INVESTIGATIONS

Available References

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- OSM 63(1441)101.1: 2005 Control Report for McDonald South, McDonald Borough, Washington Co., PA
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- Portion of Nickle Plate Mine Hard Backs (undated), Pittsburgh Coal Co., (as traced from records at University of Pittsburgh)

Underground Mapping [Nickle Plate Mine], (undated; untitled) (as provided by Aloe Family)

US Dept. of Interior, Office of Surface Mining, (undated), Drill Logs for GH1 [P1] and H2 [P2], (as received 5/16/05)

WPA Project No. 4483, (ca. 1945), Carnegie Sheet #4, Pittsburgh Seam

Current Investigations

The following efforts were conducted within the time constraints of the project: (See Appendix B for drill logs and water monitoring data.)

- compile selected information from data provided by BAMR and OSM from previous investigations,
- install 13 piezometers during drilling program of 27 test holes which were located by BAMR survey crew,
- monitor water levels in the piezometers, drill holes (prior to backfilling), at the "blowout", and at the temporary and permanent Primary and Secondary Drains, (weekday monitoring of piezometers, "blowout", and Primary Drain conducted by BAMR with supplemental monitoring by EIS),
- conduct field tests and collecting and submitting water samples for analyses from piezometers, seeps, and ponds,
- conduct 24-Hour Mine Pool Response Test upon cessation of pumping at the "blowout",
- identify subsidence depressions and other features related to abandoned underground mining activities,
- excavate four test pits to intercept, as feasible, the existing mine pool, and,
- install a temporary gravity drain to intercept the existing mine pool.