

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
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Investigation and Inventory of Abandoned Underground Mines in Columbiana, Mahoning, and Trumbull Counties, Ohio

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STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
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INVESTIGATION AND INVENTORY OF ABANDONED
UNDERGROUND MINES IN COLUMBIANA,
MAHONING, AND TRUMBULL COUNTIES, OHIO

by

Douglas L. Crowell

Mahoning County
Abandoned Underground Mine Data Sheets

DATA SHEETS FOR MAPPED
ABANDONED UNDERGROUND MINES

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tracts 7, 8

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): 17 527,300 2,471,600

DIV MINES MAP NO: Mg-1 OGS MINE NO: _____ USBM DOCUMENT NO: 321586

MINE NAME: Pennell or Niles (1888); Pennell (1883-87); Penne1 (1880-82, 1875-77); Pennell (1874) [2]

OPERATOR(S): New Lisbon Coal Co. (1886-87); Andrews Coal Co. (1883-85);
New Lisbon Coal Co. (1880-82, 1874-77, 1871) [2]

DATE OPENED OR EARLIEST SURVEY: 1871 [58] DATE ABANDONED OR LAST SURVEY: 1876 [1]; 1888 [2]

TYPE OF MINE: slope and shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 874' (topo)

SEAM THICKNESS: 4' [31]; 1'-4 1/2' [1]

COVER THICKNESS: 161' at shaft opening [31]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA [1], [2], [5], [22: p. 7], [31: p. 801], [36: p. 175], [58: v. II, p. 133]
(SEE NUMBERED REFERENCE LIST):

HAZARD POTENTIAL: moderate and high

REMARKS:

Annual reports [2] indicate: at West Austintown (1883); Johnathan Head, Supt. (1883-88); Frank McIntosh, Mine Boss (1883); John Warbaugh, Mine Boss (1886); John Mowbach, Mine Boss (1887); slope 420' long; near the Harroff mine (1885); drawing pillars (1885); abandoned (1888).

Measured section [31]. Production of 200 tons/day [22].

Mine map [1] shows: 1 slope; 1 air shaft; 1 shaft by Anderson Coal Co.; several areas marked "fallen." Shaft filled with rubbish [5].

Coal identified by elevation.

The shaft location is about 80' east of Victoria Rd. and 1150' north of Mahoning Ave. in a grove of trees between two job piles. The site is filled with trash and debris. 9/23/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Youngstown, Great Lots 30, 31
 QUADRANGLE(S): Youngstown
 UTM (CENTER OF MINE): 17 533,900 2,507,300
 DIV MINES MAP NO: Mg-2 OGS MINE NO: _____ USBM DOCUMENT NO: 321536
 MINE NAME: Witch Hazel [1], [5]

OPERATOR(S): Witch Hazel Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: 1881 [1] DATE ABANDONED OR LAST SURVEY: 1895 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 865' (topo)

SEAM THICKNESS: 1'8"-4'0" [1]

COVER THICKNESS: 165' [5]; 190' [36]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2], [4], [5], [36: p. 176]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: 1/4 mi N of Youngstown, at Kyles Corners (1893); 2 shafts; Henry Wick, Supt., Evan S. Edwards, Mine Boss (1884-86); Charles Westlake, Supt., Hugh Evans, Mine Boss (1886-88); abandoned (1888).

Site probably covered by parking lot and building of the Neapolitan Oriental Cocktail lounge on Belmont Ave. [4].

Coal identified by elevation.

No further evidence beyond Collins and DeLong. Unable to pinpoint location. 10/21/80, DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Poland, Great Lots 2, 3, 12, 13
 QUADRANGLE(S): Campbell
 UTM (CENTER OF MINE): 17 508,600 2,523,200
 DIV MINES MAP NO: Mg-3 OGS MINE NO: _____ USBM DOCUMENT NO: 321541
 MINE NAME: Poland

OPERATOR(S): Poland Coal Co. (1889); Tod, Stambaugh & Co. (1884-88) [2]

DATE OPENED OR EARLIEST SURVEY: 1882 DATE ABANDONED OR LAST SURVEY: 1888 [2]; 1892 [1]

TYPE OF MINE: shaft [2]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1; Mahoning Block Coal (1884 [2])

SEAM ELEVATION: 812' (topo)

SEAM THICKNESS: 3 1/2' at shaft opening (1883 [2]); 1'8"-3'6" [1]

COVER THICKNESS: 192' at shaft opening & 157' at air shaft (1885 [2]); 195'-142' in core holes shown on map [1]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2], [5]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: 4 mi SE of Youngstown (1883); A. J. McCartney, Supt., Wm. Young, Mine Boss (1883-88); worked out (1889); air shaft 157' x 10' (1885); shaft 192' x 7' x 14' (1885); drawing pillars (1888).

Shaft filled with dirt [5].

Mine map [1] shows 1 shaft opening; 1 air shaft.

The approximate location of the shaft is under either the Struthers Plaza shopping center or its parking lot. The air shaft is probably in a utility area possibly in the backyard between 979 and 991 Garfield St. 10/9/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Poland, Great Lots 14, 15

QUADRANGLE(S): Campbell

UTM (CENTER OF MINE): 17 502,400 2,524,600

DIV MINES MAP NO: Mg-4 OGS MINE NO: _____ USBM DOCUMENT NO: 321542

MINE NAME: Poland No. 2 [1]

OPERATOR(S): Poland Coal Co. (1890-94) [2]

DATE OPENED OR EARLIEST SURVEY: 1890 [1] DATE ABANDONED OR LAST SURVEY: 1894 [1]

TYPE OF MINE: slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 4-4'4" at MacDonalds entry (1894), 3'8" at Cobbs entry (1894) [2]; 1'6"-4'5" [1]

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: moderate

REMARKS: Annual reports [2] indicate: near Poland (1890); A. J. McCartney, Supt., Wm. Young, Mine Boss (1890-94); drawing pillars (1893). Mine map [1] shows 1 slope opening; all pillars south of the slope were drawn.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Youngstown, Lots 27, 28
 QUADRANGLE(S): Youngstown
 UTM (CENTER OF MINE): 17 518,000 2,508,300
 DIV MINES MAP NO: Mg-5 OGS MINE NO: _____ USBM DOCUMENT NO: 321537
 MINE NAME: Kyle

OPERATOR(S): Kyle Coal Co. [1]; J. & D. Stambaugh, Henry Tod, and Struthers
 Iron Company [61]

DATE OPENED OR EARLIEST SURVEY: 1872 [61] DATE ABANDONED OR LAST SURVEY: 1883 [2];
 1899 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 830' (topo)

SEAM THICKNESS: 2'6"-5'6" [1]

COVER THICKNESS: 200' at shaft opening [5]; 180' (1874 [2])

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA [1], [2], [4], [5], [22: p. 7], [31: p. 793],
 (SEE NUMBERED REFERENCE LIST): [36: p. 176], [61: p. 63]

HAZARD POTENTIAL: high

REMARKS: Production of 400 tons/day [22]. 1 mi E of Foster shaft [31].
 Southern Youngstown Twp. [36].
 Mine map [1] shows 1 shaft opening; 1 air shaft.
 This mine connects with the Foster No. 1 mine (OGS 18) and the McKinnie
 mine (Mg-12). Mined 240,000 tons [5].
 In an open lot behind Westler Fuel & Supply [4].
 Coal identified by elevation.

*The approximate shaft location is about 600' north of Indiana Ave. and 600'
 east of Market St. According to Bob Isaacson, Manager, Webster Fuel &
 Supply Co., 76 East Indiana Ave., the shaft is supposed to have been under
 the old Macquire Auto Body Store whose foundation now is either under the landfill
 for the Krogers Store or is in an overgrown lot behind Webster Fuel & Supply. 10/22/80.DC.*

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Secs. 34, 35

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 456,600 2,476,700

DIV MINES MAP NO: Mg-6 OGS MINE NO: _____ USBM DOCUMENT NO: 321583

MINE NAME: National (No. 1); National North (1893-94) & National South (1893);
National Northside & Southside (1891-92); National (1884-90); National
No. 1 & No. 2 (1883) [2]

OPERATOR(S): Walter & Ferris (1894); Walter & Ferris Coal Co. (1890-93);
Walter & Ferris Co. (1889); J. M. Walter & Co. (1884-88); Walter & Co.
(1883) [2]

DATE OPENED OR EARLIEST SURVEY: 1883 DATE ABANDONED OR LAST SURVEY: 1894

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [1]

SEAM ELEVATION: 1105'-1090' (topo)

SEAM THICKNESS: 28"

COVER THICKNESS: 87' & 127' at air shafts (1884 [2])

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: low

REMARKS: Annual reports [2] indicate: at Washingtonville on the Niles & New Lisbon RR (1883); J. E. Walters, Supt., Ralph Wainwright, Mine Boss (1883-86); Ralph Wainwright, Supt. (1887-88); J. M. Walters, Supt. (1889-94); James Thompson, Mine Boss (1887-94); 2 air shafts (1884); on New Lisbon branch of the NY, P & O RR (1889); opening off No. 12 entry (1889) not shown on map; drawing pillars in Southside (1891) & abandoned (1893); drawing pillars in Northside (1893) & abandoned (1894).
 Mine map [1] shows: 4 drift openings; 2 air shafts; pillars drawn; outcrop line.
 A portion of this mine overlies the National (No. 2) mine (Mg-11) and connects with the Peerless mine (Ca-73).

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Lot 44; Boardman, Great Lot 18

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 513,100 2,515,600

DIV MINES MAP NO: Mg-7 OGS MINE NO: _____ USBM DOCUMENT NO: 321546

MINE NAME: Brownlee

OPERATOR(S): Evan Morris & Son [1]; Brownlee Coal Co. (1888); Morris Coal Co. (1886-87); Evan Morris & Sons (1885); Powers Coal Co. (1883-84) [2]

DATE OPENED OR EARLIEST SURVEY: 1881 [2] DATE ABANDONED OR LAST SURVEY: 1889 [2]; 1899 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1 [1] & Quakertown No. 2 [5]

SEAM ELEVATION: 880' (topo)

SEAM THICKNESS: 1'2"-3'6" [1]

COVER THICKNESS: 155' at shaft opening [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [4], [5]

HAZARD POTENTIAL: high

REMARKS:
Annual reports [2] indicate: 2 1/2 mi SE of Youngstown (1883); air shaft sunk (1887); shut down in 1884, reopened in 1885; employed 14-35 persons (1884, 1888); Supt.: R. A. Beechert (1884), Evan Morris (1885-86), Phillip Morris (1886-87), Henry Marshall (1888); Mine Boss: Thomas E. Blunt (1883), Robert Hunter (1884), John Kennedy (1885-87), Benjamin Morris (1888).
Mine map [1] indicates an additional mined-out area NE of Brownlee mine; this is Mg-47 (Powers No. 1 mine).
Shaft opening at 1561 Midlothian St.; shaft filled with dirt [5].
Mine area part of I-680 interchange at Midlothian St. [4].

Unable to locate. 1561 Midlothian St. no longer exists. No further evidence beyond Collins and DeLong. 10/22/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Lot 43; Boardman, Great Lot 17

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 513,600 2,512,400

DIV MINES MAP NO: Mg-8 OGS MINE NO: _____ USBM DOCUMENT NO: 321547

MINE NAME: Palmer or Logan

OPERATOR(S): Andrews Bros. (1886-92)

DATE OPENED OR EARLIEST SURVEY: 1886 [2] DATE ABANDONED OR LAST SURVEY: 1892 [1],[2]

TYPE OF MINE: shaft

COMMODITY MINED: coa]

SEAM(S) OR BED(S) MINED: Sharon No. 1 [1]

SEAM ELEVATION: 869' (topo)

SEAM THICKNESS: 1'4"-4'5" [1]

COVER THICKNESS: 246' at shaft opening [1]; 233' [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [4], [5]

HAZARD POTENTIAL: high

REMARKS: Shaft located approx. 330' NE of Youngstown-Lima Rd. (South Ave.) inter-section at Township Line Rd. (Midlothian St.) [1].
Annual reports [2] indicate: 1 air shaft (1889); drawing pillars in 1891; employed 27-67 persons (1887, 1891); Jas. Nelson, Supt., Robert Hunter, Mine Boss (1886-92).
Shaft filled with dirt [5].
Now in built-up area, homes and businesses [4].

The shaft location is about 100' south of Judson St., 280' east of South Ave., and 280' north of Midlothian St. in the driveway at 537 Judson St. The site is marked by an area of subsidence less than 1' deep covering an area about 4x15'. The site was recently core-drilled. Information source: John Whitfield, 541 Judson St. 10/22/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Boardman, Great Lots 7, 18; Canfield, Lots 14, 20, 21

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 502,800 2,493,300

DIV MINES MAP NO: Mq-9 OGS MINE NO: _____ USBM DOCUMENT NO: 321551

MINE NAME: Tippecanoe (1888-95) [2]; Foster No. 3 [1]

OPERATOR(S): Foster Coal Co. (1888-94) [2]

DATE OPENED OR EARLIEST SURVEY: 1888 [2] DATE ABANDONED OR LAST SURVEY: 1894 [1]; 1895 [2]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1 [1]

SEAM ELEVATION: 795' (topo)

SEAM THICKNESS: 2'6"-3'0" (1894 [2]); 1'6"-4'0" [1]

COVER THICKNESS: 225' at shaft opening (1888 & 1894) [2]; 214' (Youngstown Vindicator, 1935); 235' (Youngstown Vindicator, 1936)

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [5], Youngstown Vindicator (9/26/1935 & 6/26/1936)

HAZARD POTENTIAL: high

REMARKS:

East of Meridian Rd. & approx. 100 yds N of entrance to Southern Hills Country Club; shaft filled with water [5].

