FEMA 386-2: Understanding Your Risks – Identifying Hazards and Estimating Losses*.
- 16) Federal Emergency Management Agency (FEMA). September, 2002. *FEMA 386-1: Getting Started*.
- 17) Federal Emergency Management Agency (FEMA). April, 2003. *FEMA 386-3: Developing the Mitigation Plan*.
- 18) Federal Emergency Management Agency (FEMA). August, 2003. *FEMA 386-4: Bringing the Plan to Life*.
- 19) Federal Emergency Management Agency (FEMA). September, 2003. *FEMA 386-7: Integrating Manmade Hazards into Mitigation Planning*.
- 20) Federal Emergency Management Agency (FEMA). May, 2005. *FEMA 386-6: Integrating Historic Property and Cultural Resource Considerations into Hazard Mitigation Planning*.
- 21) Federal Emergency Management Agency (FEMA). August, 2006. *FEMA 386-8: Multijurisdictional Mitigation Planning*.
- 22) Federal Emergency Management Agency (FEMA). May, 2007. *FEMA 386-5: Using Benefit-Cost Review in Mitigation Planning*.
- 23) Federal Emergency Management Agency (FEMA). January, 2008. *National Fire Incident Reporting System 5.0: Complete Reference Guide*.
- 24) Federal Emergency Management Agency (FEMA). August, 2008. *FEMA 386-9: Using the Hazard Mitigation Plan to Prepare Successful Mitigation Projects*.
- 25) Federal Emergency Management Agency (FEMA). April 2009. "General Information on Terrorism." Retrieved at <http://www.fema.gov/hazard/terrorism/info.shtm>.
- 26) Federal Emergency Management Agency (FEMA). June 4, 2009. *Tornado Activity in the United States*. Retrieved at: [http://www.fema.gov/plan/prevent/saferoom/tsfs02\\_torn\\_activity.shtm](http://www.fema.gov/plan/prevent/saferoom/tsfs02_torn_activity.shtm).
- 27) Federal Emergency Management Agency (FEMA). 2009. *Wind Zones in the United States*. Retrieved at: <http://www.fema.gov/safe-rooms/wind-zones-united-states>.
- 28) Federal Emergency Management Agency – Region III (FEMA – Region III). 2009. *Mid-Term Levee Inventory*. Philadelphia, PA.
- 29) Federal Emergency Management Agency Community Information System (FEMA CIS). July 22, 2014.
- 30) Federal Emergency Management Agency. 2014. "Disaster Declarations for Pennsylvania." Retrieved at [https://www.fema.gov/disasters/grid/state-tribal-government/44?field\\_disaster\\_type\\_term\\_tid\\_1=All](https://www.fema.gov/disasters/grid/state-tribal-government/44?field_disaster_type_term_tid_1=All).

- 31) Federal Emergency Management Agency (FEMA). 2014. *National Flood Insurance Program Community Rating System*. Retrieved at: <http://www.fema.gov/national-flood-insurance-program-community-rating-system>.
- 32) Federal Highway Administration. 2009. "Congestion: A National Issue." Retrieved at: <http://www.ops.fhwa.dot.gov/aboutus/opstory.htm>.
- 33) Global Security. May, 2009. *Flu Pandemics in History*. Retrieved at: [http://www.globalsecurity.org/security/ops/hsc-scen-3\\_pandemic-history.htm](http://www.globalsecurity.org/security/ops/hsc-scen-3_pandemic-history.htm).
- 34) Harrisburg Area Transportation Study. 2010. *2035 Regional Transportation Plan*. Retrieved at: <http://www.tcrpc-pa.org/HATS/Regional-Transportation-Plan/Pages/2035-Plan.aspx>.
- 35) Hirst, Eric and Brendan Kirby. 1996. *Ancillary Services*. Oak Ridge, TN: Oak Ridge National Laboratory.
- 36) Juniata County, PA Multi-Jurisdictional Hazard Mitigation Plan (Juniata, PA MJHMP). July, 2008. *Appendix C – Hazard Profiles: Civil Disorder*.
- 37) Kochanov, W. E. 1999. *Sinkholes in Pennsylvania*. Harrisburg, PA: Pennsylvania Geological Survey, 4<sup>th</sup> ser., Educational Series 11.
- 38) Makkai, Adam. 1970. "Statistical Aspects of Phrasal Idioms in Modern English." *Proceedings of the 10<sup>th</sup> International Congress of Linguists, Bucharest, 1967*.
