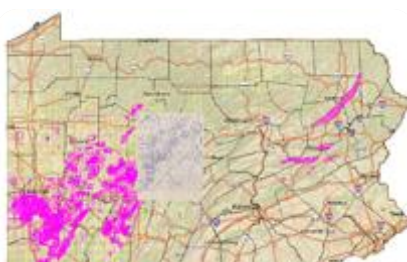




PENNSYLVANIA SPATIAL DATA ACCESS

The Pennsylvania Geospatial Data Clearinghouse

The Pennsylvania Geospatial Data Clearinghouse



Pennsylvania Spatial Data Access (PASDA) 2013-2014 Annual Report

July 1, 2013-June 30, 2014

Submitted

by

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The Pennsylvania State University

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OVERVIEW

Pennsylvania Spatial Data Access (PASDA—<http://www.pasda.psu.edu>), the official public geospatial data clearinghouse for the Commonwealth of Pennsylvania marked its 18th year in 2014. PASDA, which has grown from a small website offering 35 data sets in 1996 to the expansive user-centered data clearinghouse that it is today, has become a staple of the GIS community in Pennsylvania. PASDA provides access to thousands of data files, terabytes of data, and hundreds of Internet Map Services, Google Earth KML files, metadata, mapping applications, and other information like guides and tutorials.

Users come from a broad spectrum of organizations and backgrounds, from teachers and citizens to businesses and government agencies--PASDA provides free access to data, applications, and customization tools to meet the needs of every user. PASDA saw a dramatic increase of use in almost every sector driven in part by factors such as Marcellus Shale exploration, environmental conservation, economic development initiatives, expanded use of geospatial data in universities, non profits, and the private sector, and the increased interest from average citizens who are able to access geospatial information via PASDA's data previewer and KML files without the need for specialized GIS software.

ABOUT PASDA

PASDA was developed by the Pennsylvania State University as a service to the citizens, governments, and businesses of the Commonwealth. PASDA is a cooperative project of the Governor's Office of Administration, Office for Information Technology, Geospatial Technologies Office and Penn State Institutes for Energy and the Environment of the Pennsylvania State University. Funding is provided by the Pennsylvania Office for Information Technology, Geospatial Technologies Office. The Pennsylvania State University provides additional substantial support to PASDA for system administration, database technologies administration, and infrastructure. The High Performance Computing Center at Penn State is also providing significant resources and support for PASDA.. PASDA is housed at Penn State Institutes of Energy and the Environment (PSIEE). The PASDA staff include:

- Maurie Kelly, Director
- Ryan Baxter, Information Technology Coordinator
- James Spayd, Database Systems and Data Specialist
- Scott Dane, Data Manager

Note: In addition, the PASDA staff would like to gratefully acknowledge the continued assistance and support of the Penn State High Performance Computing Center and the Earth and Environmental Engineering Institute which provide additional storage and administration support.

The Purpose of PASDA

The purpose of Pennsylvania Spatial Data Access (PASDA) is to serve as a comprehensive geospatial data digital library by providing free, universal access to geospatial data and information by, for, and about the Commonwealth of Pennsylvania. PASDA has served for the past sixteen years as the Commonwealth's node on the National Spatial Data Infrastructure (NSDI), Geospatial One Stop, and the National Biological Information Infrastructure.

The Keystones of PASDA

The success of PASDA is based on a long-term vision that incorporates the ideas of free access to data, outreach, and community service. The Keystones of PASDA are:

- Collaboration--PASDA understands that collaboration among the geospatial community benefits everyone in the Commonwealth. Collaboration saves money, time, and makes the most of the limited resources of data providers.
- Cooperation--PASDA cooperates with all levels of government, non-profits, academia, business, and citizens to support the geospatial data infrastructure and access to data.
- Continuity--PASDA works with data providers to ensure continuity of data access and storage.
- Active engagement--PASDA engages the geospatial community to foster understanding and data sharing.
- Efficiency--PASDA's streamlined processes make data sharing fast and easy for our partners.
- Free Access--PASDA provides data storage, data access and retrieval, and metadata services free of charge.
- PASDA will continue to provide free storage of geospatial data, as well as build partnerships that enhance ease of access and benefit the data provider, and to develop data access resources and innovative tools to enhance the use and benefits of geospatial data for all citizens of the Commonwealth and geospatial community.
- The data made available through PASDA is provided by our data partners to encourage the widespread sharing of geospatial data, eliminate the creation of redundant data sets, and to further build an inventory (through the development and hosting of metadata) of available data relevant to the Commonwealth. PASDA serves as a resource for locating data throughout the Commonwealth through its data storage, interactive mapping/webgis applications, and metadata/documentation efforts

PASDA Services

- The data made available through PASDA is provided by our data partners to encourage the widespread sharing of geospatial data, eliminate the creation of redundant data sets, and to further build an inventory (through the development and hosting of metadata) of available data relevant to the Commonwealth. PASDA serves as a resource for locating data throughout the Commonwealth through its data storage, interactive mapping/webgis applications, and metadata/documentation efforts. PASDA services are provided free of

charge to all users and data providers. The data on PASDA is provided by federal, state, local and regional government agencies, non-profit organizations, and academic institutions throughout the region.

