



STRIKE AND DIP OF COAL

LOWER KITTINGING

WAVE

100-124-16, 108-124-12, 105-124-25

AREA AND PLUNGES OF REGIONAL STRUCTURE

CALDONIA SYNCLINE

KEY TO PREVIOUSLY MINED AREAS

MAP KEY	TYPE	STATUS	OPERATOR	PERMIT NO.	COAL SEAM
A	SURFACE	ACTIVE	DOVERSPIKE BROS. COAL CO.	33830105	L.F.
B	SURFACE	ACTIVE	CLUE MINING CO., INC.	33820118	L.F., M.K.
C	SURFACE	ACTIVE	M.B. ENERGY, INC.	33820134	U.K., M.K., U.K.
D	SURFACE	ACTIVE	PAN COAL CO., INC.	33820114	L.F., M.K., U.K.
E	SURFACE	ACTIVE	PAN COAL CO., INC.	38758912	L.F., M.K., U.K.
F	SURFACE	ACTIVE	PAN COAL CO., INC.	38708513	L.F., M.K., U.K.
G	SURFACE	ACTIVE	CHARLES BERTHIAUME	19379	M.K., L.F.
H	SURFACE	NOT ISSUED	VALLEY MINING	NOT ISSUED	L.F.
I	SURFACE	ABANDONED	HAMILTON MINING CO.	3624091	L.F.
J	SURFACE	ABANDONED	JOHN PHILLIPS	ABANDONED	L.F.
K	SURFACE	ABANDONED	GLEN IRVIN CORP.	38745840	L.F.
U	UNDERGROUND	ACTIVE	DOVERSPIKE BROS. COAL CO.	33841303	L.F.
V	UNDERGROUND	ABANDONED	W.P.A. 5-7.8	W.P.A.	L.F.
W	UNDERGROUND	ABANDONED	LINSEY COAL MINING CO.	9011	L.F.
X	UNDERGROUND	ABANDONED	PERRY HILLS COAL CO.	W.P.A. 5-7.8	L.F.
Y	UNDERGROUND	NOT MINED	VALLEY MINING CO., INC.	3888011	L.F.
Z	UNDERGROUND	ABANDONED	PANDY COAL CO.	W.P.A. 5-7.8	L.F.
AA	SURFACE	ABANDONED	UNKNOWN	UNKNOWN	UNKNOWN

MINE OWNERSHIP

COMPANY	TO	BY	DATE
DOVERSPIKE BROS. COAL CO.	11-18-2000	11-18-2000	
CLUE MINING CO., INC.	11-18-2000	11-18-2000	
M.B. ENERGY, INC.	11-18-2000	11-18-2000	
PAN COAL CO., INC.	02-23-2002	02-23-2002	
CHARLES BERTHIAUME	02-23-2002	02-23-2002	

LEGEND

- APPROVED UNDERGROUND PERMIT BOUNDARY
- OCCUPIED CHIMNEY
- UNOCCUPIED STRUCTURE
- DRILLHOLE
- UNIMPROVED ROAD
- IMPROVED ROAD
- PERMANENT STREAM
- INTERMITTENT STREAM
- LOWER KITTINGING COAL SEAM OUTCROP
- LOWER KITTINGING SEEP HOLE OUTCROP
- UPPER FREESTON SEEP HOLE OUTCROP
- UPPER FREESTON SEEP HOLE OUTCROP
- CHIMNEY BARRIER
- NO MINING UNTIL PERMIT IS APPROVED
- NO MINING UNTIL LEASE AGREEMENT IS ASSURED
- BARRIER - NO MINING
- CHIMNEY
- COAL MINES
- SEAL

NOTES:

- SURFACE FEATURES DEPICTED HEREON ARE FROM A VALLEY QUADRANGLE AS WELL AS FROM LOCAL SURVEY.
- MAPING COORDINATE SYSTEM IS A LOCAL DATUM CONVERSION TO NORTH AMERICAN DATUM OF 1983 (NAD83).
- PENNSYLVANIA STATE PLANE SOUTH ZONE IS 18 12' 7" 8.33".
- Z = 0.42' @ ± 2.52'
- THIS MAP MEETS REQUIREMENTS FOR 75, 1200 AND 75, 1204.
- SURVEYED BY CLOSED LOOP METHOD ACC + 1.8000 PRIOR TO FEBRUARY 21, 2004 THEREAFTER ACC + 1.5200.
- MAXIMUM ENTRY WIDTH IS 20 FEET.
- INTERVAL BETWEEN THE LOWER KITTINGING AND LOWER FREESTON IS APPROXIMATELY 180 FEET INTERVAL BETWEEN THE LOWER KITTINGING AND UPPER FREESTON IS 200 FEET.
- THE LOCATION AND EXTENT OF ABANDONED MINE WORKINGS DEPICTED ON THIS MAP IS BASED ON THE AVAILABLE DATA. WITHOUT THE BENEFIT OF A FINAL CERTIFIED MINE MAP ACCORDINGLY, THE PROFESSIONAL ENGINEER SEALING THESE MAPS DOES NOT CERTIFY, WARRANT OR GUARANTEE THE PRECISE LOCATION OR EXTENT OF ABANDONED MINE WORKINGS DEPICTED HEREON.

MAP PREPARED BY:

Force
Engineering Services, LLC
1630 PHILADELPHIA STREET, INDIANA, PA 15701
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DRAWN BY: NEG
SCALE: 1" = 400'
DRAWING NO. 1 OF 1

NAME _____ DATE _____
COMPANY OR CORPORATE OFFICER _____

NAME _____ DATE _____
INSPECTOR _____

0 400 800 1200

FINAL SEAL DATE: 04/17/2014
FINAL SURVEY DATE: 09/28/12 3335 MILLER ROAD, HAMILTON, PA 15744 SCALE: 1" = 400'

75,1204 FINAL MINE MAP
AMFIRE Mining Company, LLC
DORA 8 MINE
CAMP 1307501 BISHOP, OR 36-20791
LOWER KITTINGING COAL SEAM
NORTH MAHONING & PERRY TOWNSHIPS
INDIANA & JEFFERSON COUNTY, PENNSYLVANIA

DATE: 05/06/2014