- 39) Malmont, Lara and Joseph Cress. March 16, 2013. "Lacrosse team bus crash near Carlisle leaves driver, pregnant coach dead." *The Sentinel*. Retrieved at: [http://cumberlink.com/news/local/lacrosse-team-bus-crash-near-carlisle-leaves-driver-pregnant-coach/article\\_8dca4356-8e41-11e2-920b-0019bb2963f4.html](http://cumberlink.com/news/local/lacrosse-team-bus-crash-near-carlisle-leaves-driver-pregnant-coach/article_8dca4356-8e41-11e2-920b-0019bb2963f4.html).
- 40) Martin, P.M.V. and E. Martin-Granel. 2006. "2500-year Evolution of the Term Epidemic." Retrieved at: <http://www.cdc.gov/ncidod/EID/vol12no06/05-1263.htm>.
- 41) McKee, T.B.; N.J. Doesken; and J. Kleist. 1993. The relationship of drought frequency and duration to time scales. Preprints, 8th Conference on Applied Climatology, pp. 179–184. January 17–22, Anaheim, California.
- 42) Mercer County. 2005. *All Hazard Mitigation Plan*. Mercer County, PA.
- 43) Michael Baker Jr., Inc. October 2013. *Commonwealth of Pennsylvania 2013 State Standard All-Hazard Mitigation Plan*.
- 44) National Center for Atmospheric Research (NCAR), Environmental and Societal Impacts Group, and the American Meteorological Society. 2001. *Extreme Weather Sourcebook 2001: Economic and Other Societal Impacts Related to Hurricanes, Floods, Tornadoes, Lightning, and Other U.S. Weather Phenomena*. National Center for Atmospheric Research: Boulder, CO.
- 45) National Climatic Data Center (NCDC). 2007. United State Snow Climatology. Retrieved at: <http://www.ncdc.noaa.gov/ussc/index.jsp>.
- 46) National Climatic Data Center (NCDC). 2014. *Storm Events Database*. Retrieved at: <http://www.ncdc.noaa.gov/stormevents/choosedates.jsp?statefips=42%2CPENNSYLVANIA>.

- 47) National Drought Mitigation Center, University of Nebraska - Lincoln. 2014. Retrieved at: <http://drought.unl.edu/Planning/Monitoring/ComparisonofIndicesIntro/PDSI.aspx>.
- 48) National Fire Protection Association (NFPA). 2007. *NFPA 1600: Standard on Disaster/Emergency Management and Business Continuity Programs*.
- 49) National Hurricane Center (NHC). 2014. *Saffir-Simpson Hurricane Wind Scale*. Retrieved at: <http://www.nhc.noaa.gov/aboutsshs.shtml>.
- 50) National Oceanic and Atmospheric Administration (NOAA). 2009. *Comparative Climatic Data for the United States through 2009*.
- 51) National Research Council. 1986. *The Earth's Electrical Environment*. Washington, DC: National Academy Press.
- 52) National Weather Service (NWS). December 1996. "Service Assessment: Blizzard of '96." Retrieved at: <http://www.nws.noaa.gov/om/assessments/pdfs/bz-mrg.pdf>.
- 53) PennLive. August 23, 2011. *Earthquake Tremors Felt in Central Pennsylvania from Lycoming to Cumberland County*. Retrieved at: [http://www.pennlive.com/midstate/index.ssf/2011/08/earthquake\\_tremors\\_felt\\_in\\_mid.html](http://www.pennlive.com/midstate/index.ssf/2011/08/earthquake_tremors_felt_in_mid.html).
- 54) Pennsylvania Department of Conservation and Natural Resources (DCNR). 2003. *Map 68: Density of Mapped Karst Features in South-Central and Southeastern Pennsylvania*. Retrieved at: <http://www.dcnr.state.pa.us/topogeo/hazards/sinkholes/>.
- 55) Pennsylvania Department of Conservation and Natural Resources (DCNR). 2009. *Sinkholes in Pennsylvania*. Retrieved at: <http://www.dcnr.state.pa.us/topogeo/hazards/sinkholes/>.
- 56) Pennsylvania Department of Conservation and Natural Resources (DCNR). 2014. *Effects and Costs of Landslides*. Retrieved at: <http://www.dcnr.state.pa.us/topogeo/hazards/landslides/slidecost/index.htm>.
- 57) Pennsylvania Department of Conservation and Natural Resources (DCNR). 2014. Inventory of Karst Features (spatial dataset). Retrieved at: <http://www.gis.dcnr.state.pa.us/>.
- 58) Pennsylvania Department of Conservation and Natural Resources (DCNR). 2014. *Publications on Landslides in Pennsylvania*. Retrieved at: <http://www.dcnr.state.pa.us/topogeo/hazards/landslides/slidepubs/index.htm>.