- **Data Storage and Access**--PASDA works directly with state and federal agencies, local and regional governments, non-profit organizations, and academic institutions to access to the widest variety of data possible. There is no fee to store or provide access to data via the PASDA clearinghouse.
- **Inventory and Documentation (Metadata)**--PASDA will create FGDC standard metadata free of charge for any agency, organization, or data stakeholder. The metadata will also be hosted by PASDA for the purposes of developing the state data inventory.
- **Data Liaison Activities**--PASDA staff work directly with state agencies to identify, document, and provide access to agency data. PASDA works directly with state and federal agencies, local and regional governments, non-profit organizations, and academic institutions to access to the widest
- **Metadata Training**--PASDA staff provide free metadata training and training in the use of PASDA for individual organizations and groups. PASDA offers formal training twice a year at different locations throughout the Commonwealth. If you would like to participate in or host a metadata or PASDA training session, please contact pasda@psu.edu.
- **Educational Outreach**--PASDA works with non-profit organizations such as watershed groups and K-12 schools to promote the knowledge and use of GIS. PASDA develops lessons, tutorials, and guidelines for new GIS users.
- **Presentations & Seminars**--PASDA staff offer seminars and presentations at meetings, conferences, and schools.
- **User Assistance**--PASDA is committed to providing timely user assistance with the PASDA website and the data available through PASDA.

Data & Metadata

In the past year, PASDA has received numerous new and updated datasets and metadata. A more detailed listing is included in the detailed description of activities below but the following represents a quick overview of data.

- Data updates to existing datasets come to PASDA at different intervals and are based on the update frequency of our data partners. Monthly, quarterly, and annual updates are the norm and include PennDOT, PA Department of Environmental Protection, PA Fish and Boat Commission, PA Department of Health, PA Department of Conservation and Natural Resources, Chester County, Allegheny County, Lancaster County, City of Philadelphia, Southeast PA Transportation Authority, Delaware Valley Regional Planning Commission, PA DCNR Rivers Conservation Program, and the Natural Lands Trust.

FY 2013/2014 HIGHLIGHTS

The use of PASDA has continually increased over its history. In the past year, almost **2 million** files were downloaded from the PASDA FTP site; while usage on the entire site topped 71 million hits, over 28 million page views, and over 1 million unique visitors. The PASDA web

servers, which provide access to Internet Map Services and PASDA applications like the Imagery Navigator and PA Atlas supported over **57 million** map views. The statistics this year demonstrate more than any other that there is a wide range of data that is of great interest to the user community. Data (and map services created from data) from our partners at the PA Department of Environmental Protection, PennDOT, PA Department of Conservation and Natural Resources, Allegheny County, the DCNR PAMAP Program, the Delaware Valley Regional Planning Commission, and the City of Philadelphia received phenomenal use—**with map service views and data downloads in the millions or hundreds of thousands.** In addition, PASDA has created highly significant applications and services that dramatically increase the value of the data available. The Imagery Navigator supported almost **6.3 million** views and the Aerial Photo Cache, created and deployed by PASDA in November 2010 supported **almost 22.4 million** views.

Substantial initiatives in the past year involved the enhancement of the PA Mine Map Atlas which is now integrated with the Pennsylvania Historic Underground Mine Map Inventory System (PHUMMIS) hosted by DEP and provides access to almost 20,000 mine map images. This project is expected to eventually provide access to over 100,000 mine maps. PASDA also created a new mine maps tutorial, access assistance, and update the About Mine Maps section of the PA Mine Map Atlas. PASDA also is preparing to move toward the latest version of ArcGIS Server which required a substantial effort to prepare for the migration including data movement and backup of applications. In addition, PASDA created and delivered metadata training for PennDOT staff to support their development and participation in PennShare.

