

Pennsylvania Mine mapping Initiative

Pa DEP is a large organization with maps of abandoned mines located in 5 geographically separate areas. A plan was developed to enable each DEP office to have adequate equipment and manpower to complete the process of scanning and preserving digital images of these maps.

Program was started with 2 public forums requesting that mine maps be cataloged and copies made for archival purposes. This resulted in numerous maps being made available that were in public and private hands. We still continue to receive calls from individuals or companies wanting to provide copies of mine maps to us.

Recognize the importance of **cataloging** all of the known maps. DEP put together a group to work through the process of combining the individual databases into one combined database. The PHUMMIS is currently in the development stages and should be completed before the end of this year. We are looking forward to hearing what others have done to catalog their mine maps.

Ability to Scan Maps

Plan focused on providing necessary equipment based upon each office's needs.

Computers

- 5 Graphic Workstations
- 4 Wide format scanners 54"
- 1 Flat bed scanner
- 4 1.6 TB IBM Servers
- Plotters or copiers
- Software
- 1 Digital Camera for very large maps

Set up a standards Committee

Developed the MRM standards for scanning maps

Maps too large for the scanners

In the process of developing a partnership with a local university that is setting up a digital lab. DEP will assist in purchasing a high-resolution digital camera in exchange for digital images of maps too large for us to scan.

Since October when the new equipment was purchased:

Scanned 2,562 maps

Received 1,532 maps and cataloged them

Pa Annual Report on Mining Activities

Links actual data to a particular map

25 years available on the web and a site listing all of the locations that annual reports can be found.

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<http://www.dep.state.pa.us/dep/deputate/minres/bmr/historicalminingreports/index.html>