- 59) Pennsylvania Department of Conservation and Natural Resources (DCNR). 2014. "Wildfire in Pennsylvania." Retrieved at: <http://www.dcnr.state.pa.us/forestry/wildlandfire/firestatistics/index.htm>.
- 60) Pennsylvania Department of Conservation and Natural Resources – Bureau of Forestry (DCNR – BOF). September 23, 2009. Personal Communication with Richard Deppen, Wildfire Prevention Specialist.
- 61) Pennsylvania Department of Conservation and Natural Resources – Bureau of Forestry (DCNR – BOF). May, 2010. Personal Communication with Richard Deppen, Wildfire Prevention Specialist.

- 62) Pennsylvania Department of Conservation and Natural Resources – Bureau of Forestry (DCNR – BOF). August 8, 2014. Wildfire Risk Reduction. Retrieved at: <http://www.dcnr.state.pa.us/forestry/wildlandfire/firewise/index.htm>.
- 63) Pennsylvania Department of Environmental Protection (PADEP). May, 2008. *3140-FS-DEP4174: Pennsylvania's Dam Safety Program Fact Sheet*.
- 64) Pennsylvania Department of Environmental Protection (PADEP). August 14, 2014. "Historical [Drought] Maps." Retrieved at [http://www.portal.state.pa.us/portal/server.pt/community/historical\\_maps/21268](http://www.portal.state.pa.us/portal/server.pt/community/historical_maps/21268).
- 65) Pennsylvania Department of Health (PA DOH). 2005. *Influenza Pandemic Response Plan: Framework, Methodology, and Recommendations for Pandemic Preparedness*. Retrieved at: <http://www.portal.state.pa.us/portal/server.pt?open=514&objID=558018&mode=2>.
- 66) Pennsylvania Department of Health. 2014. "The History of Flu Pandemics." Retrieved at: [http://www.portal.state.pa.us/portal/server.pt/community/hide\\_about\\_flu\\_pandemics/20026/history\\_of\\_flu\\_pandemics/924483](http://www.portal.state.pa.us/portal/server.pt/community/hide_about_flu_pandemics/20026/history_of_flu_pandemics/924483).
- 67) Pennsylvania Department of Health. 2014a. "Focus on Flu: Latest Information on Influenza." Retrieved at: [http://www.portal.state.pa.us/portal/server.pt/community/influenza\\_%28flu%29/14161](http://www.portal.state.pa.us/portal/server.pt/community/influenza_%28flu%29/14161).
- 68) Pennsylvania Emergency Management Agency (PEMA). *Hazard Mitigation Planning Made Easy!*
- 69) Pennsylvania Emergency Management Agency (PEMA). March 6, 2009. *Mitigation Ideas: Potential Mitigation Measures by Hazard Type – A Mitigation Planning Tool for Communities*.
- 70) Pennsylvania Emergency Management Agency (PEMA). November 10, 2009. *Savings to the Fund – 2009*. Personal communication with Steve Boyer, PLS.
- 71) Pennsylvania Emergency Management Agency (PEMA). 2011. *Pennsylvania's Hazardous Material Emergency Planning and Response Act 1990-165: 2011 Annual Report*. Retrieved at: [http://www.dli.state.pa.us/portal/server.pt?parentname=SearchResult&space=SearchResult&in\\_tx\\_query=Hazardous+Material+Emergency+Planning+and+Response+Act+Annual+Report+2011&parentid=11&in\\_hi\\_userid=2&control=bannerstart&cached=false](http://www.dli.state.pa.us/portal/server.pt?parentname=SearchResult&space=SearchResult&in_tx_query=Hazardous+Material+Emergency+Planning+and+Response+Act+Annual+Report+2011&parentid=11&in_hi_userid=2&control=bannerstart&cached=false).
- 72) Pennsylvania Emergency Management Agency (PEMA). 2014. *Governor's Proclamations*. Retrieved at: [http://www.portal.state.pa.us/portal/server.pt/community/governors\\_proclamations/4725](http://www.portal.state.pa.us/portal/server.pt/community/governors_proclamations/4725).
- 73) Pennsylvania Fish and Boat Commission. May/June 2013. *Pennsylvania Angler & Boater*. Accessed at: [http://www.opossumlakefriends.org/PA\\_Angler-Boater\\_Article5-1-2013.pdf](http://www.opossumlakefriends.org/PA_Angler-Boater_Article5-1-2013.pdf).
- 74) Rainer Jr., Kelly Rex et al. June, 1991. "Risk Analysis for Information Technology." *Journal of Management Information Systems*. Vol. 8, Issue 1.
- 75) Robson, John R.K. 1981. *Famine: Its Causes, Effects, and Management*. New York: Gordon and Breach Science Publishers, Inc.