In November PASDA also had a major equipment move at the HPC. We performed a back up of MXD files and geodatabases on High Performance Computing servers. In addition, MXD and geodatabases were backed up due to the servers at HPC being moved to a new location in the building. We also have found the need to replace several failed drives and batteries this year. At the end of the year we began discussions with PSU EMS (EESI) about moving our web servers to VM and also acquiring new hardware for our older storage servers. Another key initiative was to meeting with IT directors regarding high speed/bandwidth connectivity. We have requested to be a node on this new line at PSU. We are slated to be in the second tier of additions to the high speed line which will occur in November or December of 2014.

In April and May of 2014, PASDA developed updated code to PA Imagery Navigator results pop up window. New collections of data have made this window difficult to understand and use. The final result was the data is organized by year and location versus provider. Testing for this took place in May, including user input gathered at the PAGIS conference and via email, and implementation in June 2014.

Finally, PASDA has continued to give back to the GIS community. As in past years, PASDA staff have participated in numerous meetings including PA GIS Day planning meetings, the PA GIS conference planning meetings (for both of which PASDA developed sessions, obtained speakers, and also presented), PAVIEW meetings, and the Northwest PA GIS conference. PASDA did two additional formal presentations this year in the Pittsburgh area for the Western PA URISA organization and the Headwaters Resource Committee, Carnegie Mellon. PASDA has also provided support and guidance for counties and local governments, regional entities, other states.

DATA & METADATA

The following is a listing of some of the data PASDA has received in the past year. Most of the data received involves multiple datasets and at times hundreds of files (imagery, lidar, dems, topos).

Note: When data is received by PASDA, metadata is either created for the data or updated to reflect date and distribution (only for existing data sets), data is loaded to FTP site, geodatabases are created, map services and KML files are created for the data. Records are added or updated in the PASDA search database (supports data search on website). Imagery, LIDAR, Topographic maps, DEMs are also added to Imagery Navigator search interface. Statewide data are integrated into the PA Atlas.

July 2013

- Allegheny County Parcels, street centerlines and address points, building footprints.
- DEP Data Update: AML points, AML polys, AML sites, Air Emission Plants, Beneficial Land Uses, Captive Hazardous Waste Operations, Coal Mining Operations, Coal Pillar Location Mining, Coal Pillar Location Oil and Gas, Commercial Hazardous Waste Operations, Encroachment Location, Encroachment Locations Oil Gas, Erosion and Sediment Control Facilities, Industrial Mineral Mining Operations, Integrated List Attaining, Mine Drain Treat Land Recycling Project Locations, Municipal Waste Operations, Oil Gas Locations, Oil Gas Water Pollution Control Facilities, Radiation Facilities, Residual Waste Operations, Storage Tank Locations, Total Maximum Daily Load, Total Maximum Daily Load Lakes, Unpaved Roads, Water Pollution Control Facilities, Water Resources, Conservation Wells, Conservation Wells Plugged, Stormwater 167, Mined Out Areas, Longwall Mining Panels, Underground Mining Permit, Public Water Supplier's (PWS) Service Areas, Water Management Plans (WMP) - Marcellus Shale
- Data update from Lancaster county: municipal boundaries, road centerlines and types, urban and village growth boundary polygons
- Updated PennDOT data: Pennsylvania Transportation Planning Organizations (MPO-RPO)
- Updated Dirt and Gravel Roads Data
- Class A Streams, Class A Streams point, Trout Natural Reproduction
- New PA Mine Map data: Updated Index Shapefile, 63 new Abandoned Mines folders containing: 240 Archive Tiffs, 169 Georeferenced Sids, 71 Ungeoref'd Sids, 3 new Active Mine folders and updates for 34 Active Mines folders containing: 160 Archive Tiffs, 148 new Georeferenced Sids, 160 Ungeoref'd Sids

August 2013

- Allegheny County Parcels, street centerlines and address points, building footprints, tree canopy.
- Updated SEPTA data: SEPTA Routes Fall 2013, SEPTA Stops by Line Fall 2013
- DEP Data Update: Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits, Chapter 93 Existing and Designated Use layers
- Updated DCNR data: State Park Boundaries, ExplorePAtrails trails and points, State Forest Lands, Pa Wild and Natural Areas, and Forest District Boundaries

- New PA Mine Map data: 3 New Active Longwall Mine Files containing 854 Archive TIFFs, 854 Ungeoreferenced SIDs, 166 Georeferenced SIDs, and an updated Index shapefile with 166 new records
- Tana data update

September 2013

- Allegheny County Parcels, street centerlines and address points, building footprints, tree canopy.
- DEP Data Update: Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits, Chapter 93 Existing and Designated Use layers, Stormwater 167
- New PA Mine Map data: Updated Index Shapefile (dated 8/30/2013), 28 new Abandoned Mines folders containing: 567 Archive Tiffs, 507 Georeferenced Sids, 58 Ungeoreferenced Sids., 1 new Active Mine folder containing: 329 Archive Tiffs, 72 Georeferenced Sids, 329 Ungeoreferenced Sids., Altoona Coal Collection folder containing: 8 Archive Tiffs, 8 Georeferenced Sids, Pristine Resources Collection folder containing: 1089 Archive Tiffs, 926 Ungeoreferenced Sids.
- Updated Data from Allegheny County: 2010 imagery. This imagery follows the PAMAP tile scheme.