Annual reports [2] indicate: near Canfield (1888); 7 mi SW of Youngstown (1894); K. (Kedgwin) Head, Mine Boss (1888-94); employed 12-90 persons (1888, 1890); drawing pillars (1894); abandoned (1895).

Youngstown Vindicator (1936) indicates: C. W. Andrews, owner, 1888-95; mine re-opened by Wm. Williams & Wm. Miller; leased 500 acres; employed approx. 150 persons; production of 250-300 tons/day.

Mine map [1] shows: 1 shaft opening, @ 3200' S of intersection of Center and Township Rds.; 1 air shaft; several "bad roof" notations in NE portion of map.

See other side for further remarks

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Madison
 TWP. SEC. LOT: Garman, Great Lots 7, 18; Canfield, Lots 14, 20, 27
 QUADRANGLE: Youngstown
 UTM CENTER OF MINE: 17 202 000 S 483 200
 DIV. MINE MAP NO. 31-9 URM DOCUMENT NO. 351581
 MINE NAME: Tybecanus (1888-92) (S); Foster No. 3 (1)
 OPERATOR: Foster Coal Co. (1888-94) (S)
 DATE OPENED OR EARLIEST SURVEY: 1888 (S) DATE ABANDONED OR LAST SURVEY: 1892 (S)
 TYPE OF MINE: shaft
 COMMODITY MINED: coal
 SEAM(S) OR BED(S) MINED: Sharon No. 1 (1)
 SEAM ELEVATION: 792' (top)
 SEAM THICKNESS: 5'8"-3'0" (1891 (S)); 1'8"-4'0" (1)
 COVER THICKNESS: 258' at shaft opening (1888 & 1891) (S); 214' (Youngstown)
 RELATION TO DRAINAGE: below

The shaft location is about 80' east of S. Meridian Rd in a vacant lot behind 1472 and 1474 Turnberry Dr. The site is marked by a pile of debris. A small gob pile lies about 20' to the north of the site. 10/9/80. DC.

REMARKS:
 East of Meridian Rd. a narrow (20' x 20') area of surface to southern hills County Clark shaft filled with water (S).
 Annual reports (S) indicate near Canfield (1888); 7 mi SW of Youngstown (1888);
 J. (Ketchum) says this shaft (1888-92) employed 12-30 persons (1888, 1890);
 drawing plans (1888); abandoned (1892).
 Youngstown Vindicator (1888) indicates J. W. Andrews, owner, 1888-92; mine re-
 opened by Mr. William A. Hillier; leased 1892; employed approx. 100
 persons; production of 250-300 tons/day.
 This map (1) shows 1 shaft opening, S 202, 2 by intersection of Center and
 Township Rds.; 1 air shaft; several "old mine" locations in the portion of map.
 See other side for further remarks

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: _____

TWP, SEC, LOT: _____

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: No map for Mg-10 OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: _____

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): _____

HAZARD POTENTIAL: _____

REMARKS:

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 35

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 456,500 2,478,000

DIV MINES MAP NO: Mg-11 OGS MINE NO: _____ USBM DOCUMENT NO: 321584

MINE NAME: National (No. 2); National (1903); Stouffer (1902); Stoffer (1900-02); National (1900); Stoffers (1899); Stoffer (1888); Stouffer (1897); Stoffer (1896); Walters Bank (1880-83) [2]

OPERATOR(S): National Coal & Clay Co. (1901-03); Washingtonville Mining Co. (1896-1900); Walters & Co. (1880-83) [2]

_____ 1881 [2]; reopened 1896 [2] _____ 1883 [2];
 DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1903 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 (1897 [2]); Clarion [36]; No. 3 or Upper Clarion [1]

SEAM ELEVATION: 1041' (topo)

SEAM THICKNESS: 2 1/2-3 1/2' (1897); 3-4' (1900) [2]

COVER THICKNESS: 40' at shaft opening (1897) [2]; 44' [36]; 30' [1]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2], [36: p. 33, 182, 191]

HAZARD POTENTIAL: high & moderate

REMARKS:

Annual reports [2] indicate: at Washingtonville (1896) on the Niles & Lisbon branch of Erie RR (1897); sunk @ 1881 by J. M. Walters and abandoned (1896); Frank Stoffer (Stouffer), Supt., David Stoffer (Stouffer), Mine Boss (1896-99); S. W. Stouffer, Supt. (1903).
 Mine map [1] shows: 1 slope; 1 shaft; several areas of "old works," extent not known; several areas marked "fallen"; portion of mine flooded.
 A portion of this mine underlies the National (No. 1) mine (Mg-6).

The shaft location is about 1400' west of Washingtonville Rd. behind the Beaver Creek Sportsman Club. The site is marked by a stumped-in depression about 10' in diameter and 3' deep. There are several large gob piles in the vicinity. 11/5/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lots 3, 26

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 522,800 2,505,800

DIV MINES MAP NO: Mg-12 OGS MINE NO: _____ USBM DOCUMENT NO: 321601

MINE NAME: McKinnie (1877); McKennie (1875-1877); McKenny (1875);

McKinnie (1874) [2]

OPERATOR(S): J. B. Warner & Co. (1875-77); Mahoning Coal Co. (1874) [2]

DATE OPENED OR EARLIEST SURVEY: 1868 [61] DATE ABANDONED OR LAST SURVEY: 1877 [2]

TYPE OF MINE: slope [1], shaft [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1?

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: below?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [5], [22: p. 7], [6]: p. 63]

HAZARD POTENTIAL: moderate, high

REMARKS: Mine map [1] shows: 1 air shaft; 1 pumping shaft; 1 slope.
Production of 200 tons/day [22].
This mine connects with the Kyle mine. Shaft opening is on the vacant lot between 173 and 175 W. Myrtle. This is between Oak Hill Ave. and Hillman St.; shaft filled with dirt [5].

Unable to locate. No further evidence beyond Fuller and Sturgeon. 10/22/80.DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 20

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 467,300 2,459,600

DIV MINES MAP NO: Mg-13 OGS MINE NO: USBM DOCUMENT NO: 321569

MINE NAME: John Pow [1]; Pow (1906, 1898-99); Powe (1893-96); Godward (1892);
 Goodward (1891); John Paw (1889); John Powe (1888) [2]

OPERATOR(S): Lieber Bros. (1906); Godward & Sons (1891-99); G & T Godward
 (1888-89) [2]

DATE OPENED OR EARLIEST SURVEY: 1888 [2] DATE ABANDONED OR LAST SURVEY: 1906 [2]

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 (1906 [2])

SEAM ELEVATION: 1110'-1130' (topo)

SEAM THICKNESS: 2 1/2' (1906 [2])

COVER THICKNESS: 90' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: low

REMARKS: Annual reports [2] indicate: retail mine near New Albany (1891), 3 mi
 N of Salem (1893); Geo. Godward, Supt. (1888-89); Frank Godward,
 Supt. & Mine Boss (1893-95); near Robert Auld mine (1892).
 Mine map [1] shows: 4 drift openings; outcrop line of No. 3 seam; area
 of old works.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 12

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 479,300 2,515,200

DIV MINES MAP NO: Mg-14 OGS MINE NO: _____ USBM DOCUMENT NO: 321563

MINE NAME: Spait (1909-12, 1898, 1896); Spaite (1894-95); Peacock & Wilcox (1893); Little, Peacock & Wilcox (1892) [2]

OPERATOR(S): Spait Coal Co. (1909-12); Wilcox & Peacock (1898, 1894-96); Peacock & Wilcox (1893); Little, Peacock & Wilcox (1892) [2]

DATE OPENED OR EARLIEST SURVEY: 1892 [2] DATE ABANDONED OR LAST SURVEY: 1896 [1]; 1912 [2]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Brookville No. 4 [1]; Upper Mercer No. 3a (1909-12) [2]

SEAM ELEVATION: 1105' (topo)

SEAM THICKNESS: 30" [1]; 2 1/2' (1909-12) [2]

COVER THICKNESS: 63' at shaft opening [1]; 70' at shaft opening (1910-12) [2]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: retail shaft 1 1/2 mi NE of North Lima (1894); Chas. Wilcox, Supt., Abraham Peacock, Mine Boss (1894); A. Peacock, Supt. & Mine Boss (1909); A. Peacock, Supt., Henry Wilcox, Mine Boss (1910).
Mine map [1] shows: shaft @ 630' NE of intersection of Brown Rd. and Poland-Lima Rd., @ 150' due E of Poland-Lima Rd.; 1 air shaft; areas marked "Ribs drawn."

See other side for further remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Montana

TWP, SEC, LOT: Boyer, Sec. 15

QUADRANGLE: Columbia

UTM CENTER OF MINE: 17 473,300 5,218,200

DIV MINES MAP NO: 10-14 O&M MINE NO: _____ USDM DOCUMENT NO: 321565

MINE NAME: Witcox (1893); Little, Patrick & Witcox (1892) [2]; Witcox (1893); Little, Patrick & Witcox (1892) [2]

OPERATOR: Witcox (1893); Little, Patrick & Witcox (1892) [2]; Witcox (1893); Little, Patrick & Witcox (1892) [2]

DATE OPENED OR EARLIEST SURVEY: 1892 [2] DATE ABANDONED OR LAST SURVEY: 1915 [2]

COVER THICKNESS: 63' at shaft opening (1915-15) [2]

According to Robert Landsdowne, 10413 South Ave Ext., the mine map is in error, the positions of the main shaft and air shaft are reversed. The shaft location is about 350' east of South Ave Ext. and 70' south of an old coal road. The site is marked by a shaft opening about 15-20' in diameter and open to the bottom. The site is partially covered by trash. Another depression (air shaft) about 4" in diameter and less than 1' deep is located about 130' east of South Ave. Ext. and 50' north of the Landsdowne residence. 10/29/80, DC.

See also site for the records.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Smith, Secs. 14, 23
 QUADRANGLE(S): Alliance
 UTM (CENTER OF MINE): 17 469,250 2,412,700
 DIV MINES MAP NO: Mg-15 OGS MINE NO: _____ USBM DOCUMENT NO: 321559
 MINE NAME: Hemmingway

OPERATOR(S): Henry Bandy (1892-94); B. Hemmingway (1891); David Hemmingway (1888-89) [2]

DATE OPENED OR EARLIEST SURVEY: 1888 [2] DATE ABANDONED OR LAST SURVEY: 1894 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 1045' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 60' at shaft opening [1]

RELATION TO DRAINAGE: below?

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: near Beloit (1889); air shaft (1889); David Hemmingway, Manager (1888-89). This mine shown on Mg-15 (Stanley mine) as an area marked "old works." Possibly connects with Stanley mine?

Mislocated. Should be center Sec. 23. According to Harry Miller and Ralph Courtney, there are several mines in the vicinity, all of them are slope mines with the exclusion of one shaft whose general location (about 2000' east) does not coincide well with the Hemmingway mine. Mr. Courtney worked in a slope mine called Hemmingway between 1916-1924 and has no memory of a shaft mine called Hemmingway. If the Hemmingway shaft exists, possibly it is located in the vicinity of 18621 Courtney Rd. 9/16/80 & 10/23/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Beaver, Sec. 1 (NE 1/4)
 QUADRANGLE(S): Columbiana
 UTM (CENTER OF MINE): 17 486,100 2,514,000
 DIV MINES MAP NO: Mg-16 OGS MINE NO: _____ USBM DOCUMENT NO: 321564
 MINE NAME: Paulin (1894-96) [2]

OPERATOR(S): Josiah Paulin (1894-96) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 [2] DATE ABANDONED OR LAST SURVEY: 1896 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Brookville No. 4 [1]

SEAM ELEVATION: 1104' (topo)

SEAM THICKNESS: 28"-30" [1]

COVER THICKNESS: 51' at shaft opening [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: retail shaft 3 mi NE of North Lima; Josiah Paulin, Manager (1894); 1 air shaft.
 Mine map [1] shows an area marked "Pillars drawn" & "entries filled with gob."

The approximate shaft location is in the vicinity of a medium-size gob pile located about 900' south of Western Reserve Rd. and 550' south of the Stephen D'Appolito residence at 815 Western Reserve Rd. Unable to pinpoint location. A trash-filled depression (shaft?) about 12-15' in diameter and 2-3' deep is located about 850' south of Western Reserve Rd. and 800' southeast of the D'Appolito residence. A smaller depression (air shaft?) is located about 920' south of Western Reserve Rd. and 900' southeast of the D'Appolito residence. A small gob pile is also in the vicinity of these two depressions. 10/29/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 13

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 473,150 2,513,200

DIV MINES MAP NO: Mg-17 OGS MINE NO: _____ USBM DOCUMENT NO: 321565

MINE NAME: F. J. Mentzer

OPERATOR(S): Ferdinand J. Mentzer (1894-97) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 [2] DATE ABANDONED OR LAST SURVEY: 1897 [1]

TYPE OF MINE: shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: above?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: retail shaft near the McGill mine, 1 mi E of North Lima (1894); cannel coal mined.
Mine map [1] shows: shaft @ 75' due E of New Springfield & Steamtown Rd.; suggests that the F. J. Mentzer & McGill mines are connected; McGill mine (Mg-21) bounds this mine on the south.

