



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Active and Abandoned Mine Operations

GRASSFLAT
Abandoned Mine Reclamation
Contract No. OSM 17(6802)101.1

Bureau of Abandoned Mine Reclamation
Rachel Carson State Office Building, 13th Floor
400 Market Street
Harrisburg, PA 17101

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
ACTIVE AND ABANDONED MINE OPERATIONS
BUREAU OF ABANDONED MINE RECLAMATION**

**GRASSFLAT
ABANDONED MINE RECLAMATION PROJECT
CONTRACT NO. OSM 17(6802)101.1**

FACT SHEET

Location: Cooper Township, Clearfield County: The two sites are located in Grassflat, PA on the north and south sides of Cooper Avenue (T-737). Latitude (41° 04' 42.3"), Longitude. (-78° 06' 0.2"), (from eMapPA); Karthus and Black Moshannon Quads.

Official Start Date: December 22, 2012

Contract Completion Date: January 16, 2014

Contractor: Morgan's Excavating, LLC

Property Owners: E.M. Brown, Inc.
Emery and Cynthia Petrof
Ernest and Marlene Nelson

Project Cost: \$661,949.46 (Final), \$783,202.50 (Bid Amount)

Project Area: 54.7 Acres

Purpose: The scope of this project was to eliminate a public health and safety hazard by excavating, backfilling and grading abandoned mine lands.

Description: The mining company is unknown; however best available information indicates that mining last occurred in the 1960s. The two sites are easily accessible via Township and haul roads, and the entire town of Grassflat is located ½ mile southwest. Twenty homes are located within 1,000 feet of the site, and several within 400 feet. ATVs were seen riding above the highwalls and adjacent spoils on several pre-reclamation site visits, and an old railroad bed adjacent to the site is frequented by walkers. A haul road located on a spoil bench above the highwall in one area came as close as two feet from the steeply sloping overburden. There were some spots where there was little vegetation to prevent a vehicle from plunging over the overburden and ultimately the highwall.

The northern site, located north of the intersection of Clearfield Street (T-862) and Cooper-2 Road (T-735), consisted of regrading and re-vegetating a 36-acre abandoned strip-mined area. This site

included reclamation of approximately 3,400 linear feet of dangerous highwall ranging from 25 to 50 feet high, and associated spoil and gob piles. The site is underlain with deep mine workings and there were three poor water quality deep mine discharges located that were likely associated. A 0.7-acre with poor water quality impoundment was eliminated during the backfilling operations.

The southern site, located south of the intersection of Cooper Avenue (T-737) and Cooper-2 Road (T-735), consisted of regrading and re-vegetating a 13-acre abandoned strip-mined area. This site included reclamation of approximately 3,200 linear feet of dangerous highwall ranging from 30 to 40 feet high, and associated spoil piles.

Both sites were stabilized using a grass and legume seed mix suitable for abandoned mine sites, and 3,000 linear feet of windrow wildlife habitat was constructed using materials from the clearing and grubbing operations.

Funding:

This project was financed through Pennsylvania’s Federal Abandoned Mine Land (AML) Grant funded by the coal industry via fees paid on each ton of coal mined.

Project Management:

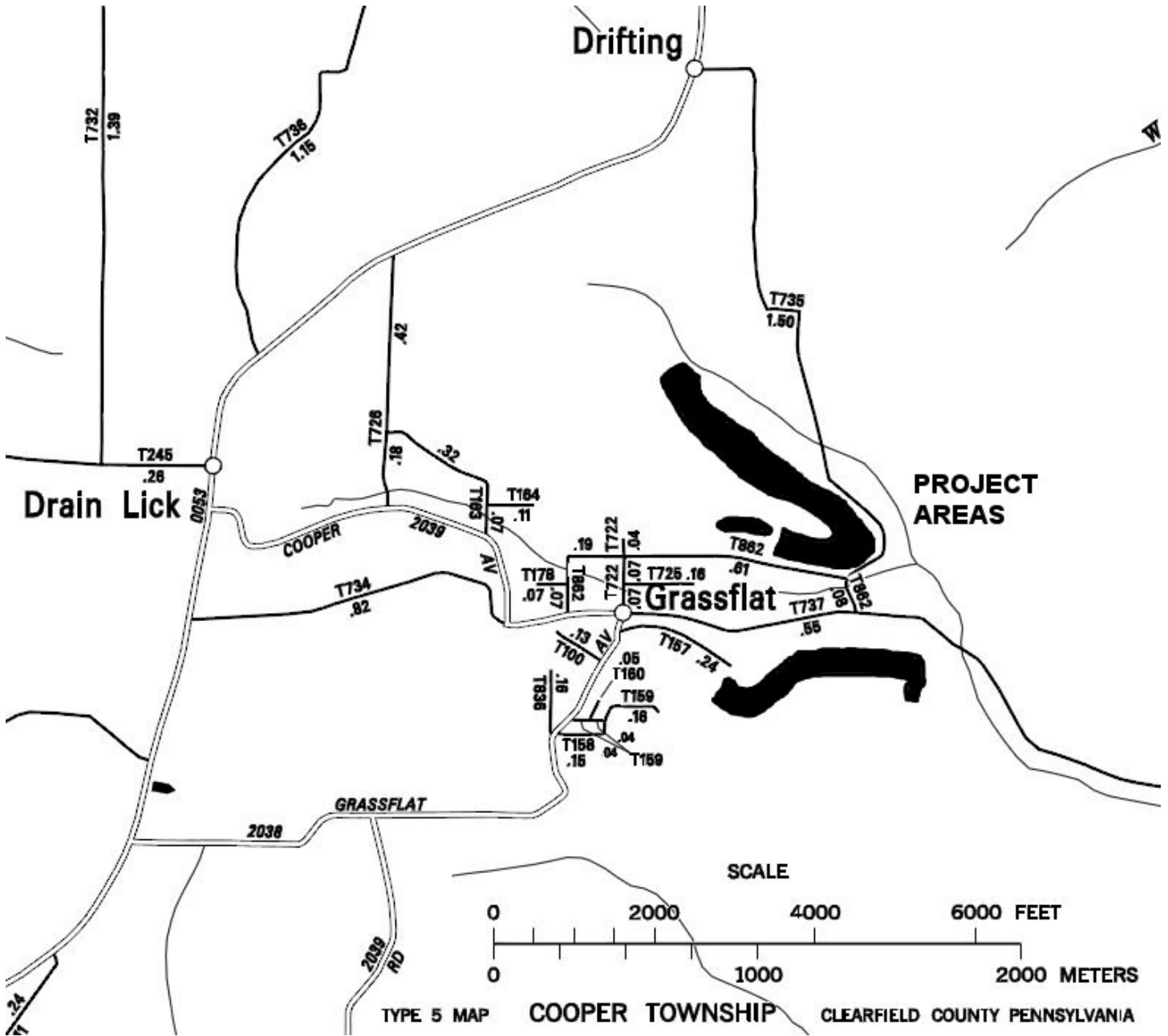
Bureau of Abandoned Mine Reclamation
Harrisburg Office
(Contact: Mike Lazorcik @ 717.783.7927 or mlazorcik@pa.gov)

Accomplishments:

PRIORITY	AMLF #	AMLF KEYWORD	MEASUREMENTS						QUANTITY	UNIT
			ACRES	HEIGHT	LENGTH	COUNT	VOL.	FLOW		
2	1	DH	-	35	3200	-	-	-	3200	L.F.
3	2	SA	28	-	-	-	-	-	28	Acres
2	3	DH	-	35	2600				2600	L.F.
3	4	SA	12						12	Acres
3	8	GO	1.5						1.5	Acres