October 2013

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: AML points, AML polys, AML sites, Air Emission Plants, Beneficial Land Uses, Captive Hazardous Waste Operations, Coal Mining Operations, Coal Pillar Location Mining, Coal Pillar Location Oil and Gas, Commercial Hazardous Waste Operations, Encroachment Location, Encroachment Locations Oil Gas, Erosion and Sediment Control Facilities, Industrial Mineral Mining Operations, Integrated List Attaining, Mine Drain Treat Land Recycling Project Locations, Municipal Waste Operations, Oil Gas Locations, Oil Gas Water Pollution Control Facilities, Radiation Facilities, Residual Waste Operations, Storage Tank Locations, Total Maximum Daily Load, Total Maximum Daily Load Lakes, Unpaved Roads, Water Pollution Control Facilities, Water Resources, Conservation Wells, Conservation Wells Plugged, Stormwater 167, Mined Out Areas, Longwall Mining Panels, Underground Mining Permit, Public Water Supplier's (PWS) Service Areas, Water Management Plans (WMP) - Marcellus Shale
- Updated Data Sets from DEP mining: Updated Index Shapefile (dated 10/7/2013), 4 new Abandoned Mines folders containing: 124 Archive Tiffs, 122 Georeferenced Sids, 111 Ungeoreferenced Sids, Updates for 23 Active Mine folder containing: 92 new Archive Tiffs and 92 Ungeoreferenced Sids, and 86 new Georeferenced Sids plus existing Georeferenced Sids in the Most_Recent sub-folders, 5 Missing maps from the N-2-G OSMA Folios folder containing: 5 Archive Tiffs, 5 Ungeoreferenced Sids.
- Philadelphia: Land Use
- Updated Data from the NGA: Wilkes Barre Scranton, Harrisburg, Allegheny imagery

November 2013

- Allegheny County Parcels, street centerlines and address points, building footprints.

- Updated Data Sets from DEP: Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits. These are the latest datasets for DEP monthly data.
- Updated Data Sets from DEP mining: 6 new Abandoned Mines folders containing: 112 Archive Tiffs, 109 Georeferenced Sids, and 3 Ungeoreferenced Sids; Matheis MineFolder containing--112 Archive Tiffs, 56 Ungeoreferenced Sids, and 56 Georeferenced Sids; replacement file for 2068_Mathies.
- Data Update from the PA Fish and Boat Commission. The data is WCODistricts, Class Streams line and pointNatural Trout Reproduction. This is updated data for existing datasets on PASDA.

December 2013

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits. These are the latest datasets for DEP monthly data.
- Data Update from the PA Fish and Boat Commission. The data is Watertrails. This is updated data for existing datasets on PASDA.
- Performed data inventory on DEP mine maps. New methodology for updating FTP site allows us to more precisely track number of maps. Currently there should be 19,629 tiffs, 19,453 sids, and 2 index shapefiles available download on the ftp, and 39,084 zipped files under Map_Repository.
- Updated FEMA DFIRM data (NFHL) including all counties and new Northumberland.

January 2014

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: AML points, AML polys, AML sites, Air Emission Plants, Beneficial Land Uses, Captive Hazardous Waste Operations, Coal Mining Operations, Coal Pillar Location Mining, Coal Pillar Location Oil and Gas, Commercial Hazardous Waste Operations, Encroachment Location, Encroachment Locations Oil Gas, Erosion and Sediment Control Facilities, Industrial Mineral Mining Operations, Integrated List Attaining, Mine Drain Treat Land Recycling Project Locations, Municipal Waste Operations, Oil Gas Locations, Oil Gas Water Pollution Control Facilities, Radiation Facilities, Residual Waste Operations, Storage Tank Locations, Total Maximum Daily Load, Total Maximum Daily Load Lakes, Unpaved Roads, Water Pollution Control Facilities, Water Resources, Conservation Wells, Conservation Wells Plugged, Stormwater 167, Mined Out Areas, Longwall Mining Panels, Underground Mining Permit, Public Water Supplier's (PWS) Service Areas, Water Management Plans (WMP) - Marcellus Shale
- Data Update from the PA Fish and Boat Commission: Accesses, Approved_Trout_Waterbodies, Approved_Trout_Waterbodies_pt, Approved_Trout_Waters, ClassA_Streams, Fishing_SpecReg_Lakes, Fishing_SpecReg_Lakes_Point, Fishing_SpecReg_Streams, Lakes_PFBCDatabase, Lakes_Point, Trout_NaturalReproduction, Wilderness_Trout_Streams, WWCW_Fisheries_Lakes, WWCW_Fisheries_Lakes_Pt, WWCW_Fisheries_Streams
- Updated data from the PA DEP California Mine Office. This is an update to an existing data sets. Data includes:
 - 1) Updated Index Shapefile (dated 1/14/2014).