The approximate shaft location is about 50' east of Rt. 626 and 170' southeast of the Miley Rd. and Rt. 626 intersection. The site is marked by timbers from the fallen tippie. Several small piles of gob are in vicinity. 10/28/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Milton, Lots 1, 2, 3

QUADRANGLE(S): Lake Milton, Deerfield

UTM (CENTER OF MINE): 17 519,900 2,414,100

DIV MINES MAP NO: Mg-18 OGS MINE NO: _____ USBM DOCUMENT NO: 321599

MINE NAME: Hutson No. 3 (1895-96); "A" (1892-94); Palmyra A (1891);
New Palmyra (1890) [2]

OPERATOR(S): Hutson Coal Co. (1895-96); Palmyra Coal Co. (1892-94)

DATE OPENED OR EARLIEST SURVEY: 1890 [2] DATE ABANDONED OR LAST SURVEY: 1896 [1]

TYPE OF MINE: shaft & slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 955' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 40' at shaft opening [2]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high and moderate

REMARKS: Annual reports [2] indicate: near Diamond (Portage Co.) & near Hutson No. 2 mine; shipped coal on Lake Erie, Alliance & Southern Ry; 40' shaft; drawing pillars (1893); A. G. Gough, Supt., Evan T. Bowen, Mine Boss (1890); W. P. Arms, Supt., Hugh B. Evans, Mine Boss (1891-92); Geo. Harrison, Supt. & Mine Boss (1893-94); Capt. H. D. Hutson, Supt., John Good, Mine Boss (1895-96).
 Mine map [1] shows: slope opening @ 1000' due E of County Line Rd.; shaft opening @ 150' E of slope; 1 pumping shaft; mine was purchased by the Hutson Coal Co. on March 1, 1895.

See other side for further remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Smith, Sec. 23 (SW 1/4)

QUADRANGLE(S): Alliance

UTM (CENTER OF MINE): 17 465,000 2,412,700

DIV MINES MAP NO: Mg-19 OGS MINE NO: USBM DOCUMENT NO: 321560

MINE NAME: Urmson [1]

OPERATOR(S): Ralph Urmson (1891-1900 & 1888-89) [2]

DATE OPENED OR EARLIEST SURVEY: 1888 [2];
 1896 [1] DATE ABANDONED OR LAST SURVEY: 1902 [1]

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Middle Kittanning No. 6

SEAM ELEVATION: 1130' (topo)

SEAM THICKNESS:

COVER THICKNESS: 30' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: low

REMARKS: Annual reports [2] indicate: retail mine 1 1/2 mi NW of Beloit (1894);
 Ralph Urmson, Supt., Frank Urmson, Mine Boss (1893); drawing pillars
 (1882).
 Mine map [1] shows: 1 air and pumping shaft.
 Coal identified by elevation.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Smith, sec. 29 (E 1/2 SW 1/4)

QUADRANGLE(S): Alliance

UTM (CENTER OF MINE): 17 459,600 2,399,200

DIV MINES MAP NO: Mg-20 OGS MINE NO: see 48 USBM DOCUMENT NO: 321561

MINE NAME: Bandy

OPERATOR(S): Allen Miller (1894); Henry L. Bandy (1891-93) [2]

DATE OPENED OR EARLIEST SURVEY: 1891 [2] DATE ABANDONED OR LAST SURVEY: 1896 [1]

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5

SEAM ELEVATION: 1075' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 45' max.

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: low

REMARKS: Annual reports [2] indicate: retail mine 3 mi W of Beloit (1894).
Mine map [1] shows: 1 air shaft; mine on the P, FT W & C RR.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 13

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 472,800 2,513,100

DIV MINES MAP NO: Mg-21 OGS MINE NO: _____ USBM DOCUMENT NO: 321570

MINE NAME: McGill [1]

OPERATOR(S): Elizabeth McGill (1897); John McGill (1895-96); Jacob McGill (1894) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 [2] DATE ABANDONED OR LAST SURVEY: 1896 [1]; 1897 [2]

TYPE OF MINE: slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: above?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: moderate

REMARKS: Annual reports [2] indicate: retail mine 1 mi E of North Lima (1894). Mine map shows: 1 air shaft; 1 pumping shaft; slope @ 100' due W of New Springfield & Steamtown Rd.; several areas where pillars were drawn; connection between the McGill & F. J. Mentzer mines; F. J. Mentzer mine (Mg-17) bounds this mine on the north.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Secs. 19, 20

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 468,100 2,458,000

DIV MINES MAP NO: Mg-22 OGS MINE NO: _____ USBM DOCUMENT NO: 321585

MINE NAME: Bonsel (1906); Bonsall (1901) [2]

OPERATOR(S): Robert Auld & Son (1906); Robert Auld (1901) [2]

DATE OPENED OR EARLIEST SURVEY: 1896 [1] DATE ABANDONED OR LAST SURVEY: 1906 [2]; 1901 [1]

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3

SEAM ELEVATION: 1130'-1160' (topo)

SEAM THICKNESS: 2 1/2' (1906 [2]); 36" [1]

COVER THICKNESS: 90' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows: 2 drift openings; several areas marked "Old Works," extent not shown; an area marked "No pillars drawn."

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 1

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 486,400 2,512,500

DIV MINES MAP NO: Mg-23 OGS MINE NO: _____ USBM DOCUMENT NO: 321571

MINE NAME: Daniel Little [1]

OPERATOR(S): Daniel Little (1894-99) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 [2] DATE ABANDONED OR LAST SURVEY: 1899 [2]; 1896 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Brookville No. 4 [1]

SEAM ELEVATION: 1120' (topo)

SEAM THICKNESS: 28"-30" [1]

COVER THICKNESS: 50' at shaft opening [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: retail shaft 3 mi SW of Poland, near
Cyrus Paulin mine (1894); mine to be connected to C. Paulin mine
as 2nd opening (1894).
Mine map [1] shows: located in NW 1/4 Sec. 1; shaft @ 500' S of the twp.
line.

Unable to locate, 10/29/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lot 8

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 516,400 2,498,200

DIV MINES MAP NO: Mg-24; see also ^{Mg-42} OGS MINE NO: _____ USBM DOCUMENT NO: 321552; see also 321556

MINE NAME: Manning [1]

OPERATOR(S): Manning Coal Co. [36]

DATE OPENED OR EARLIEST SURVEY: 1882 [2] DATE ABANDONED OR LAST SURVEY: 1888 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 825' (topo)

SEAM THICKNESS: 1'6"-3'6" [1]

COVER THICKNESS: 160' at shaft opening (1883 [2]); 155' (1882 [2]); 145' [1], [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [4], [5], [36: p. 176], [50: p. 25]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: shaft, 155' x 8' x 18' (1882); 4 mi SW of Youngstown; 90' cribbing; 100' air shaft; Harry Manning, Supt., C. A. Simon, Mine Boss (1883); George Frack, Supt. (1884-85); Alex McIntosh, Mine Boss (1884); Wm. Jones, Mine Boss (1885); drawing pillars (1887). Mine map [1] shows: 1 shaft opening; 1 air shaft; total of 36,699 tons mined.
Near Youngstown [50].
Shaft filled with dirt and trash [5]. Area built up with homes [4]. Mine also shown on Mg-42 (Chestnut Hill mine).
Coal identified by elevation.
According to the Ohio Division of Reclamation a program to stabilize the shaft site is in progress.
See other side for further remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: [Blank]

TWP, SEC, LOT: [Blank]

QUADRANGLE: [Blank]

UTM CENTER OF MINE: [Blank]

42-45

DIV MINE'S MAP NO. [Blank]

USDM DOCUMENT NO. [Blank]

351 284

MINE NAME: [Blank]

OPERATOR: [Blank]

DATE OPENED OR EARLIEST SURVEY: [Blank]

TYPE OF MINE: [Blank]

COMMODITY MINED: [Blank]

SEAM(S) OR BED(S) MINED: [Blank]

SEAM ELEVATION: [Blank]

The shaft location is about 220' southeast of Normandy Drive, and 480' west of Bears Den Rd. on the property of Mary Davis, 2722 Normandy Dr. The shaft was stabilized by 7/80. Information source: Carol Weidinger, 2722 Normandy Dr. 10/22/80, DC.

SOURCE(S) OF DATA: [Blank]

1986 NUMBERED REFERENCE LIST: [Blank]

HAZARD POTENTIAL: [Blank]

REMARKS: (Blank) records [5] indicate shaft, 100' x 8' x 10' (1000); 4 m in of... Shaft filled with dirt and grass [5]. Area built up with houses [4]. Also also shown on 42-45 (Constant Hill area). Coal identified by elevation. According to the Ohio Division of Reclamation a proposal to stabilize the shaft site is in progress. See also the [Blank] records.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Austintown, Tract 5
 QUADRANGLE(S): Canfield, Warren
 UTM (CENTER OF MINE): 17 535,500 2,472,900
 DIV MINES MAP NO: Mg-25 OGS MINE NO: _____ USBM DOCUMENT NO: 321587
 MINE NAME: John Henry; Thornton [5]

OPERATOR(S): Baldwin & Williams (1890, 1888); H. Baldwin & Co. (1889); H. Baldwin (1883-87); W. T. Williams & Co. (1879-82) [2]. John Henry Mining Co. (1879); Ohltown Coal Co., Case, Thornton & Co. (1870) [58]

DATE OPENED OR EARLIEST SURVEY: 1877 [1]; 1870 [58] DATE ABANDONED OR LAST SURVEY: 1889 [1]; 1890 [2]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 917' [58]; 905' (topo)

SEAM THICKNESS: 1'6"-2'10" [1]

COVER THICKNESS: 113' at shaft opening [58]; 115' [5]

RELATION TO DRAINAGE: above & below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2], [5], [36: p. 175], [58: p. 133]

HAZARD POTENTIAL: high

REMARKS:

Annual reports [2] indicate: Charles Bowers, Supt. (1884); Stephen Thornton, Mine Boss (1884-86); Wm. R. Baldwin, Supt. (1885-86); J. M. James, Mine Boss (1887-90); W. T. Williams, Supt. (1888-90); 2 air shafts; mine buildings burned down, 1886; abandoned 1890, leaving pillars intact.
 Mine map [1] shows: 1 pumping shaft & 1 slope opening; Scotch air shaft & Vinegar Hill entries not shown on map (1890).
 Connected with the Ohltown mine.
 Shaft, 113' x 6' x 8', opened in 1870 by Case, Thornton & Co. on the old Cleveland farm in Austintown Twp. [58].
 The John Henry mine and the Thornton mine are believed to be same mine.
 This mine connects with the Ohltown mine (Mg-44).
 Coal identified by elevation. *See other side for further remarks.*

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Washington
 TWP. SEC. LOT: Washington, Tract 2
 QUADRANGLE(S): Camfield, Warren
 UTM (CENTER OF MINE): 17 232,800 4,425,000
 DIV. MINES MAP NO.: 30-52 U.S.M. DOCUMENT NO.: 257897
 MINE NAME: John Henry; Thornton [S]
 OPERATOR(S): John Henry Mining Co. (1883-87); H. T. Williams & Co. (1879-82) [S]; John Henry Mining Co. (1873); Orlow Coal Co., Case, Thornton & Co. (1870) [S]
 DATE OPENED OR EARLIEST SURVEY: 1870 [S] DATE ABANDONED OR LAST SURVEY: 1883 [S]
 TYPE OF MINE: shaft
 COMMUNITY MINED: coal
 BEAM(S) OR BEAM(S) MINED: Shirton No. 1
 BEAM ELEVATION: 917' [S]; 902' (1879)
 BEAM THICKNESS: 1' 6" - 2' 10" [I]
 COVER THICKNESS: 113' at shaft opening [S]; 112' [S]
 RELATION TO DRAINAGE: above & below
 SOURCE(S) OF DATA: [1], [2], [3], [4], [5], [6], [7], [8], [9], [10], [11], [12], [13]
 HAZARD POTENTIAL: High

The shaft location is about 400' west of Orlow Rd. and 50' north of I-80 behind the residence at 1022 Orlow Rd. The site is marked by a small slumped in depression filled with some trash. According to George Buckner, 1010 Orlow Rd., this shaft was graded over when I-80 was being constructed, and it has since subsided about 5'. According R. Walter Shively, 756 Orlow Rd., the air shaft is in the approximate vicinity of the east bound lane of I-80. Apparently "red dog" from surrounding mines was used in portions of I-80's roadbed. 9/24/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Smith, Sec. 24 (NW 1/4)
 QUADRANGLE(S): Damascus
 UTM (CENTER OF MINE): 17 467,000 2,417,500
 DIV MINES MAP NO: Mg-26 OGS MINE NO: _____ USBM DOCUMENT NO: 321596
 MINE NAME: Barber [1]

OPERATOR(S): G. A. Barber (1904); Barber Bros. (1892-94) [2]

DATE OPENED OR EARLIEST SURVEY: 1892 [2] DATE ABANDONED OR LAST SURVEY: 1904 [1]

TYPE OF MINE: shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 [1]; No. 5 (1904 [2])

SEAM ELEVATION: _____

SEAM THICKNESS: 36" [1], (1904 [2])

COVER THICKNESS: _____

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: retail mine 1 mi N of Beloit (1894); 1 air shaft (1894); Thos. Barber, Supt. & Mine Boss (1893).
 Mine map [1] shows: 1 air shaft; main shaft @ 510' N of Qtr. Sec. Line Rd. & Beloit Rd.; crop line of seam No. 3.

