



## **Section 6: Authorities and References**

This section lists references used to prepare the *Snyder County Hazard Mitigation Plan* (HMP). Existing plans and studies were reviewed and integrated into the Plan. The *County Comprehensive Plan*, supplied by the Snyder County Planning Commission, was incorporated into multiple aspects of this HMP. Information from the *Comprehensive Plan* was used to formulate the County profile, to identify the history of individual hazards, and to detail the population projections in Snyder County. The flood insurance study acquired from the Federal Emergency Management Agency was incorporated into the flood hazard profile. Data from this study was utilized in the Hazard Vulnerability Analysis to detail the flood background for the affected municipalities.

### **Federal**

1. *Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988*, as amended by Public Law 106-390 (October 30, 2000).
2. *Disaster Mitigation Act of 2000*, Public Law 106-390, 106th Cong., (October 30, 2000).
3. Federal Emergency Management Agency, <http://www.fema.gov>.
4. ———. *Post-Disaster Hazard Mitigation Planning Guidance for State and Local Governments*.
5. ———. *Planning for Post-Disaster Recovery and Reconstruction*, (FEMA, American Planning Association.)
6. ———. *Multi-Hazard Identification and Risk Assessment Report*.
7. ———. *FEMA's Local Hazard Mitigation Plan Review Crosswalk*.
8. Bureau of Transportation Statistics, <http://www.bts.gov>.
9. United States Environmental Protection Agency, <http://www.epa.gov>.
10. National Climatic Data Center, National Oceanic and Atmospheric Administration NOAA, <http://www.ncdc.noaa.gov/oa/ncdc.html>.
11. United States Department of Commerce, Bureau of the Census, <http://www.census.gov>.
12. United States Geological Survey, <http://www.deltafour.com>.



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13. Federal Aviation Administration, <http://www.faa.gov>.

### **State**

1. *Pennsylvania Municipalities Planning Code of 1968, Act 247 as reenacted and amended by Act 170 of 1988.*
2. Pennsylvania Department of Environmental Protection, <http://www.depweb.state.pa.us/dep/site/default.asp>.
3. Pennsylvania Department of Conservation and Natural Resources, <http://www.dcnr.state.pa.us>.
4. Pennsylvania Emergency Management Agency, <http://www.pema.state.pa.us>.
5. ———. *Pennsylvania Emergency Management Services Code*. Title 35, Pa C.S. Section 101.
6. Pennsylvania State Data Center, <http://www.pasdc.hbg.psu.edu>.
7. PENNDOT Bureau of Highway Safety and Traffic Engineering. "2001 Pennsylvania Crash Facts and Statistics; Pennsylvania County Crashes, 2-5." [http://www.dot.state.pa.us/penndot/bureaus/bhste.nsf/frmfb?OpenFrameSet&Frame=contents&Src=\\_35to6arjehnn8br2elp6aoblecnm4q3jehiisrjkonkij6dt364c1h7t7n0pbe8pnn4r9685qn8rq6e9gmqpb4\\_](http://www.dot.state.pa.us/penndot/bureaus/bhste.nsf/frmfb?OpenFrameSet&Frame=contents&Src=_35to6arjehnn8br2elp6aoblecnm4q3jehiisrjkonkij6dt364c1h7t7n0pbe8pnn4r9685qn8rq6e9gmqpb4_) (accessed July 7, 2005).
8. Pennsylvania Department of Education. "Education Names and Addresses Educational Entity Search Results: Snyder County." <http://edna.ed.state.pa.us/EntitySearchResult.asp>(accessed July 10, 2005).
9. ———. "Educational Names and Addresses, All Institutions, Snyder County." <http://edna.ed.state.pa.us/TextFiles/670505693.txt> (accessed July 10, 2005).
10. Pennsylvania Corps of Engineers. *Intent to Prepare a Supplemental Environmental Impact Statement (SEIS) for the Proposed Wyoming Valley Inflatable Dam in Luzerne County, Pennsylvania*. Federal Register: August 2, 1995, vol. 60, num. 148, p. 39371-39372. From the Federal Register Online via GPO Access, <http://www.wais.access.gpo.gov>.

### **Local**

1. Selinsgrove Chamber of Commerce. "Municipal Services: Fire Companies." <http://www.selinsgrove.net/Borough/Services/services.html> (accessed July 7, 2005).



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2. Snyder County Department of Emergency Services. "Snyder County Fire Companies." <http://www.homestead.com/snydercounty911/fireemsdept.html> (accessed July 7, 2005)
3. Snyder County Emergency Management Agency, <http://www.snydercounty.911.homestead.com/countyema.html>.
4. Snyder County Emergency Management Agency, *Snyder County Commodity Flow Study*, (2002).
5. ———. *Snyder County Emergency Operations Plan*, adopted 2004, revised 2005.
6. Snyder County Home Page. "Snyder County Strategic Comprehensive Plan," (29 May 2002). <http://www.snydercounty.org/snyder/cwp/view.asp?a=727&Q=416167&snyderNav=|7356|> (accessed June 28, 2005).
7. Snyder County Planning Commission, <http://www.snydercounty.org/snyder/cwp/view.asp?a=727&Q=408537&snyderNav=|>
8. ———. "Local Government Officials Directory 2006." [http://www.snydercounty.org/snyder/lib/snyder/Directory\\_-\\_2006x.pdf](http://www.snydercounty.org/snyder/lib/snyder/Directory_-_2006x.pdf).

### **Other**

1. Kurtz, Thomas. *Intergovernmental Cooperation Handbook*. 4<sup>th</sup> ed. Pennsylvania: Department of Community and Economic Development, 1997.
2. So, Frank S., and Judith Getzels, eds. *The Practice of Local Government Planning*, 2<sup>nd</sup> ed. Washington, D.C.: International City Management Association, 1988.