- 2) DEP_California Abandoned Mines: 10 new mine folders containing: 208 Archive Tiffs, 205 Georeferenced Sids, 2 Ungeoreferenced Sids.
- 3) DEP_California Active Mines: Updates for 12 mine folder containing: 51 new Archive Tiffs and 51 Ungeoreferenced Sids, and 51 new Georeferenced Sids plus existing Georeferenced Sids in the Most_Recent sub-folders.
- 4) DEP_WilkesBarre: Maps starting to come in for this office, starting with 1478 Archive Tiffs and 1467 Ungeoreferenced Sids.
- 5) CONSOL_Hardbacks: 701 Archive Tiffs, 364 Ungeoreferenced Sids, and 1 new Georeferenced Sid.

The second one (Labeled Western Digital 3 that contains the following:

- 1) DEP_Pottsville: Maps starting to come in for this office, starting with 231 Archive Tiffs and 231 Ungeoreferenced Sids.
 - 2) DEP_NewStanton: Maps starting to come in for this office, starting with 474 Archive Tiffs and 473 Ungeoreferenced Sids.
- Updated data from Lancaster County. This is an update to an existing data sets municipal boundaries, road centerlines and types, urban and village growth boundary polygons.

February 2014

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: Updated data from DEP. Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits, attaining lakes, non attaining lakes. This data is the monthly update of data from DEP and will update data on PASDA.
- Updated data from PennDOT—annual refresh of data. Administrative districts, mile markers, state roads, traffic counts, exits, local roads, MPO/RPO planning organizations, county boundaries, municipal boundaries, state boundary, engineering districts, congressional legislative districts, school districts.
- Updated data from the PA Fish and Boat Commission. This is an update to an existing data set Trout Stocked Streams.

March 2014

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: Updated data from DEP. Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits, attaining lakes, non attaining lakes. This data is the monthly update of data from DEP and will update data on PASDA.
- Updated data from PennDOT—annual refresh of data. Administrative districts, mile markers, state roads, traffic counts, exits, local roads, MPO/RPO planning organizations, county boundaries, municipal boundaries, state boundary, engineering districts, congressional legislative districts, school districts.
- Updated data from the PA Fish and Boat Commission. This is an update to an existing data set Trout Stocked Streams.

- Updated data from the USDA NAIP Collection. This is updated data for the NAIP collection. Data includes: 2013 NAIP 1 meter SID county mosaics for Pennsylvania.
- Updated data from the PA DCNR PAMAP Program: 2010-2011 Imagery--1786 images delivered by Spatial Energy. The data covers the six-county area of Clearfield, Elk, Cameron, McKean, Potter, and Tioga. Resolution is one half meter.
- Updated data from Lancaster County: Buildings, Drives, Hydroarcs, Hydropoly, Land Use Land Cover, Municipal Boundary, Parking Lots, road centerlines and types, Road Edge arc, Road Edge Poly, Urban Growth Area – Polygon
- Updated data from the PA DEP California Mine Office. Data includes: Updated Index Shapefile , DEP_California/Abandoned Mines: 12 new mine folders containing: 320 Archive Tiffs, 298 Georeferenced Sids, 14 Ungeoreferenced Sids, DEP_California/ Active Mines: Updates for 18 mine folders containing: 69 Archive Tiffs and 69 Ungeoreferenced Sids, and 67 new Georeferenced Sids plus existing Georeferenced Sids in the Most_Recent sub-folders, DEP_WilkesBarre: 518 Archive Tiffs and 516 Ungeoreferenced Sids, DEP_Pottsville: 510 Archive Tiffs and 510 Ungeoreferenced Sids, Missing OSM Anthracite Folios: 5 Archive Tiffs and 7 Ungeoreferenced Sids.