The shaft location is about 500' north of Courtney Rd. at the end of an old lane at 17746 Courtney Rd. The site is marked by a trash-filled depression about 15-20' in diameter. A small pile of junk lies about 50' to the north of the site. 10/23/80, DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 36

QUADRANGLE(S): Columbiana, Salem

UTM (CENTER OF MINE): 17 457,700 2,481,700

DIV MINES MAP NO: Mg-27 OGS MINE NO: _____ USBM DOCUMENT NO: 321568

MINE NAME: Fairview (No. 3); Fairview (1906-12); Fairview No. 2 (1904-05);
Fairview No. 3 (1900-03) [2]

OPERATOR(S): Sterling Coal Co. (1911-12); Ohio Coal & Clay Co. (1900-10) [2]

DATE OPENED OR EARLIEST SURVEY: 1900 [2] DATE ABANDONED OR LAST SURVEY: 1912 [2]

TYPE OF MINE: slope [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 (1900 [2]); No. 3A (1911 [2]); No. 3 [1]

SEAM ELEVATION: 1011' average [2]

SEAM THICKNESS: 2 1/2 - 3 1/2' (1904, 1909) [2]

COVER THICKNESS: _____

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: moderate

REMARKS: Annual reports [2] indicate: at Washingtonville on the Erie RR (1906); H. D. Hileman, Supt. (1900-05); M. P. Brady, Mine Boss (1900); John Hileman, Supt. (1906); Daniel McGrath, Mine Boss (1904-06); H. D. Hileman, Supt., G. A. Burton, Mine Boss (1907); Chas. Abblett, Supt. & Mine Boss (1908-10); John Hileman, Supt. (1911-12); Michael Brady, Mine Boss (1911); Daniel McGrath, Mine Boss (1912); mine abandoned 1912.

Mine map [1] shows: slope, top elev. 1089.39'; coal elev. 1007.77'-1030.09'; 1 air shaft; large area marked "worked out," extent not shown; slope @ 180' E of Sec. 35 and @ 1800' S of Secs. 26, 25.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Milton, Lot 3
 QUADRANGLE(S): Lake Milton
 UTM (CENTER OF MINE): 17 517,600 2,413,900
 DIV MINES MAP NO: Mg-28 OGS MINE NO: _____ USBM DOCUMENT NO: 321600
 MINE NAME: Black Diamond No. 1

OPERATOR(S): Black Diamond Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: 1915 [1] DATE ABANDONED OR LAST SURVEY: 1918 [1]

TYPE OF MINE: shaft & slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: above?

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: high and moderate

REMARKS: Mine map [1] shows: 1 slope; 1 shaft; mined-out area of the Palmyra Coal Co. mine to the north; area where pillars were drawn.

The shaft location is about 1300' north of Ellsworth Rd and 20' east of Canyon Blvd. and 50' north of creek. The site is marked by a small trash-filled depression which apparently has served as a dump site since 1929. 9/18/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 12

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 480,800 2,511,900

DIV MINES MAP NO: Mg-29; see also Mg-34 OGS MINE NO: _____ USBM DOCUMENT NO: 321572; see also 321574

MINE NAME: North Lima [1]; North Lima No. 1 (1913-14); North Lima (1904-09)
[2]

OPERATOR(S): North Lima Coal Co. (1913-14); Youngstown & Southern Ry. Co.
(1908-09); North Lima Development Co. (1907); Youngstown & Southern Ry
Co. (1906); Youngstown & Southern Electric RR (1904-05) [2]

DATE OPENED OR EARLIEST SURVEY: 1904 DATE ABANDONED OR LAST SURVEY: 1914 [2]; 1917 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal & clay (1906 [2])

SEAM(S) OR BED(S) MINED: No. 3a coal; No. 3a underclay

SEAM ELEVATION: _____

SEAM THICKNESS: coal: 27"-30", 1'10"-2'3" [1]; clay 36", 4' (1905 [2])

COVER THICKNESS: 66' at shaft opening (1904), 70' (1908 & 1913), 75' (1907 & 1914)[2]

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS:

Annual reports [2] indicate: 10 mi S of Youngstown (1904) near North Lima on Y & S Ry (1906); E. G. Biddison, Supt. (1904-05); Joseph Jones, Mine Foreman (1904); J. W. Jones, Supt. & Mine Boss (1906); E. G. Biddison, Supt., Daniel McGrath, Mine Boss (1907); E. G. Biddison, Supt. & Mine Boss (1908-09); mine abandoned 1910-12; mine reopened 1913; Thomas McCallum, Supt., George Day, Mine Boss (1913); Thomas McCallum, Supt. & Mine Boss (1914).
 Mine map [1] shows: main shaft @ 370' E of sec. 11 @ 1020' SE of intersection of Secs. 1, 2, 11, 12; 1 air shaft; areas marked "worked out," extent not shown; areas marked "Gob." Mg-34 is an earlier map of the same mine.
 This mine may have been excavated by strip mine.

See other side for further remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY _____

TWP, SEC, LOT _____

QUADRANGLE OR _____

UTM CENTER OF MINE: _____

MP-34

DIV MINE MAP NO. _____ URM DOCUMENT NO. _____

35757#

MINE NAME: _____

[S]

OPERATOR: _____

[S]

DATE OPENED OR EARLIEST SURVEY: _____

[S]

DATE ABANDONED OR LAST SURVEY: _____

Unable to pinpoint the shaft location. Apparently both the shaft and air shaft had been graded over. Probably located in the stockyard to the FBI Industries, North Lima Pipe yard. Considerable coal and shale fragments cover the ground in the area, 10/29/80. DC.

BEAM ELEVATION: _____

BEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA: _____

(SEE NUMBERED REFERENCE LIST) [] [] []

HAZARD POTENTIAL: _____

REMARKS:

Annual reports [] indicate: 30 ft S of Youngtown (1904) near north line on Y & S. (1908); E. A. Davidson, Supt. (1904-05); Joseph Jones, Mine Foreman (1904); J. W. Jones, Supt. & Mine Boss (1907); E. A. Davidson, Supt. (1907-08); Mine Boss (1907); E. A. Davidson, Supt. & Mine Boss (1908-09); Mine Boss (1910-11); Mine Boss (1911); Thomas McCallum, Supt. & Mine Boss (1914). Mine map [] shows: main shaft 4 3/4' x 2 1/2' of sec. 11 & 12, SE of intersection of Secs. 1, 2, 11, 12; 1 air shaft; cross tunnel "worked out", extent not shown; cross marked "box", MP-34 is an earlier map of the same mine. This mine may have been excavated by strip mine.

See other side for further remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Poland, Great Lot 55

QUADRANGLE(S): Campbell

UTM (CENTER OF MINE): 17 503,400 2,541,300

DIV MINES MAP NO: Mg-30 OGS MINE NO: _____ USBM DOCUMENT NO: 321543

MINE NAME: Lowellville [1]

OPERATOR(S): Lowellville Coal Mining Co. (1911-1914); Lowellville Coal Co. (1910); Lowellville Coal Mining Co. (1906-1909), Lowellville Coal Co. (1905) [2]

DATE OPENED OR EARLIEST SURVEY: 1905 [1] DATE ABANDONED OR LAST SURVEY: 1916 [1]

TYPE OF MINE: shaft & slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1; No. 1 block coal (1906 [1])

SEAM ELEVATION: 845.7' at shaft, 842'-856' [1]; 840' (topo)

SEAM THICKNESS: 2-4' (1906 [2]); 1'0"-3'3" [1]

COVER THICKNESS: 75' at shaft opening (1906 & 1910 [2])

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high and moderate

REMARKS: Annual reports [2] indicate: at Lowellville on the Erie RR (1906) on the P & LE RR (1905); Robert Fulton, Supt. & Mine Boss (1906); T. H. Williams, Mine Boss (1905); F. F. Clingan, Supt., Robert Fulton, Mine Boss (1907); Robert Fulton, Supt. & Mine Boss (1908); Richard Rollands, Supt. & Mine Boss (1909); Richard Hoon, Supt. & Mine Boss (1910); Roger Horn, Supt. & Mine Boss (1911-14); 1 air shaft; pumping shaft; drawing pillars (1913).
Map [1] shows: several areas marked "entry fallen"; slope at the intersection of Jackson & Howard Sts.; 1 slope opening; 1 shaft opening; 2 air shafts.

See other side for further remarks

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: [Blank]

TWP, SEC, LOT: [Blank]

QUADRANGLE: [Blank]

UTM CENTER OF MINE: [Blank]

DIV MINE MAP NO.: [Blank] URM DOCUMENT NO.: [Blank]

MINE NAME: [Blank]

OPERATOR: [Blank]

[Blank]

[Blank]

DATE OPENED OR EARLIEST SURVEY: [Blank] DATE ABANDONED OR LAST SURVEY: [Blank]

TYPE OF MINE: [Blank]

COMMODITY MINED: [Blank]

REMARKS OR REASON MINED: [Blank]

The shaft location is 450' south of intersection of Washington St. and Jackson St. and 250' south west of railroad line. The site is marked by a rectangular depression about 6x12' and 3' deep, containing some trash. A gob pile is located about 150' northeast of the shaft site and 70' south west of the railroad line. 10/9/80, DC.

RELATION TO DRAINAGE: [Blank]

SOURCE OF DATA: [Blank]

SEE NUMBERED REFERENCE LIST: [Blank]

HAZARD POTENTIAL: [Blank]

REMARKS: Annual reports [2] indicate at Lewisville on the Erie RR (1905) on the 7 & 8 RR (1907) Robert Fulton, Supt. & Mine Boss (1908); Thomas Williams (1909); F. L. Clineham, Supt. Robert Fulton, Mine Boss (1907); Robert Fulton, Supt. & Mine Boss (1908); Richard Kallender, Supt. & Mine Boss (1909); Richard Kallender, Supt. & Mine Boss (1910); Robert Fulton, Supt. & Mine Boss (1911-1912) at shaft; pending shaft opened by [2] (1913).
Map [1] shows several areas marked "entry failed" along at the intersection of Jackson & Robert St.; 1 shaft opening, 1 shaft opening, 2 shaft openings.

See other side for further remarks

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 12

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 478,800 2,512,700

DIV MINES MAP NO: Mg-31 OGS MINE NO: _____ USBM DOCUMENT NO: 321573

MINE NAME: McDonald (No. 2); McDonald (1910-12); Five Point (1906-09);
McDonald (1904-05, 1897-1900) [2]

OPERATOR(S): McDonald Bros. (1907-12); MacDonald Bros. (1906); McDonald
Bros. (1904-05, 1897-1900); McDonalds & Muir (1896) [2]

DATE OPENED OR EARLIEST SURVEY: 1896 [2] DATE ABANDONED OR LAST SURVEY: 1912 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Brookville No. 4 [1]; No. 3A (1904, 1906-1912 [2])

SEAM ELEVATION: 1100' (topo)

SEAM THICKNESS: 28-36"; 2'5" aver. [1]

COVER THICKNESS: 74' at shaft opening (1907), 70' (1908), 75' (1911) [2]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: J. McDonald, Supt. (1904-10) [2].
 Mine map [1] shows: 1 air shaft, 1 main shaft, areas marked "Gob
 section" & "under water."
 This mine may have been excavated by strip mine.

*Unable to locate. The shaft has been either obscured or removed
 by recent strip mine workings. 10/29/80. DC.*

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Goshen, Sec. 30; Smith, Sec. 25

QUADRANGLE(S): Damascus

UTM (CENTER OF MINE): 17 461,300 2,421,700

DIV MINES MAP NO: Mg-32 OGS MINE NO: _____ USBM DOCUMENT NO: 321597

MINE NAME: McKinley (1907); M'Kinley (1906); McKinley (1904-05, 1899-1900);
M'Kinley (1898); McKinley (1896-97) [2]

OPERATOR(S): McKinley Coal Co. (1904-07); Lake Erie & Southern Coal Co.
(1902-03); C. C. Cook (1901); Ohio Brick & Coal Co. (1900); C. C. Cook
(1899-1900); Mahoning Coal Co. (1896-98) [2]

DATE OPENED OR EARLIEST SURVEY: 1896 [2] DATE ABANDONED OR LAST SURVEY: 1908 [1];
1909 [2]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 (1896-1900), No. 5 (1904 & 1906) [2]

SEAM ELEVATION: 1095' (topo)

SEAM THICKNESS: 3-4' (1897, 1904, 1906) [2]

COVER THICKNESS: 65' at shaft opening (1900 & 1906), 60' (1904), 61' (1902) [2]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: 1 mi E of Beloit (1896) on the P, FT W & C RR (1900); mining suspended (1908 & 1909); E. G. Marshall, Supt., J. C. Evans, Mine Boss (1896-98); C. C. Cook, Supt., M. A. Miller, Mine Boss (1899-1900); W. B. Meyers, Supt. (1902-03); W. H. Dunn, Supt. (1904-07); John Roebush, Mine Boss (1904-06); Robert Young, Mine Boss (1907).
 Mine map [1] shows: 1 air shaft; 1 main shaft; an area marked "Old Works."