- 76) Root, S.L. 1978. *Atlas 138ab - Geologic Map of the Carlisle and Mechanicsburg Quadrangles, Cumberland County*. Pennsylvania Department of Environmental Protection.

- 77) Spatial Hazard Events and Losses Database for the United States (SHELDUS). 2009. Retrieved at: <http://webra.cas.sc.edu/hvri/products/sheldus.aspx>.
- 78) Tri-County Regional Planning Commission (TCRPC). July, 2003. *Regional Growth Management Plan 2020*.
- 79) Tri-County Regional Planning Commission (TCRPC). 2007. *2030 Regional Transportation Plan – 2007 Update: Existing Conditions & Alternatives*.
- 80) United States Army Corps of Engineers Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory. 2007. *Ice Jams and Ice Jam Flooding*. Retrieved at: <http://www.crrel.usace.army.mil/icejams/>.
- 81) United States Census Bureau (U.S. Census). 2014. *Cumberland County, Pennsylvania; American Community Survey: 2008-2012*. Retrieved at: [http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS\\_12\\_5YR\\_DP\\_05&prodType=table](http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_12_5YR_DP_05&prodType=table).
- 82) United States Census Bureau (U.S. Census). 2014. *Cumberland County, Pennsylvania Population and Housing Narrative Profile: 2008-2012*. Retrieved at: <http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkmk>.
- 83) United States Census Bureau (U.S. Census). 2014. *Cumberland County, Pennsylvania Selected Economic Characteristics: 2008-2012*. Retrieved at: <http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkmk>.
- 84) United States Census Bureau – Population Division (U.S. Census). 2014. *Annual Estimates of the Resident Population: 2010 to 2013*. Retrieved at: <http://factfinder2.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkmk>.
- 85) United States Department of Agriculture. 2012. *2012 Census of Agriculture – County Data*. Retrieved at: [http://www.agcensus.usda.gov/Publications/2012/Full\\_Report/Volume\\_1,\\_Chapter\\_2\\_County\\_Level/Pennsylvania/st42\\_2\\_001\\_001.pdf](http://www.agcensus.usda.gov/Publications/2012/Full_Report/Volume_1,_Chapter_2_County_Level/Pennsylvania/st42_2_001_001.pdf).
- 86) United States Department of Energy. 2000. *Report of the US Department of Energy's Power Outage Study Team Findings and Recommendations to Enhance Reliability from the Summer of 1999*. Washington, D.C.
- 87) United States Department of Energy. 2005. *Liquefied Natural Gas: Understanding the Basic Facts*. Washington, D.C.
- 88) United States Department of Health and Human Services (US DHHS). 2010. "Your State: Pennsylvania." *The Great Pandemic: The United States in 1918-1919*. Retrieved at: [http://1918.pandemicflu.gov/your\\_state/pennsylvania.htm](http://1918.pandemicflu.gov/your_state/pennsylvania.htm).
- 89) United States Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA). 2014. Retrieved at: <http://www.phmsa.dot.gov/hazmat/library/data-stats/incidents>.
- 90) United States Environmental Protection Agency (USEPA). 2014. *Toxic Release Inventory (TRI) Program*. Retrieved at: <http://www2.epa.gov/toxics-release-inventory-tri-program>.

- 91) United States Environmental Protection Agency (USEPA). 2014. *TRI Explorer*. Retrieved at: [http://iaspub.epa.gov/triexplorer/tri\\_factsheet.factsheet?pDataSet=TRIQ1&pyear=2012&pstate=PA&pcounty=cumberland](http://iaspub.epa.gov/triexplorer/tri_factsheet.factsheet?pDataSet=TRIQ1&pyear=2012&pstate=PA&pcounty=cumberland).
- 92) United States Geological Survey (USGS). April 10, 1996. "Statewide Floods in Pennsylvania, January 1996." Retrieved at: [http://water.usgs.gov/wid/FS\\_103-96/FS\\_103-96.html](http://water.usgs.gov/wid/FS_103-96/FS_103-96.html).
- 93) United States Geological Survey (USGS) via EarthquakeTrack. 2014. "Pennsylvania Recent Earthquakes." Retrieved at: <http://earthquaketrack.com/p/united-states/pennsylvania/recent>.
- 94) United States Nuclear Regulatory Commission (NRC). December 19, 2008. Retrieved at: <http://www.nrc.gov/about-nrc/emerg-preparedness/emerg-classification.html>.
- 95) World Health Organization. November, 2009. Pandemic (H1N1) 2009 – Update 73. Retrieved at: [http://www.who.int/csr/don/2009\\_11\\_06/en/index.html](http://www.who.int/csr/don/2009_11_06/en/index.html).