April 2014

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: This is an update to an existing data sets: AML points, AML polys, AML sites, Air Emission Plants, Beneficial Land Uses, Captive Hazardous Waste Operations, Coal Mining Operations, Coal Pillar Location Mining, Coal Pillar Location Oil and Gas, Commercial Hazardous Waste Operations, Encroachment Location, Encroachment Locations Oil Gas, Erosion and Sediment Control Facilities, Industrial Mineral Mining Operations, Integrated List Attaining, Mine Drain Treat Land Recycling Project Locations, Municipal Waste Operations, Oil Gas Locations, Oil Gas Water Pollution Control Facilities, Radiation Facilities, Residual Waste Operations, Storage Tank Locations, Total Maximum Daily Load, Total Maximum Daily Load Lakes, Unpaved Roads, Water Pollution Control Facilities, Water Resources, Conservation Wells, Conservation Wells Plugged, Stormwater 167, Mined Out Areas, Longwall Mining Panels, Underground Mining Permit, Public Water Supplier's (PWS) Service Areas, Water Management Plans (WMP) - Marcellus Shale This data is the monthly update of data from DEP and will update data on PASDA.
- Updated data from the PA DEP California Mine Office. Data includes: Updated Index Shapefile, DEP_California Active Mines: Updates for 16 mine folders: 67 Archive Tiffs, 67 Ungeoreferenced Sids, and 67 new Georeferenced Sids (plus existing georeferenced sids in the Most_Recent sub-folder), Rochester & Pittsburgh Coal Company Collection: 284 Archive Tiffs, 284 Ungeoreferenced Sids, and 270 Georeferenced Sids, DEP_Cambria: 389 Archive Tiffs, 389 Ungeoreferenced Sids, and 294 Georeferenced Sids, DCNR_Penfield: 1812 Archive Tiffs, 1812 Ungeoreferenced Sids, and 114 Georeferenced Sids, DEP_Pottsville: 282 Archive Tiffs, 273 Ungeoreferenced Sids, and 10 Georeferenced Sids, DEP_WilkesBarre: 1854 Archive Tiffs, 1853 Ungeoreferenced Sids, and 266 Georeferenced Sids.

May 2014

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits, attaining lakes, non attaining lakes. This data is the monthly update of data from DEP and will update data on PASDA.
- Updated data from Penn State University: imagery, buildings, boundaries, roads, imagery tile index, land use, paved areas, parking. Penn
- Updated data from the PA DEP California Mine Office. Data includes: DEP_Pottsville: 1052 Archive Tiffs and 1052 Ungeoreferenced Sids, DEP_WilkesBarre: 963 Archive Tiffs, 693 Ungeoreferenced Sids, and 300 Georeferenced Sids, Updated Index Shapefile (dated 5/5/2014).Updated Index Shapefile

June 2014

- Allegheny County Parcels, street centerlines and address points, building footprints.
- Updated Data Sets from DEP: Oil and Gas wells, Oil and Gas wells conventional and unconventional, Longwall mining, Mined Out Areas, Underground mining permits, attaining lakes, non attaining lakes. This data is the monthly update of data from DEP and will update data on PASDA.

MEETINGS/OUTREACH/OTHER

PASDA staff participated in weekly meetings with GTO, conference calls for state events, and staff meetings and special outreach events. These included:

- Weekly status meetings with GTO
- Weekly CMR meetings with GTO
- Weekly PASDA staff meetings
- Monthly meetings with system administration staff including HPC and EMS
- Monthly conference calls for the GIS conference
- Monthly conference calls for GIS Day
- Presented and exhibited at Pennsylvania GIS Day
- Exhibited at the PA GIS Conference
- Exhibited and presented at the Northwest PA GIS Conference
- Monthly WebEx Library of Congress/FGDC Geospatial Data Preservation Group
- Presentation for the Western PA URISA Association
- Presentation for Headwaters Committee
- Created tutorials and presentation for PennDOT metadata training
- Held training at PennDOT on ESRI ArcGIS 10.1 metadata tool
- SCTF GIS Working Group Webinar (NGA Imagery)
- PA Mine Map project conference call
- Presentation to PSU IT directors
- Meeting with PSU vice president for research and strategic initiatives. Presented info about PASDA and discussed needs for our group for the next generation of computing and support required for the ongoing effort.
- Call with GIS office Philadelphia

- Worked with Jim Querry to set up keynote luncheon speech for PA GIS conference
- Call with Marcellus/Shell oil Company and DEP regarding oil and gas viewer development.
- Sent statistics reports to Allegheny County, Philadelphia, DCNR, DEP, PennDOT, PA Fish and Boat in January (for calendar year) and July for fiscal year.
- Contacted PAMAP program about release of purchased imagery. Imagery was purchased in 2012 and should be available for public release via PASDA. PAMAP provided the data to PASDA in February.
- Contacted ESRI about ArcGIS online instance for PASDA. Had webex in March to discuss.
- FGDC/LOC special webinar from USGS on GeoPDF format for new data.
- GPO webinar on atmospheric/oceanographic data access.