Unable to locate. Apparently the shaft had been grouted over. A large gab pile is located about 200' east of the intersection of Smith-Goshen Rd. and 5th St. Information source: Sebastian Schuberf. 10/23/80, DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Green, Sec. 33
QUADRANGLE(S): Salem
UTM (CENTER OF MINE): 17 456,200 2,465,100
DIV MINES MAP NO: Mg-33; see also Mg-37 OGS MINE NO: _____ USBM DOCUMENT NO: 321532; see also 321555
MINE NAME: Allison [1]

OPERATOR(S): Allison & Zimmerman [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1911 [1]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 1045'-1051.3' [1]; 1095' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 105' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low

REMARKS: See Mg-37 for remarks.
Mg-33 is identical to Mg-37.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 12

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 480,500 2,511,300

DIV MINES MAP NO: Mg-34; see also Mg-29 OGS MINE NO: _____ USBM DOCUMENT NO: 321574; see also 321572

MINE NAME: North Lima [1]

OPERATOR(S): Youngstown & Southern Railway Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1907 [1]

TYPE OF MINE: shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3a [1]

SEAM ELEVATION: 1080' (topo)

SEAM THICKNESS: 1'10"-2'3" [1]

COVER THICKNESS: 75' (1907 & 1914) [2]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: high

REMARKS: See Mg-29 for remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 33 (NE 1/4)

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 458,800 2,467,300

DIV MINES MAP NO: Mg-36 OGS MINE NO: _____ USBM DOCUMENT NO: 321567

MINE NAME: Millville [1]

OPERATOR(S): Millville Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1928 [1]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 1090' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 150' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows 1 drift opening; 1 air shaft.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 33

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 456,200 2,465,100

DIV MINES MAP NO: Mg-37; see also Mg-33 OGS MINE NO: _____ USBM DOCUMENT NO: 321555; see also 321532

MINE NAME: Mellott [56]; Holwick (1910-14); Allison (1906-10); Howell (1904) [2]

OPERATOR(S): Koons Bros. (1912-14); Allison, Zimmerman & Englert (1910-11); Callihan & Allison Coal Co. (1909-10); Allison Coal Co. (1906-08); Allison (1905); Allison & Brashaw (1900 & 1904) [2]

DATE OPENED OR EARLIEST SURVEY: 1900 [2] DATE ABANDONED OR LAST SURVEY: 1914 [2]; 1911 [1]

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 (1907 [2]); Lower Kittanning No. 5 [56]

SEAM ELEVATION: 1045'-1051.3' [1]; 1060' [56]; 1095' (topo)

SEAM THICKNESS: 3'-2'8" [2]; 3'6" [56]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [56: file no. 3779]

HAZARD POTENTIAL: low

REMARKS: Annual reports [2] indicate: 1 mi E of Salem; domestic mine; W. Allison, Supt. (1904-05); John Allison, Supt. & Mine Boss (1906-10); Frank Zimmerman, Supt., Frank Englert, Mine Boss (1911); Samuel Koons, Supt. & Mine Boss (1912-14).
On the W. L. Holwick farm [56].
Mg-37 is identical to Mg-33.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 21

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: Mg-38 OGS MINE NO: _____ USBM DOCUMENT NO: 321566

MINE NAME: Holroyd [1]

OPERATOR(S): Sam Holroyd [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1919

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows: location in Sec. 21; mine has fallen; connection
to an abandoned mine.
This mine not located.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tract 16

QUADRANGLE(S): Warren, Canfield

UTM (CENTER OF MINE): 17 535,500 2,475,500

DIV MINES MAP NO: Mg-39 OGS MINE NO: _____ USBM DOCUMENT NO: 321588

MINE NAME: Tibbit; Tippet (1882) [2]; Tibbett (1875-77) [2];
McKinney (1871) [5], [58]

OPERATOR(S): Todd, Wells & Co. (1882); Junction Coal Co. (1875-77);
Warner, Arms & Co., Powers & Wick, Henry Smith & Co. (1871) [2]

DATE OPENED OR EARLIEST SURVEY: 1871 [58] DATE ABANDONED OR LAST SURVEY: 1882 [2];
1889 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 882' (topo)

SEAM THICKNESS: 126'10" at shaft opening [31]; 133' [31]

COVER THICKNESS: _____

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [5], [31: p. 801], [36: p. 175], [58:
v. II, p. 133], [61: p. 64]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: 1/2 mi S of Mineral Ridge on the NY P & O RR; idle for several years (1882); Todd, Wells & Co. probably took ownership same time as Austin shaft (1877).
Tibbett & Austin mines connect.
Capacity of 200 tons/day [61].
Same location as McKinney shaft [5].
Mining suspended 1877-82 [58].
Measured section [31].
Coal identified by elevation.
Mine map [1] shows several openings with different names.

See other side for further information

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: _____
 TWP AND LOT: _____
 QUADRANGLE: _____
 UTM HEADING OF MAP: _____
 DIV MINE MAP NO.: _____
 U.S.M. DOCUMENT NO.: _____
 MINE NAME: _____
 OPERATOR: _____
 DATE OPENED OR EARLIEST SURVEY: _____
 DATE ABANDONED OR LAST SURVEY: _____

The shaft location is about 1400' west of Canfield-Niles Rd. (Rt. 46) and 100' east of railroad line on the Robert Lloyd property, 1046 N. Canfield-Niles Rd. According to Mr. Lloyd, the shaft was filled about 25-30 years ago and has shown no signs of subsidence since. A large gab pile lies just to the northwest of the site. 9/30/80. DC.

HAZARD POTENTIAL: _____
 SOURCE OF DATA: _____
 SEE NUMBERED REFERENCE LIST: _____

REMARKS: (1) shows several shafts with different names. See other side for further information.
 (2) Shaft identified by elevation.
 (3) Shaft identified as Anthony shaft.
 (4) Shaft suspended 1875-82.
 (5) Shaft located as Anthony shaft.
 Capacity of 500 cords/day.
 Shaft & tunnel status contact.
 (6) Shaft & tunnel status contact.
 (7) Shaft & tunnel status contact.
 (8) Shaft & tunnel status contact.
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 (50) Shaft & tunnel status contact.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Austintown, Tract 16
 QUADRANGLE(S): Warren
 UTM (CENTER OF MINE): 17 538,900 2,478,100
 DIV MINES MAP NO: Mg-39; see also T1-6 OGS MINE NO: _____ USBM DOCUMENT NO: 321588; see also 321668
 MINE NAME: Austin

OPERATOR(S): Tod, Wells & Co. (1877-1888); John Morris & Co. (1874-76);
 Morris, Robbins & Co.; Tod Wells & Co. (1856)

DATE OPENED OR EARLIEST SURVEY: 1856 [58]; 1858 [2] DATE ABANDONED OR LAST SURVEY: 1889

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 892' [31]; 900' [5]; 881' (topo)

SEAM THICKNESS: 3'0" [31]

COVER THICKNESS: 133'10" at shaft opening [31]; 120' [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA [1], [2], [5], [22: p. 7], [31: p. 800], [36:
 (SEE NUMBERED REFERENCE LIST): p. 175], [50], [58: p. 133, 236, 237]

HAZARD POTENTIAL: high

REMARKS:

Annual reports [2] indicate: at Mineral Ridge; James Jones, Manager (1875-?); E. G. Marshall, Supt., Wm. Dunn, Mine Boss (1883-86); E. B. Wells, Supt., W. R. Davis, Mine Boss (1887).
 Opened in 1856 by Tod, Wells & Co.; opened in 1858 on the Henry Kyle farm near Mineral Ridge [58]. Measured section [31].
 Butt entries 140 yds apart, rooms 10 yds, pillars 6'; production of 150 tons/day [22].
 Mine map [1] shows several openings with different names.
 Shaft is double shaft filled with trash [5].
 Connected to the Tibbett or McKinney shaft.
 Coal identified by elevation. *See other side for further remarks.*

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Madison
 TWP. SEC. LOT: Washington, Tract 10
 QUADRANGLE: Madison
 UTM CENTER OF MINE: TW 83N 50W 2 43X 100
 DIV. MINES MAP NO.: 11-51; see also 11-8
 USM DOCUMENT NO.: 351588; 269
 MINE NAME: Austin
 OPERATOR: McVey's Rutledge & Co., Tol. Wells & Co. (1886)
Tol. Wells & Co. (1877-1888); John Morris & Co. (1874-76);
 DATE DREW OR EARLIEST SURVEY: 1880 [?]
 DATE ABANDONED OR LAST SURVEY: 1888
 TYPE OF MINE: shaft
 COMMODITY MINED: coal
 KAMINSKI OR BEDDING MINED: Sharon No. 1
 SEAM ELEVATION: 881' [?]; 900' [?]; 881' (top)
 SEAM THICKNESS: 3'0" [?]
 COVER THICKNESS: 133'10" at shaft opening [?]; 150' [?]
 RELATION TO DRAINAGE: on

The shaft location is about 520' south of County Line Rel. and 1060' east of N. Canfield-Niles Rel. (Rt. 46) about 70' northeast of the end of Liberty St. and 50' north of pond, on the property of Clair Grantz, 1534 County Line Rel. The site is marked at the base of a gob pile just to the northwest by a depression about 20-25' in diameter filled with trash and debris. 9/24/80. DC.

Information sources: Sharon Wecklell
 76 Liberty St.
 Mrs. Harry Davis
 72 Liberty St.

This map [?] shows several openings with different names. That is double shaft filled with coal [?]. Connected to the shaft or McVey's shaft. Coal identified by elevation. See also note for further comments.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Secs. 28, 33

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 459,700 2,466,500

DIV MINES MAP NO: Mg-40 OGS MINE NO: _____ USBM DOCUMENT NO: 321554

MINE NAME: Shepherd No. 2 [1]

OPERATOR(S): Shepherd Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1936 [1], [56]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 [1]; Lower Kittanning No. 5 [56]

SEAM ELEVATION: 1060' (topo)

SEAM THICKNESS: 3'1" [56]

COVER THICKNESS: 220' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [56: file no. 3775]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows: 3 drift openings; crop line of seam No. 3; seam elev. 100.0'-106.0' in reference to mouth of drift.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Beaver, Sec. 12
 QUADRANGLE(S): Columbiana
 UTM (CENTER OF MINE): 17 479,000 2,514,000
 DIV MINES MAP NO: Mg-41 OGS MINE NO: _____ USBM DOCUMENT NO: 321575
 MINE NAME: Roscoe Nye [1]

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1937 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 [1]; Lower Kittanning No. 5 [56]

SEAM ELEVATION: 1088' at shaft, 1083'-1096' [1]; 1094' [56]; 1090' (topo)

SEAM THICKNESS: 3'6" [56]

COVER THICKNESS: 85' at shaft [1]; 86' [56]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [56: file no. 5530]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: 85' shaft; top elev. 1173'; bottom elev. 1088'; several areas marked "Old Workings"; 1 air shaft.
 This mine may have been partially excavated by strip mine.

Unable to locate. The shaft has been either obscured or removed by an old strip mine operation behind the Mike Zembower residence, 10510 South Ave. Ext. 10/29/80, DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lots 8, 9, 10, 11

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 519,000 2,496,800

DIV MINES MAP NO: Mg-42 OGS MINE NO: _____ USBM DOCUMENT NO: 321556

MINE NAME: Chestnut Hill (1900-03); Ryder (1899-1900) [2];
Tom Tyrrell No 3 [5]

OPERATOR(S): Tyrell & Rider (1900-03); Chestnut Hill Coal Co. (1900);
Chestnut Ridge Coal Co. (1899) [2]

DATE OPENED OR EARLIEST SURVEY: 1899 DATE ABANDONED OR LAST SURVEY: 1900 [1];
1903 [2]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 874' (topo)

SEAM THICKNESS: 2-4'

COVER THICKNESS: 120' at shaft opening (1899 [2]); 126' [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2], [5]

HAZARD POTENTIAL: high

REMARKS: Thomas Tyrell, Supt. & Mine Boss (1899-1900) [2].
 Tom Tyrrell (No. 3) mine in same location as Mg-42; wagon mine with a capacity of 30 tons/day; planks over opening covered with dirt [5].
 Mine map [1] shows: 2 shaft openings; 1 air shaft; Mg-24 (Manning mine).
 Coal identified by elevation.

The shaft location is about 15' north of Dogwood Dr. and 15' east of driveway of the Warren McClurg residence, 2800 Dogwood Dr. According to Mrs. McClurg the site was excavated to about 15' and back-filled by the City of Youngstown about 10 years ago. Presently there is no visible subsidence. 10/22/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lot 10

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 522,850 2,497,200

DIV MINES MAP NO: Mg-43 OGS MINE NO: _____ USBM DOCUMENT NO: 321557

MINE NAME: Evans [1]; Shields [5]

OPERATOR(S): Evans Block Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1902 [1]; 1903 [2]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1 [1]; No. 3a (1903 [2])

SEAM ELEVATION: 820' (topo)

SEAM THICKNESS: 3 1/2' aver., 3 1/2-4' [1]

COVER THICKNESS: 200' at shaft opening [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [4], [5]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: 1 shaft opening; @ 900' NE of Bear Creek; @ 1200' NE of Youngstown & Austintown RR; 5 rooms on the left of the north side of shaft not surveyed.
Not very extensive; shaft filled with trash [5].
On grounds of golf course in Mill Creek Park [4].

The approximate shaft location is about 160' south of McCollum Rd., 50' northeast of green of the Mill Creek Park golf course, and 200' southwest of end of Monterey Rd. The area is marked by some shale and coal fragments on the ground. Presently there is no visible subsidence. 10/22/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tracts 5, 6

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): 17 533,650 2,471,600

DIV MINES MAP NO: Mg-44 OGS MINE NO: USBM DOCUMENT NO: 321589

MINE NAME: Ohltown [2]; Ohlton [22]

OPERATOR(S): Harris, Maurer & Co. (1874-77) [2]; Ohlton Coal Co. [22]

DATE OPENED OR EARLIEST SURVEY: 1868 [58] DATE ABANDONED OR LAST SURVEY: 1877 [1] 1880 [58];

TYPE OF MINE: shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 888' (topo)

SEAM THICKNESS:

COVER THICKNESS: 82' [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [2], [5], [22: p. 7], [58: v. II, p. 133]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: at Taylors Corners, Austinburg Twp.; 1 working shaft & 1 air/pumping shaft; working shaft @ 2200' NE from intersection of Ohltown-Weavers Corners Rd. and Austintown-Taylors Corners Rd.; air/pumping shaft @ 1200' NE from same intersection. Production of 120 tons/day [22]. This mine connects with Mg-25 (John Henry mine). Shaft filled with water and debris; another shaft (OGS 3) 62' deep is mentioned as being on the east side of the railroad [5]. See OGS 45 for additional remarks. Coal identified by elevation.

