

LWG Meeting Notes
March 5, 2020
USGS PA Water Science Center
New Cumberland PA

Participants: Howard Hodder, Joe Petroski, Scott Dane, Marcie Dunn, Eliza Gross, Matt Mercurio (remote), Gale Blackmer, Eric Jespersen, Steve Kocsis (remote), Seth Kerr (remote), Jeanne Hickey (remote), Andrew Brenner (remote), Roger Barlow (remote), Curtis Schreffler, Jeff Chaplin, Eliza Gross, Brandon Smith, Lee Brancheau (remote)

Introductions and Member Updates

The meeting started with a welcome by the PA Water Science Center. They announced a May 7, 2020 Open House and introduced senior staff.

Scott Dane announced that Penn Pilot has published 1950's era aerial photos, completing accession of all available photo series. He also reported that the 1792 QL1 tiles for Luzerne County and 19 tiles of 1 m DEM are now available through PASDA.

Brandon Smith mentioned the "DCED Land Use Report" and ongoing production of a draft report on autonomous vehicle trends and info.

Marcie Dunn and Jeanne Hickey mentioned that potential for creation of a hydroenforced DEM remains positive; we met prior to the LWG to identify priority watersheds for each fed partner.

Gale Blackmer reported she is AASG rep on the 3DEP Working Group, that 35% of remaining QL2 needed for lower 48 coverage is for federal land, and that the Lidar Base Specs are to be released at any moment. We jumped ahead in the agenda to discuss QL2 data generally in PA:

- **2018/2019 Acquisitions** – last 5 % was collected in December and work on track for May 1 delivery (*later delayed due to COVID19 lockdown; no new due date established*)
- **2019/2020 Acquisition** was about 45% complete at the time of the meeting (*reported later in March that the acquisition is 100% complete*)

NextMAP imagery acquired by DVRPC for SE PA metro area may have a 3D component similar to Pictometry. That led to a short discussion on the need for lidar update in that region after this year's lidar collection is complete; the current QL2 data was acquired in 2014-15.

___ mentioned that NAIP/Lidar simultaneous collection trial (leaf-on) is underway – Colorado (?).

The New Jersey Geospatial Forum has a 3D data use survey in process. Mentioned that we might want to mimic that as we study future topo needs for PA; link sent to Scott Drzyzga of Shippensburg U. since he will study needs and trends in a Fall 2020 sabbatical project. Results published later at:

https://njgin.state.nj.us/oit/gis/NJ_NJGINExplorer/docs/NJGF_Elevation_Data_Questionnaire_Results.pdf

Technical Presentation *PASDA's New LiDAR Navigator and Download Application* - Demo and Call for Testers. Call Scott Dane for current status and comments.

Application Networks Reports

- Hydro team announced successful workshops were held in all three major river basins late January/early February. About 100 participants total, and leadership roles for PaMAGIC, Bureau of Geological Survey and USGS NGP at all three workshops. Hydro team meets monthly, hosted by Allegheny County Conservation District. Use the network info page at the PA Lidar Working Group site to join in.
- Vegetation Team leader Joe Petroski mentioned that there is *hyperspectral data, leaf-on, 30 pt/sq. meter* to be collected on a PSU research forest in Huntington County. Joe also stated that there is new flowpath data (not elevation derived) in the DCNR Stream data set for York and Lancaster Counties.
- Jeff Zimmerman created promotional letters for use with LWG membership, PaMAGIC, and PA County GIS Pro mailing lists to promote the Application Networks. There is currently little to no activity in the Surfaces/Topography, Structures/Infrastructure, or Data Management/Pre-processing networks. **Unclear if this promotional outreach has been completed.**
 - Application Networks were really just an idea to enable more people to get involved by making smaller groups where manageable meeting sizes encourage technical exchange and eventually more use of lidar data we have
 - Lee Brancheau stated that we might get more interest in Structures if we added a focus on culverts and drains
 - Steve Kocsis suggested that Structures and Surfaces teams might benefit from focus on Hazard Mitigation **Needs further discussion.**
 - Brandon Smith posed an idea wherein DCED Governor's Center for Local Government Services might be a vehicle for progress on culverts and MS4 inclusion. **Needs further discussion.**

Next Meeting was scheduled for June 4, 2020 at SRBC