USER SUPPORT & ASSISTANCE

Assistance Provided to the Following (some examples): Lancaster County, Villanova University, City of Philadelphia, University of North Carolina, FEMA Region III, Concord House Real Estate, Airsage Inc, National Aviary, University of Vermont, Georgia Institute of Technology, PennDOT, GL Group, JBV Coaching, Kleindorfer/Omni, Standing Stone Consulting, Michael Baker, National Weather Service, Susquehanna River Basin Commission, AMEC, Hull Alternative Energy, Community Action Lehigh, Nicholas Engineering, Gorshan Real Estate, Philadelphia University, DigoiaGray Inc, Chevron North America, Drumlin Environmental, Police Fire Testing inc, Hull, Sphere Box, SE Technologies, PA DCNR, Allegheny County, SEPTA, Warren Wilson University, Gettysburg College, Hampton Technical Associates, Spherebox, Pepling Surveyor, Bradford County, Montgomery County, Clarion University, Advanced Disposal, USA Land Services, PA DEP Bureau of Mining, Dawood Engineering, NOAA, West Virginia University, Blue Rock Inc, Bayes and Associates, Washington Rochenbeau historic trail committee, PennDOT, University of Pennsylvania School of Design, Michael Baker Inc, NOAA National Weather Service, Hunterdon Land Trust, GL Group, Manko/Gold/Katcher/Fox LLC, Columbia University, US Army Corps of Engineers Baltimore District, Eastern University, NOAA Coastal Services Center, SSM Group Inc, DDS Company, Allegheny County, University of Rhode Island, DEP California Mining Office, BL Companies, WPSU, Lancaster County, Cimmarron Field Services, William Penn Foundation, Open Space Initiative, Delaware River Basin Commission, Chesapeake Bay Program, Cimmarron Field Services, Inc, URS Corporation, Rutgers University, Allegheny County, University of Rhode Island, Aria Health, PA DEP, City of Philadelphia Office of Innovation, Mellott Engineering, Yale School of Forestry, Alpha Natural Resources, Penn State Public Media, University of Pennsylvania School of Design, Susquehanna River Basin Commission, Range Resources, Centre County, McTish, Kunkle, & Assoc, Johnston & Assoc, PA Horticultural Society, William Penn Foundation, Keystone Consulting, AWK Consulting Engineers, Thomas Engineering Company, Red Barn Consulting, AeroMetric, University of Pittsburgh, Environmental Data Resources, Ted Oman Associates, DEP Geospatial Center, PennDOT office of Planning, PennDOT District 4, Cornell University, Williams Midstream, Stiffler McGraw, Booz, Allen, & Hamilton, Kleinfelter Assoc., NRCS, City of Philadelphia, AECOM, DEP Uniontown Office, National Weather Service (TX), Bonefish Trust, CH2M Hill, SSM Group, RG Associates, WHM Consulting, Temple University, Indiana University of PA, Sweetland Engineering, Mining and Environmental Engineers, EADS Group, Middlebury College, Earth Res Group, TAB Online, Tetra Tech, Goeling Info Consulting, Yale School of Forestry, Allegheny County, DCNR,): Virginia Tech, Berks