See other side for further remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tracts 7, 8

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): 17 524,200 2,469,900

DIV MINES MAP NO: Mg-45 OGS MINE NO: _____ USBM DOCUMENT NO: 321590

MINE NAME: Harroff (No. 1); Harroff (1880); Harroff (1875-77),
Huroff (1874) [2]; Owens [5]

OPERATOR(S): Harroff Coal Co. (1880); Harroff Coal Co. (1875-77); Huroff
Coal Co. (1874) [2]

DATE OPENED OR EARLIEST SURVEY: 1870 [58] DATE ABANDONED OR LAST SURVEY: 1880 [2];
1875 [1]

TYPE OF MINE: slope [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 873' (topo)

SEAM THICKNESS: 4' [31]; 1'3"-3'6" [1]; 4 1/2-5' [5]

COVER THICKNESS: @112' [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA [1], [2], [5], [22: p. 7], [31: p. 793, 801],
(SEE NUMBERED REFERENCE LIST): [58: v. II, p. 133]

HAZARD POTENTIAL: moderate

REMARKS: Mine map [1] shows: 1 slope; 1 air shaft; two mined-out areas.
John M. Owen, John Stambaugh, et al. compose the Harroff Coal Co. [58].
Measured section [31].
25 to 30 acres were mined; not sure where this mine connects with the
Harroff (No. 2) mine (OGS 8); slope is caved and filled with dirt [5].
Coal identified by elevation.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Austintown, Great Lot 8; Youngstown, Lot 13
 QUADRANGLE(S): Youngstown
 UTM (CENTER OF MINE): 17 531,400 2,493,500
 DIV MINES MAP NO: Mg-46 OGS MINE NO: _____ USBM DOCUMENT NO: 321558
 MINE NAME: Packard [1]

OPERATOR(S): Packard Coal Co. (1874-77) [2]; H. B. & P. Wick [5]

DATE OPENED OR EARLIEST SURVEY: 1871 [1] DATE ABANDONED OR LAST SURVEY: 1877 [2]; 1876 [1]

TYPE OF MINE: slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: _____

SEAM THICKNESS: 3'11" at slope; 1'8"-5'3" [1]

COVER THICKNESS: _____

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2], [5], [22]

HAZARD POTENTIAL: moderate

REMARKS: Production of 300 tons/day [22].
 Mine map [1] shows: 1 slope opening; 1 air shaft; 1 pump shaft; rooms 7-10 yds wide; area of 3-5' of coal west of mine; extent of works not shown for east part of mine.
 Slope slumped and filled with dirt; several caved-in areas nearby [5].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Youngstown, Lot 44
QUADRANGLE(S): Campbell, Youngstown
UTM (CENTER OF MINE): 17 516,000 2,517,200
DIV MINES MAP NO: Mg-47 OGS MINE NO: _____ USBM DOCUMENT NO: 321544
MINE NAME: Powers (No. 1); Powers

OPERATOR(S): A. W. Powers; Powers Coal Co.

DATE OPENED OR EARLIEST SURVEY: 1855 [19] DATE ABANDONED OR LAST SURVEY: @ 1880

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 880' (topo)

SEAM THICKNESS: 1'10"-4'6" [1]

COVER THICKNESS: 60' at shaft opening [5]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [4], [5], [19: p. 25], [22: p. 7], [50: p. 19]

HAZARD POTENTIAL: high

REMARKS: Eastern twp. line of Youngstown Twp. [19].
Production of 200 tons/day [22].
3 mi below Youngstown [50].
Mine map [1] shows 1 shaft opening.
Mine also shown on Mg-7 (Brownlee mine).
Not in built-up area; freeway may now cover site [4].
Coal identified by elevation.

Unable to locate. No further evidence beyond Collins and DeLong. 10/22/80, DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 12; Springfield, Sec. 7

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 476,400 2,515,900

DIV MINES MAP NO: Mg-78 OGS MINE NO: USBM DOCUMENT NO: 321576

MINE NAME: Weaver [1]

OPERATOR(S): M. C. Morey [1]

DATE OPENED OR EARLIEST SURVEY: DATE ABANDONED OR LAST SURVEY: 1936 [1]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED:

SEAM ELEVATION: 1075' (topo)

SEAM THICKNESS:

COVER THICKNESS: 45' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows: 1 drift @ 200' N of Section line Rd. @ 600' NE of SW corner Sec. 7; seam elev. 100.0' at drift mouth, 100.0'-106.5'; area marked "Old Workings," extent not shown.
This mine may have been partially excavated by strip mine.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: _____

TWP, SEC, LOT: _____

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: no map for Mg-49 OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: _____

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): _____

HAZARD POTENTIAL: _____

REMARKS:

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Springfield, Sec. 22 (SE 1/4)

QUADRANGLE(S): New Middletown

UTM (CENTER OF MINE): 17 468,300 2,536,000

DIV MINES MAP NO: Mg-50 OGS MINE NO: _____ USBM DOCUMENT NO: 321592

MINE NAME: Padurean; Padoren [20], [56]

OPERATOR(S): V. J. Padurean [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1939 [1]

TYPE OF MINE: ~~drift [1]~~ ^{slope} from Mine entry to workings, entry drops 10' as shown on mine map.

COMMODITY MINED: coa

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20]

SEAM ELEVATION: 1100' (topo)

SEAM THICKNESS: 2'6"-3'9" [20]

COVER THICKNESS: 60' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [20: p. 29], [56: file no. 5536]

HAZARD POTENTIAL: low

REMARKS: Center of Sec. 22, Springfield Twp. 1/2 mi SE of the Myers (No. 2) mine [20].
 Mine map [1] shows: 1 drift; seam elev. 100.0' at drift mouth, 100.0'-86.0'; 2 areas marked "Old Workings," extent approximate.
 Cannel ranges from 1" to 45" thick; production of 20 tons/day [56].
 This mine may have been partially excavated by strip mine.
 County mine No. Mg 1.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Smith, Sec. 34
 QUADRANGLE(S): Alliance
 UTM (CENTER OF MINE): 17 457,400 2,409,100
 DIV MINES MAP NO: Mg-51 OGS MINE NO: USBM DOCUMENT NO: 321561
 MINE NAME: Sebring [1]

OPERATOR(S): Sebring Mining Co. [1]

DATE OPENED OR EARLIEST SURVEY: DATE ABANDONED OR LAST SURVEY: 1940 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Middle Kittanning No. 6 [1]

SEAM ELEVATION: 1093' (topo)

SEAM THICKNESS:

COVER THICKNESS: 52' at shaft opening [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: 1 air shaft; 52' main shaft; top elev. 1000.0';
 bottom elev. 948.0'; one area marked "Old Workings Inaccessible."

The shaft location is about 750' west of 15th St. Extension and 650' south of W. Texas Ave. and south west from end of W. Kentucky Ave. The site of the shaft is either marked by the concrete pad at the base of the job site or has been covered over by the job. 9/16/80.DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 33

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 458,000 2,496,400

DIV MINES MAP NO: Mg-52 OGS MINE NO: USBM DOCUMENT NO: 321577

MINE NAME: Pitsy [1]

OPERATOR(S): Pitsy Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: DATE ABANDONED OR LAST SURVEY:

TYPE OF MINE: slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED:

SEAM ELEVATION: 1043' (topo)

SEAM THICKNESS:

COVER THICKNESS: @ 17' at slope mouth [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: moderate

REMARKS: Mine map [1] shows: 1 air shaft; an area marked "Old Workings Inaccessible"; slope @ 1250' SE from intersection of section line and Columbiana-Canfield Rd.
Abandonment date unknown.
County mine No. Mg 503.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Beaver, Sec. 6; Green, Sec. 1; Canfield, Lot 9
 QUADRANGLE(S): Columbiana, Salem
 UTM (CENTER OF MINE): 17 485,400 2,483,800
 DIV MINES MAP NO: Mg-53 OGS MINE NO: see 64 USBM DOCUMENT NO: 321553
 MINE NAME: Fisk [1]

OPERATOR(S): American Fire Clay Co. (1942, 1923, 1914); Mahoning & Lake
 Erie Coal Co. (1909-13) [2]

DATE OPENED OR EARLIEST SURVEY: 1869; reopened 1909 [2] DATE ABANDONED OR LAST SURVEY: 1914 [2];
 1945 [1]

TYPE OF MINE: slope

COMMODITY MINED: cannel coal & clay

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20], [48]

SEAM ELEVATION: 1120' (top of clay); 1102-1121' [1]

SEAM THICKNESS: coal: 2 1/2-4', 3'9" aver.; clay: 4-7', 4' aver. [48]

COVER THICKNESS: _____

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2], [20: p. 30], [48: p. 332]

HAZARD POTENTIAL: moderate

REMARKS: Annual reports [2] indicate: near Canfield at Marquis on the Erie RR;
 Earl McCartney, Supt. & Mine Boss (1909); W. H. Hunter, Supt. &
 Mine Boss (1910); E. E. McCartney, Supt. & Mine Boss (1911-14).
 Shaft? [48].
 Mine map [1] shows 2 air shafts; 1 slope; 2 tunnels; 2 areas marked
 "old coal mine abandoned."
 County mine No. Mg 501.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Poland

QUADRANGLE(S): Campbell

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: Mg-55 OGS MINE NO: _____ USBM DOCUMENT NO: 321545

MINE NAME: Lowellville Limestone [1]

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1936 [1]

TYPE OF MINE: quarry [1]

COMMODITY MINED: limestone [1]

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: not evaluated

REMARKS: Not located.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Green, Sec. 16
 QUADRANGLE(S): Salem
 UTM (CENTER OF MINE): 17 470,200 2,467,400
 DIV MINES MAP NO: Mg-56 OGS MINE NO: _____ USBM DOCUMENT NO: 321550
 MINE NAME: Coy [1]

OPERATOR(S): Coy Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: 1921 [56] DATE ABANDONED OR LAST SURVEY: 1938 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20]

SEAM ELEVATION: 1110' [20]; 1114' [56]; 1110' (topo)

SEAM THICKNESS: 3' aver.; 2'10"-4'4" [20]

COVER THICKNESS: 60' at shaft opening [1]; 67' [20]; 61' [56]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [20: p. 30], [56: file nos. 3769, 5551]

HAZARD POTENTIAL: high

REMARKS: SE 1/4 Sec. 16 Green Twp. [20].
 Mine map [1] shows: shaft, top elev. 100.0', bottom elev. 40.0';
 shaft @ 200' N of the public rd.; coal elev. 40.0'-49.0' in
 reference to the elev. of shaft opening; several areas marked "Old
 workings."

*The shaft location is about 170' north of W. South Range Rd. (Rt. 165)
 and 1650' west of Beaver Creek Rd. The site is marked by a
 trash-filled depression about 20-25' in diameter and 7' deep,
 at the base of a partially standing concrete wall. There a couple
 small gob piles in the area. 11/6/80, DC.*

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Green, Sec. 20
QUADRANGLE(S): Salem
UTM (CENTER OF MINE): 17 466,100 2,459,500
DIV MINES MAP NO: Mg-57 OGS MINE NO: _____ USBM DOCUMENT NO: 321549
MINE NAME: Redinger [1]

OPERATOR(S): B. C. Englert & Son [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1923 [1]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 1115' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 85' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows: 1 drift opening; 1 slope opening; 1 drift opening for the Shriver mine; outcrop line; several areas marked "Old works."

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tract 7

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): 17 526,400 2,470,100

DIV MINES MAP NO: Mg-58 OGS MINE NO: _____ USBM DOCUMENT NO: 321591

MINE NAME: Eynon [1]

OPERATOR(S): Eynon Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1921 [1]

TYPE OF MINE: drift, shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 2 [1]

SEAM ELEVATION: 955' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 20' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low, high

REMARKS: Mine map [1] shows: a shaft & outline of another mine's old workings.

*See OGS 7 for further description.
Mg-58 and OGS 7 are the same mine. 7/80. DC.*

The shaft location is about 60' west of S. Turner Rd. and 20' north of the driveway to the Ed Boyer residence, 206 S. Turner Rd.. According to Mr. Boyer the shaft is 91' deep and was filled with trash and trees. A pile of debris marks the site. 9/23/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Springfield, Sec. 9
 QUADRANGLE(S): New Middletown
 UTM (CENTER OF MINE): 17 480,300 2,528,500
 DIV MINES MAP NO: Mg-59 OGS MINE NO: USBM DOCUMENT NO: 321593
 MINE NAME: Ginger Hill [1]

OPERATOR(S): Ginger Hill Coal Co.; Wm. H. Myers & Sons Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: DATE ABANDONED OR LAST SURVEY: 1941 [1]

TYPE OF MINE: shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 4 [1]

SEAM ELEVATION:

SEAM THICKNESS:

COVER THICKNESS:

RELATION TO DRAINAGE: above ?

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: shaft opening; several areas marked "Old workings inaccessible."
 This mine may have been excavated by strip mine.