### **Geospatial Data**

#### **Pennsylvania State Data Center**

##### ***Title: Impervious Surface Area for Northeast Pennsylvania, 1985***

Short Title: pa1985isaa\_ne

Edition: Revision 2003

Geospatial Data Presentation Form: Raster Digital Data

Publication Information:

Publication Place: University Park, PA

Publisher: Penn State University, Department of Meteorology



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### **Description:**

Abstract: Impervious surface area for Pennsylvania was estimated from Thematic Mapper data using algorithms developed by Dr. Toby Carlson. The Value attribute indicates percentage of the 25 meter grid cell that is impervious and range from 0 to 100 and use integer rather than decimal values for reduced storage volume. Date of the imagery ranged from 1985 to 1987, availability depended on extent of cloud cover at time of acquisition. All images were collected for the late Spring or Summer months (May-August).

### **Purpose:**

The impervious surface data was generated to support hydrologic investigations. Impervious surfaces promote runoff during and following precipitation events. Runoff impacts both quantity and quality of receiving waters. Excessive quantities of runoff promote erosion and flooding. Runoff water acquires pollutants from the impervious surface over which it flows. Pollutants can then be transported to a receiving water body. Impervious surface area is also a useful tool in assessing urbanization and urban sprawl, including the effect of urbanization on surface microclimate.

### **Title: *Impervious Surface Area for Northeast Pennsylvania, 2000***

Short Title: pa2000isaa\_ne

Edition: Revision 2003

Geospatial Data Presentation Form: Raster Digital Data

Publication Information:

Publication Place: University Park, PA

Publisher: Penn State University, Department of Meteorology

### **Description:**

Abstract: Impervious surface area for Pennsylvania was estimated from Thematic Mapper data using algorithms developed by Dr. Toby Carlson. The Value attribute indicates percentage of the 25 meter grid cell that is impervious and range from 0 to 100 and use integer rather than decimal values for reduced storage volume. Date of the imagery ranged from 1999 to 2002, availability depended on extent of cloud cover at time of acquisition. All images were collected for the late Spring or Summer months (May-August).

### **Purpose:**

The impervious surface data was generated to support hydrologic investigations. Impervious surfaces promote runoff during and following precipitation events. Runoff impacts both quantity and quality of receiving waters. Excessive quantities of runoff promote erosion and flooding. Runoff water acquires pollutants from the impervious surface over which it flows. Pollutants can



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then be transported to a receiving water body. Impervious surface area is also a useful tool in assessing urbanization and urban sprawl, including the effect of urbanization on surface microclimate.

### **Title: Pennsylvania Municipalities, 2005**

Short Title: padot-municipalities\_2005

Geospatial Data Presentation Form: Vector Digital Data

Publication Information:

Publication Place: Harrisburg, PA

Publisher: Pennsylvania Department of Transportation

### **Description:**

Abstract: Boundaries of municipalities within Pennsylvania as delineated for the PennDOT Type 10 general highway maps. Additional information comes from the Pennsylvania Bureau of Municipal Services. This layer contains all classifications of municipality including first and second class townships, boroughs, cities, and the town.

### **Purpose:**

Public information and support for transportation planning, design, and development.

### **Title: Pennsylvania County Boundaries, 2006**

Short Title: pacounty01\_2006

Geospatial Data Presentation Form: Vector Digital Data

Publication Information:

Publication Place: Harrisburg, PA

Publisher: Pennsylvania Department of Transportation

### **Description:**

Abstract: County boundaries within Pennsylvania as delineated for the PennDOT Type 10 general highway maps.

### **Purpose:**

Public information and support for transportation planning, design, and development.



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### **Federal Emergency Management Agency – HAZUS**

Title: HAZUS MH – Multihazard Loss Estimation Software Data DVD #6  
Geospatial Data Presentation Form: Geodatabase and shapefile content  
Publication Information:  
Publication Place: Jessup, MD  
Publisher: Federal Emergency Management Agency

#### ***Description:***

Care Facilities  
Emergency Centers  
Police Stations  
Fire Stations  
Schools  
Highway Bridges  
Railway Bridges  
Light Rail Bridges  
Potable Water Facilities  
Wastewater Facilities  
Oil Facilities  
Natural Gas Facilities  
Electric Power Facilities

#### ***Provided Data***

In addition to the data listed above, Snyder County also provided prepared geospatial data used in the Geographic Information Systems analysis. For details on the form and publication of this data, please contact the Snyder County Department of Geographic Information Systems:

**Dawn Dietz**  
Phone: (570) 374-5290  
[ddietz@snydercounty.org](mailto:ddietz@snydercounty.org)

**D. Wayne Sheets**  
Phone: (570) 374-3824  
[wsheets@snydercounty.org](mailto:wsheets@snydercounty.org)

**Glenn Stuck**  
Phone: (570) 374-3824  
Fax: (570) 374-5290  
[gstuck@snydercounty.org](mailto:gstuck@snydercounty.org)

#### ***Description:***

Bridges  
ERRI Floodplains (1996)



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Parcel Boundaries  
Assessment Database (DB10-05.dbf)  
Parcel Database (SnyderParcels.mdb)  
Structures

### ***Reported Data***

Data was also reported for several items in the county to serve as a cross-reference for HAZUS and Pennsylvania State Data Center information used in the model. Reported data was prepared for use with the Geographic Information System by creating a tabular database with reference fields for the final geocoding process. The reference fields included both standardized address and latitude and longitude input data for the geocoding process. The following list describes the critical infrastructure data that was reported and geocoded for Snyder County:

Hospitals  
Long Term Care Facilities  
Police Department Facilities  
SARA Facilities  
Dams