County, Chester County, Center for Conservation Finance Research, UGI Utilities, Earth Res Group, Geisinger Medical Center, HDR Engineering, Juniata College, Sweetland Engineering, TAB Online, DEP California Office, DEP (Harrisburg), Mid Penn Engineering, Delaware River Basin Commission, PennDOT, UniTec Consulting, Site and Storm Inc, Pennsylvania General Energy Company, Eastern Industries, Schlosser & Clauss Consulting Engineers, Inc., Department of Marine, Earth & Atmospheric Sciences, North Carolina State University, Advanced Geosciences, Corelogic, WD Mohoney Assoc, PA Game Commission, Sustainable Solutions LLC, Mining & Environmental Engineers, Grafton Development LLC, Rettew Assoc, Delaware Valley Regional Planning Commission, Oman Associates, Civil and Environmental Consultants, Tioga Environmental Consulting, US Army Corps of Engineers, SAIC Inc, URS Corp, PA DEP, Penns Valley High School, Rochester Institute of Technology, Lancaster County, Duquesne Light, Shell Energy, Southwestern Energy, Allegheny County, Delaware River Basin Commission, Fish and Boat Commission, US Fish and Wildlife Service (PA), DEP Bureau of Mining Harrisburg, Harrisburg Area Community College, Seaside Realty, DEP Bureau of Oil and Gas, BAI Group, Bowman Survey Associates, Philadelphia University, HACC, Penn E&R, DEP Oil and Gas Mgmt Northwest Office, Kleinfelder Assoc, Traffic Planning and Design Inc, Hatch Mott Inc, US Department of Agriculture/NRCS Binghamton, Wisconsin Geological and Natural History Survey, Town and Country Press Inc, Civil Solutions, Williams Associates, Bucknell University, Natural Lands Trust, Shell Corporation, Advanced Geo Services, State Police/Radio Network, Lancaster County, Common Ground, WadeTrim, DEP Uniontown, Shippensburg University, Natural Lands Trust, PPL Electric, PA Sea Grant, Reading Eagle, URS Corp, HACC, Rochester Institute of Technology, Antioch University, City of Philadelphia, Michael Baker Inc., USGS New Cumberland, Right Angle Engineering, Westmoreland County Department of Planning, Kleinfelder Inc., SEDA COG, EPACMR, Advanced Geoservices, Allegheny County, Millersville University, Susquehanna River Basin Commission, Bowman Surveying, Advantage Engineers, EPCAMR, Lambert Surveying, PA State Police Radio Network, Town and Country Press, Pennsylvania General Energy, FEMA Region 3, The Pelsa Company, Range Resources, Chevron, Churchill Navigation, SEDA COG, Pennsylvania Sea Grant, Carnegie Mellon University, GeoTech Engineering, University of Pittsburgh, Pfaffmann Engineering, Holland Services, Gettysburg College, Advanced GeoServices, Shell Corporation, TetraTech, Greene County, Dieffenbach and Hirtz Engineers, EQT Inc, Delaware Water Gap Recreational Area, Shaw Environmental and Infrastructure, Natural Resources Conservation Service, Hatt/Motch/McDonald, Lancaster County, Wilkinson & Associates, Environmental Data Resources, Susquehanna River Basin Commission, Town and Country Press, Pennsylvania General Energy, FEMA Region 3, The Pelsa Company, Range Resources, Chevron, Churchill Navigation, SEDA COG, Pennsylvania Sea Grant, Carnegie Mellon University, GeoTech Engineering, University of Pittsburgh, Pfaffmann Engineering, Holland Services, Gettysburg College, Advanced GeoServices, Shell Corporation, TetraTech, Greene County, Dieffenbach and Hirtz Engineers, EQT Inc, Delaware Water Gap Recreational Area, Shaw Environmental and Infrastructure, Natural Resources Conservation Service, Hatt/Motch/McDonald, Lancaster County, Wilkinson & Associates, Environmental Data Resources, Susquehanna River Basin Commission, Steinbrenner Institute Carnegie Mellon, Pennoni Associates, Tioga Environmental Consulting, Chester Valley Engineers, HACC, Juniata College, Riverbend Oil, Philadelphia University, NAI Commercial Partners, US Army National Guard, Bowling Green State University, STV Inc, Dewberry, Carnegie Mellon Headwaters Resource Committee, Pennsylvania General Energy Company, Precision Laser and Instrument Inc, Fishel Surveying and Engineering, USGS, Shelley and Witter Inc, Natural Lands Trust, Navarro and Wright Consulting, US Army Corps of Engineers, US Allegheny National Forest, AEC

Solutions Group, Mifflin County, Allegheny County, Fourth Economy Consulting, Lancaster County, HACC, DEP Wilkes Barre Office, DC Army National Guard, Dewberry, PA DCNR, Mifflin County, The Piddock Company, HDR Inc, Digital and Data/GOP.com, FEMA, DRBC, Susquehanna University, Jay Parrish/PSU/Parrish Consulting, Lancaster County, The Thrasher Group, Pollinator Network, Westmoreland county, Coalview, Carnegie Museum, Market Planning Solutions, Hartmann Associates. Azavea, City of Philadelphia Office of the Deputy CIO, CoreLogic, Allegheny County, URS Corporation, Consulting Land Surveying, Allegheny College, Paloma Resources LLC, McMillen Engineering, ECS Grid Inc., Skelly and Loy, Arrowpointe Inc, Marcellus Shale Coalition, The Thrasher Group, Langan Engineers.