The possible location of the shaft is in the vicinity of a recently bull-dozed area about 50' west of the driveway to the New Middletown Sportsman Club and 1000' from Rt. 630 (E. Calla Rd.). Coal and shale fragments cover the ground in the area. No further evidence. 11/5/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Green, Sec. 21
QUADRANGLE(S): Salem
UTM (CENTER OF MINE): 17 468,300 2,466,000
DIV MINES MAP NO: Mg-60 OGS MINE NO: _____ USBM DOCUMENT NO: 321548
MINE NAME: Green Mountain or Wetzel No. 4 [1]

OPERATOR(S): Wetzel & Brown [56]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1940 [1]

TYPE OF MINE: drift & slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 & No. 4 [1]; Middle Kittanning No. 6 [56]

SEAM ELEVATION: _____

SEAM THICKNESS: 2'4 1/2" [56]

COVER THICKNESS: _____

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1],[56: file no. 3772]

HAZARD POTENTIAL: low and moderate

REMARKS: Mine map [1] shows: No. 4 mine: drift opening elev. 100.0', coal elev. 100.0'-103.4', 1 air shaft; No. 3 mine (lower coal seam): 2 slope openings, one at elev. 73.3', coal elev. 51.6'-59.6'; an additional mined-out area with 2 drift openings.
Operated in the Silver Creek ravine south of New Albany [56].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Beaver, Sec. 13
 QUADRANGLE(S): Columbiana
 UTM (CENTER OF MINE): 17 473,900 2,511,200
 DIV MINES MAP NO: Mg-61 OGS MINE NO: _____ USBM DOCUMENT NO: 321578
 MINE NAME: Hahn [1]

OPERATOR(S): Wm. Hahn Coal Co. [1], [20]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1932 [1]

TYPE OF MINE: shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 4 [1]; Lower Kittanning No. 5 [20]

SEAM ELEVATION: 1095' (topo)

SEAM THICKNESS: 3'6" [20]

COVER THICKNESS: 50' [1]; 40' [20]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1]; [20: p. 30]; [56: file no. 5521]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: 45' shaft, top elev. 1170', bottom elev. 1125';
 1 air shaft; an area marked "Old workings" and "Caved."
 This mine has been excavated by strip mine.

*Unable to locate. The shaft has been either built upon or
 graded over on the property of the Estherlee Fence Co.
 on the southside of South Ave Ext. 10/29/80. DC.*

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Green, Sec. 21
 QUADRANGLE(S): Salem
 UTM (CENTER OF MINE): 17 469,000 2,466,700
 DIV MINES MAP NO: Mg-63 OGS MINE NO: _____ USBM DOCUMENT NO: 321540
 MINE NAME: Black Diamond (No. 2); Black Diamond

OPERATOR(S): R. I. Hendricks [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1934 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 [1]; Lower Kittanning No. 5 [56]

SEAM ELEVATION: 1110' (topo)

SEAM THICKNESS: 1'8"-3'6" [56]

COVER THICKNESS: 24' at shaft opening [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [56: file no. 5550]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: 1 air shaft; shaft, 24', top elev. 100.0',
 bottom elev. 76.0'.
 On Parana Bros. property [56].

*Unable to locate. According to Walter C. Mead, 8633 W. South
 Rounce Rd. (Rt. 165), both the shaft and air shaft have been
 filled with "red clay". 11/5/80. DC.*

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Smith, Sec. 36
QUADRANGLE(S): Damascus
UTM (CENTER OF MINE): 17 455,950 2,419,700
DIV MINES MAP NO: Mg-64 OGS MINE NO: _____ USBM DOCUMENT NO: 321598
MINE NAME: McDaniel [1]

OPERATOR(S): McDaniel & Cameron [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1940 [1]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 1140' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 20' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows: drift mouth elev. 1000.0'; coal elev. 985.0'-989.0'; several areas marked "old workings," extent not shown.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Green, Secs. 20, 21
 QUADRANGLE(S): Salem
 UTM (CENTER OF MINE): 17 467,400 2,467,500
 DIV MINES MAP NO: Mg-65; see also Mg-72 OGS MINE NO: _____ USBM DOCUMENT NO: 321539; see also 321538
 MINE NAME: Silver Creek [1]

OPERATOR(S): Miller Bros. Coal Co.; Silver Creek Coal Co. [56]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1944 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Middle Kittanning No. 6 [20]; No. 4 [1]

SEAM ELEVATION: 1170' [56]; 1160' (topo)

SEAM THICKNESS: 4' [20]; 3' [56]

COVER THICKNESS: 50' at shaft [1]; 51' [56]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [20: p. 31], [56: file no. 5549]

HAZARD POTENTIAL: high

REMARKS: East central part of Sec. 21, Green Twp. [20].
 Mine map [1] shows: an area marked "Old Workings Abandoned"; shaft, top elev. 100.0', bottom elev. 50.0'; coal elev. 50.0'-54.0' in reference to shaft opening; shaft @ 330' SW of intersection of a stream & public rd.
 Div. of Mines map Mg-72 is an earlier map of the same mine.
The approximate shaft location is in the vicinity of a large gob pile located about 300' west of Bearer Creek Rd. and 2750' south of W. South Range Rd. (Rt. 165). The possible site location is a small depression about 8' in diameter and less than 1' deep about 40' southeast of the gob pile. According to Walter C. Mead, 8633 W. South Range Rd., the shaft was filled. He also says there was a slope opening to Mg-65 due west of the pond. 11/5/80, DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Springfield, Sec. 22
 QUADRANGLE(S): New Middletown
 UTM (CENTER OF MINE): 17 468,500 2,534,200
 DIV MINES MAP NO: Mg-66 OGS MINE NO: _____ USBM DOCUMENT NO: 321594
 MINE NAME: Myers [1]

OPERATOR(S): M. M. Myers [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1940 [1]

TYPE OF MINE: drift and slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20]; No. 3 [1]

SEAM ELEVATION: 1100' [56]; 1090' (topo)

SEAM THICKNESS: 1'10" [20]; 2'8" [56]

COVER THICKNESS: 60' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [20: p. 29], [56: file no. 5535]

HAZARD POTENTIAL: low and moderate

REMARKS: Center of sec. 22, Springfield Twp. 1/2 mi NW of the Padurean mine [20].
 Mine map [1] shows: 1 drift opening & 1 slope opening; slope top elev. 100.0', bottom elev. 77.0'; coal elev. 77.0-84.0'; 2 areas marked "Old Workings."

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Springfield, Sec. 24
 QUADRANGLE(S): New Middletown
 UTM (CENTER OF MINE): 17 468,400 2,543,400
 DIV MINES MAP NO: Mg-67 OGS MINE NO: USBM DOCUMENT NO: 321595
 MINE NAME: Ohlin & Bryan; George Ohlin

OPERATOR(S): Ohlin & Bryan; George Ohlin

DATE OPENED OR EARLIEST SURVEY: DATE ABANDONED OR LAST SURVEY: 1933 [1]

TYPE OF MINE: slope & shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [56]

SEAM ELEVATION: 1080.62' at shaft, 1080.0'-1082.0' [1]; 1090' [56]

SEAM THICKNESS: 2'4" [56]

COVER THICKNESS: 90' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [56: file no. 1810]

HAZARD POTENTIAL: moderate and high

REMARKS: Mine map [1] shows: 1 slope, mouth elev. 1100.13'; 1 shaft, bottom elev. 1080.62'; area marked "Old Workings."
 Leased by Robert Coleman, Beck Heirs, owners; for local use; No. 6 coal elev. at 1120' [56].

Unable to locate. The shaft has been either obscured or removed by Strip mine workings east of Youngstown Pittsburgh Rd. (Rt. 170). 11/5/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Secs. 31, 32

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 456,300 2,489,600

DIV MINES MAP NO: Mg-68 OGS MINE NO: _____ USBM DOCUMENT NO: 321580

MINE NAME: Pascola No. 2 or Columbiana [1]

OPERATOR(S): John Pascola Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1929 [1]

TYPE OF MINE: slope [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: above?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: moderate

REMARKS: Mine map [1] shows: 1 slope; 1 air slope; extent of workings not shown.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Boardman, Great Lot 31 (SE 1/4)
 QUADRANGLE(S): Columbiana
 UTM (CENTER OF MINE): 17 487,100 2,514,300
 DIV MINES MAP NO: Mg-70 OGS MINE NO: _____ USBM DOCUMENT NO: 321581
 MINE NAME: Porter (No. 2); Porter [1]

OPERATOR(S): Porter Bros. [20]; Porter Bros. & Slagle [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1934 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Middle Kittanning No. 6 [20]; No. 3 [1]

SEAM ELEVATION: 1117' [56]; 1120' (topo)

SEAM THICKNESS: 2'4" [20]; 2'7 1/2" [56]

COVER THICKNESS: 80' at shaft opening; 82' [56]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [20; p. 31], [56: file no. 5529]

HAZARD POTENTIAL: high

REMARKS: Near Woodworth, Boardman Twp. [56].
 Mine map [1] shows: shaft, top elev. 1050.0', bottom elev. 970.0';
 2nd shaft; area marked "old workings"; new shaft @ 100' N of
 Western Reserve Rd.; old shaft @ 300' NW of intersection of Western
 Reserve Rd. & Youngstown-East Liverpool Rd.
 County mine No. Mg 524.

See other side for further remarks

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Maryland
 TWP, SEC, LOT: Baltimore, Green Mt. SE 14D
 QUAD/ANGLE(S): Columbia
 UTM (CENTER OF MINE): 17 407,100 5, 214,300
 DIV MINES MAP NO.: MS-30
 OGS MINE NO.:
 USNM DOCUMENT NO.: 351881
 MINE NAME: Poplar (No. 2) Shaft [1]
 OPERATOR: Poplar Bros. & Stone [1]

DATE OPENED OR EARLIEST SURVEY: 1934
 DATE ABANDONED OR LAST SURVEY:

Unable to pinpoint the location of either shaft. The approximate location of one shaft is in the northwest corner of the South Ave. and Western Reserve Rd. intersection. The site was recently graded over. The second shaft location is in the vicinity of a job pile located about 150' north of Western Reserve Rd. opposite the driveway to the D'Appalito residence at 815 Western Reserve Rd. The site either has been graded over or is covered by one of several piles of debris. There is a depression (air shaft?) about 5' in diameter and 3-4' deep located about 110' north of Western Reserve Rd. and 420' west of South Ave. 10/29/80, DC.