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Location Map



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Aerial Photo



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Pre-Construction

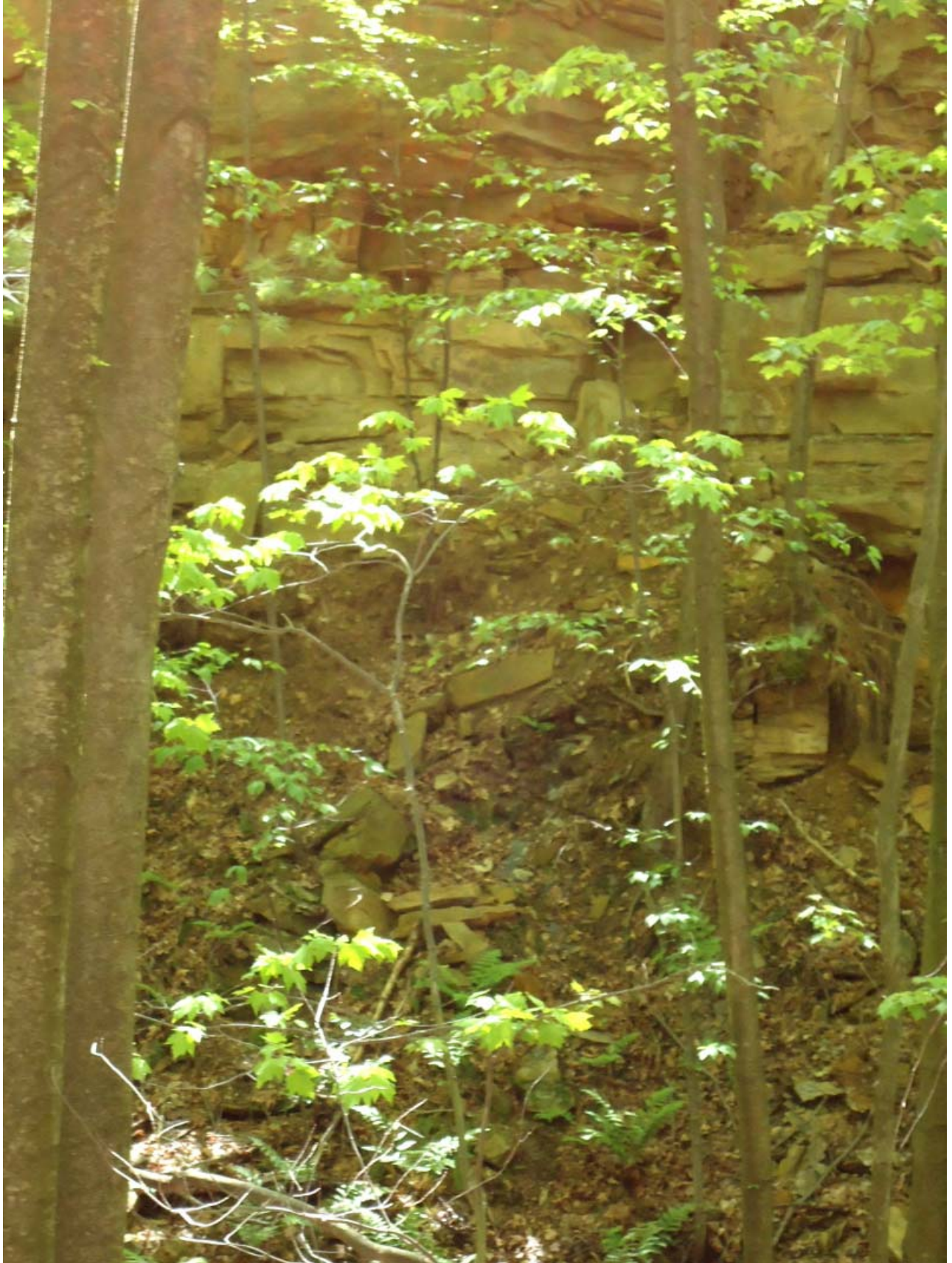


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During Construction



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Post-Construction