RELATION TO DRAINAGE:
 SOURCE(S) OF DATA:
 (SEE NUMBERED REFERENCE LIST) [1], [2], [3], [4], [5], [6], [7], [8], [9], [10], [11], [12], [13], [14], [15], [16], [17], [18], [19], [20], [21], [22], [23], [24], [25], [26], [27], [28], [29], [30], [31], [32], [33], [34], [35], [36], [37], [38], [39], [40], [41], [42], [43], [44], [45], [46], [47], [48], [49], [50], [51], [52], [53], [54], [55], [56], [57], [58], [59], [60], [61], [62], [63], [64], [65], [66], [67], [68], [69], [70], [71], [72], [73], [74], [75], [76], [77], [78], [79], [80], [81], [82], [83], [84], [85], [86], [87], [88], [89], [90], [91], [92], [93], [94], [95], [96], [97], [98], [99], [100], [101], [102], [103], [104], [105], [106], [107], [108], [109], [110], [111], [112], [113], [114], [115], [116], [117], [118], [119], [120], [121], [122], [123], [124], [125], [126], [127], [128], [129], [130], [131], [132], [133], [134], [135], [136], [137], [138], [139], [140], [141], [142], [143], [144], [145], [146], [147], [148], [149], [150], [151], [152], [153], [154], [155], [156], [157], [158], [159], [160], [161], [162], [163], [164], [165], [166], [167], [168], [169], [170], [171], [172], [173], [174], [175], [176], [177], [178], [179], [180], [181], [182], [183], [184], [185], [186], [187], [188], [189], [190], [191], [192], [193], [194], [195], [196], [197], [198], [199], [200], [201], [202], [203], [204], [205], [206], [207], [208], [209], [210], [211], [212], [213], [214], [215], [216], [217], [218], [219], [220], [221], [222], [223], [224], [225], [226], [227], [228], [229], [230], [231], [232], [233], [234], [235], [236], [237], [238], [239], [240], [241], [242], [243], [244], [245], [246], [247], [248], [249], [250], [251], [252], [253], [254], [255], [256], [257], [258], [259], [260], [261], [262], [263], [264], [265], [266], [267], [268], [269], [270], [271], [272], [273], [274], [275], [276], [277], [278], [279], [280], [281], [282], [283], [284], [285], [286], [287], [288], [289], [290], [291], [292], [293], [294], [295], [296], [297], [298], [299], [300], [301], [302], [303], [304], [305], [306], [307], [308], [309], [310], [311], [312], [313], [314], [315], [316], [317], [318], [319], [320], [321], [322], [323], [324], [325], [326], [327], [328], [329], [330], [331], [332], [333], [334], [335], [336], [337], [338], [339], [340], [341], [342], [343], [344], [345], [346], [347], [348], [349], [350], [351], [352], [353], [354], [355], [356], [357], [358], [359], [360], [361], [362], [363], [364], [365], [366], [367], [368], [369], [370], [371], [372], [373], [374], [375], [376], [377], [378], [379], [380], [381], [382], [383], [384], [385], [386], [387], [388], [389], [390], [391], [392], [393], [394], [395], [396], [397], [398], [399], [400], [401], [402], [403], [404], [405], [406], [407], [408], [409], [410], [411], [412], [413], [414], [415], [416], [417], [418], [419], [420], [421], [422], [423], [424], [425], [426], [427], [428], [429], [430], [431], [432], [433], [434], [435], [436], [437], [438], [439], [440], [441], [442], [443], [444], [445], [446], [447], [448], [449], [450], [451], [452], [453], [454], [455], [456], [457], [458], [459], [460], [461], [462], [463], [464], [465], [466], [467], [468], [469], [470], [471], [472], [473], [474], [475], [476], [477], [478], [479], [480], [481], [482], [483], [484], [485], [486], [487], [488], [489], [490], [491], [492], [493], [494], [495], [496], [497], [498], [499], [500], [501], [502], [503], [504], [505], [506], [507], [508], [509], [510], [511], [512], [513], [514], [515], [516], [517], [518], [519], [520], [521], [522], [523], [524], [525], [526], [527], [528], [529], [530], [531], [532], [533], [534], [535], [536], [537], [538], [539], [540], [541], [542], [543], [544], [545], [546], [547], [548], [549], [550], [551], [552], [553], [554], [555], [556], [557], [558], [559], [560], [561], [562], [563], [564], [565], [566], [567], [568], [569], [570], [571], [572], [573], [574], [575], [576], [577], [578], [579], [580], [581], [582], [583], [584], [585], [586], [587], [588], [589], [590], [591], [592], [593], [594], [595], [596], [597], [598], [599], [600], [601], [602], [603], [604], [605], [606], [607], [608], [609], [610], [611], [612], [613], [614], [615], [616], [617], [618], [619], [620], [621], [622], [623], [624], [625], [626], [627], [628], [629], [630], [631], [632], [633], [634], [635], [636], [637], [638], [639], [640], [641], [642], [643], [644], [645], [646], [647], [648], [649], [650], [651], [652], [653], [654], [655], [656], [657], [658], [659], [660], [661], [662], [663], [664], [665], [666], [667], [668], [669], [670], [671], [672], [673], [674], [675], [676], [677], [678], [679], [680], [681], [682], [683], [684], [685], [686], [687], [688], [689], [690], [691], [692], [693], [694], [695], [696], [697], [698], [699], [700], [701], [702], [703], [704], [705], [706], [707], [708], [709], [710], [711], [712], [713], [714], [715], [716], [717], [718], [719], [720], [721], [722], [723], [724], [725], [726], [727], [728], [729], [730], [731], [732], [733], [734], [735], [736], [737], [738], [739], [740], [741], [742], [743], [744], [745], [746], [747], [748], [749], [750], [751], [752], [753], [754], [755], [756], [757], [758], [759], [760], [761], [762], [763], [764], [765], [766], [767], [768], [769], [770], [771], [772], [773], [774], [775], [776], [777], [778], [779], [780], [781], [782], [783], [784], [785], [786], [787], [788], [789], [790], [791], [792], [793], [794], [795], [796], [797], [798], [799], [800], [801], [802], [803], [804], [805], [806], [807], [808], [809], [810], [811], [812], [813], [814], [815], [816], [817], [818], [819], [820], [821], [822], [823], [824], [825], [826], [827], [828], [829], [830], [831], [832], [833], [834], [835], [836], [837], [838], [839], [840], [841], [842], [843], [844], [845], [846], [847], [848], [849], [850], [851], [852], [853], [854], [855], [856], [857], [858], [859], [860], [861], [862], [863], [864], [865], [866], [867], [868], [869], [870], [871], [872], [873], [874], [875], [876], [877], [878], [879], [880], [881], [882], [883], [884], [885], [886], [887], [888], [889], [890], [891], [892], [893], [894], [895], [896], [897], [898], [899], [900], [901], [902], [903], [904], [905], [906], [907], [908], [909], [910], [911], [912], [913], [914], [915], [916], [917], [918], [919], [920], [921], [922], [923], [924], [925], [926], [927], [928], [929], [930], [931], [932], [933], [934], [935], [936], [937], [938], [939], [940], [941], [942], [943], [944], [945], [946], [947], [948], [949], [950], [951], [952], [953], [954], [955], [956], [957], [958], [959], [960], [961], [962], [963], [964], [965], [966], [967], [968], [969], [970], [971], [972], [973], [974], [975], [976], [977], [978], [979], [980], [981], [982], [983], [984], [985], [986], [987], [988], [989], [990], [991], [992], [993], [994], [995], [996], [997], [998], [999], [1000].

REMARKS: See other side for further remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Green, Secs. 20, 21
QUADRANGLE(S): Salem
UTM (CENTER OF MINE): 17 465,100 2,464,100
DIV MINES MAP NO: Mg-71 OGS MINE NO: _____ USBM DOCUMENT NO: 321535
MINE NAME: Reed [1]

OPERATOR(S): J. F. Reed Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1933 [1]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 [1]

SEAM ELEVATION: 1070' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 150' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows: coal elev. 0.0'-4.7'; two areas marked "Old Workings," extent not shown.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Green, Secs. 20, 21
QUADRANGLE(S): Salem
UTM (CENTER OF MINE): 17 467,400 2,467,500
DIV MINES MAP NO: Mg-72; see also Mg-65 OGS MINE NO: _____ USBM DOCUMENT NO: 321538; see also 321539
MINE NAME: Silver Creek [1]

OPERATOR(S): Silver Creek Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1936 [1]

TYPE OF MINE: shaft [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 4 [1]; Middle Kittanning No. 6 [20]

SEAM ELEVATION: 1160' (topo)

SEAM THICKNESS: 4' [20]

COVER THICKNESS: 50' at shaft [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [1], [20: p. 31]

HAZARD POTENTIAL: high

REMARKS: See Mg-65 for remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Beaver, Sec. 13
 QUADRANGLE(S): Columbiana
 UTM (CENTER OF MINE): 17 474,300 2,511,900
 DIV MINES MAP NO: Mg-74 OGS MINE NO: _____ USBM DOCUMENT NO: 321582
 MINE NAME: Williams [1]

OPERATOR(S): Williams Coal Co. [1]

DATE OPENED OR EARLIEST SURVEY: 1946 [1] DATE ABANDONED OR LAST SURVEY: 1949 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 4 [1]

SEAM ELEVATION: 1098' [1]

SEAM THICKNESS: _____

COVER THICKNESS: 48' at shaft opening [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: coal elev. 1098.06' at shaft, 1098.06-1090.40'; shaft, 48.35', top elev. 1146.41', bottom elev. 1098.06'; shaft @ 100' SE of South Ave. Rd.; an area marked "old workings abandoned" & "Cave-in"; 1 air shaft; outcrop & elev. of "Upper Strip Vein" or "No. 5 Strip Vein" at 1130.20' (bottom of vein); and workings to Mg-61.
 County mine No. Mg 509.

Unable to locate the shaft which has been obscured by old strip mine workings. The air shaft is located about 150' south of South Ave Ext. The site is marked by a concrete cap. Information source: Herman Elser, 11282 South Ave. 10/29/80. DC.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Youngstown, Lot 47
 QUADRANGLE(S): Sharon West
 UTM (CENTER OF MINE): 17 538,300 2,517,800
 DIV MINES MAP NO: Mg-75 OGS MINE NO: _____ USBM DOCUMENT NO: _____
 MINE NAME: Baldwin [1]; Thorn Hill No. 2 [5]; Cork and Bottle [5]

OPERATOR(S): Powers [1]; Arms & Powers [5]; C. H. Andrews & Hitchcock [5]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1873 [1]

TYPE OF MINE: slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 888' [1]

SEAM THICKNESS: 3'3"-3'10" [1]

COVER THICKNESS: 50'-150'

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [5]

HAZARD POTENTIAL: moderate

REMARKS: Mine map [1] shows: 2 slopes; 1 air shaft; several cave-in notations. Thorn Hill No. 2 and Cork and Bottle located in same place as Mg-75; cover thickness 50' at the Cork and Bottle opening; Thorn Hill No. 2 data mention roof collapse [5].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Beaver, Sec. 12; Springfield, Sec. 7
 QUADRANGLE(S): Columbiana
 UTM (CENTER OF MINE): 17 479,800 2,515,900
 DIV MINES MAP NO: Mg-77 OGS MINE NO: _____ USBM DOCUMENT NO: _____
 MINE NAME: So1 Paulin [1]; Solomon Paulin (1894 [2])

OPERATOR(S): Ephraim Paulin (1897-1900); Solomon Paulin (1888-96) [2]

DATE OPENED OR EARLIEST SURVEY: 1888 [2] DATE ABANDONED OR LAST SURVEY: 1897 [1]; 1900 [2]

TYPE OF MINE: drift [1]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 1135' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 35' max.

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1], [2]

HAZARD POTENTIAL: low

REMARKS: Mine map [1] shows 1 drift opening.
 Retail drift mine 1 1/2 mi NE of North Lima; Solomon Paulin,
 Manager (1894) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Youngstown, Great Lots 19, 20
 QUADRANGLE(S): Youngstown
 UTM (CENTER OF MINE): 17 535,000 2,505,900
 DIV MINES MAP NO: Mg-78 OGS MINE NO: _____ USBM DOCUMENT NO: _____
 MINE NAME: Tom Tyrrell No. 2

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: 1893 [1] DATE ABANDONED OR LAST SURVEY: 1897 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 899' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 166' [1]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [1]

HAZARD POTENTIAL: high

REMARKS: Mine map [1] shows: areas marked "old workings" to the old Governor
 Tod mine; pillars to to the Tom Tyrrell No. 2 mine drawn; rooms
 10-20 yds.

Coal identified by elevation.

At the intersection of Margaret Ave. and Norwood Ave. [5].

*No further evidence beyond Fuller and Spurgeon. Possibly under
 pavement. 10/21/80. DC.*

DATA SHEETS FOR UNMAPPED AND
LOCATED ABANDONED UNDERGROUND MINES

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Youngstown, Great Lot 30
QUADRANGLE(S): Youngstown
UTM (CENTER OF MINE): 17 534,000 2,507,400
DIV MINES MAP NO: see Mg-2 OGS MINE NO: 1 USBM DOCUMENT NO: see 321536
MINE NAME: Witch Hazel (1882-1888) [2]

OPERATOR(S): Witch Hazel Coal Co. (1882-1888) [2]

DATE OPENED OR EARLIEST SURVEY: 1881 [1] DATE ABANDONED OR LAST SURVEY: 1895 [1]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 865' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 190' at shaft opening [36]; 165' [5]

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5], [36: p. 176]

HAZARD POTENTIAL: high

REMARKS: See Mg-2 for remarks.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tract 8

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): 17 524,250 2,472,600

DIV MINES MAP NO: _____ OGS MINE NO: 8 USBM DOCUMENT NO: _____

MINE NAME: Harroff (No. 2); Harroff (1887); Harroff (1883-86); Harroff (1881-82) [2]; Owens [5]

OPERATOR(S): Tod Iron Co. (1885-86); Harroff Coal Co. (1883-84); Harroff Coal Co. (1881-82) [2]

DATE OPENED OR EARLIEST SURVEY: 1881 [2] DATE ABANDONED OR LAST SURVEY: 1887 [2]

TYPE OF MINE: shaft [2]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 855' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 180' at shaft opening [2]; 171' [58]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [36: p. 175], [58: v. II, p. 133], [5]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: on the Niles & New Lisbon RR at West Austintown (1883); John Owens, Supt., B. T. Jones, Mine Boss (1883); H. C. Marshall, Supt., Wm. Parker, Mine Boss (1885); reduced to 1 opening when pillars between it and Pannel slope were drawn (1886); worked out (1887).

Sunk on Jordan Farm [36], [58]. Shaft filled with water; connects with the Chauncey Andrews mine (OGS 9) [5].

Same mine as Harroff slope? The Harroff shaft is not shown on the Harroff slope mine map (Mg-45); not sure what the relationship is between the two mines, whether they are connected in some way.

Coal identified by elevation.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tract 7

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): 17 527,500 2,472,000

DIV MINES MAP NO: _____ OGS MINE NO: 9 USBM DOCUMENT NO: _____

MINE NAME: Chauncey Andrews [5]

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: slope [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 850' (topo)

SEAM THICKNESS: 2'6"-5'0" [5]

COVER THICKNESS: 150' [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [5]

HAZARD POTENTIAL: moderate

REMARKS: Slope filled with cans and water; connects with the Harroff mine
(OGS 8) [5].
Coal identified by elevation.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Great Lot 9

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 528,600 2,489,900

DIV MINES MAP NO: _____ OGS MINE NO: 13 USBM DOCUMENT NO: _____

MINE NAME: Leadville (1880-90); Lanterman (1876) [2]

OPERATOR(S): Raccoon Mining Co. (1885-90); Leadville Coal Co. (1880-84);
Wick & Wells (1869-79) [2]

1869, shaft commence; 1871, shaft complete [3]
DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: 1890 [2]

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 845' (topo)

SEAM THICKNESS: 2 1/2-5'

COVER THICKNESS: 180' at shaft opening [40]

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA [2], [3], [5], [22: p. 7], [31: p. 814], [36: p. 175],
(SEE NUMBERED REFERENCE LIST): [40: p. 292], [58: v. II, p. 133]

HAZARD POTENTIAL: high

REMARKS:

Annual reports [2] indicate: 3 1/2 mi SW of Youngstown; R. J. Wick, Supt. (1883-84); James Thompson, Mine Boss (1883-85); W. T. Williams, Supt. (1885); idle (1886-90).

Opened on the Lanterman farm; fire within the shaft in 1881 [58].

Production of 200 tons/day [22].

2 shafts sunk side by side (1876) at a cost of \$71,837.00 [3].

An extensive operation; shaft filled [5].

Coal identified by elevation.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Tract 6

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): 17 531,800 2,475,850

DIV MINES MAP NO: _____ OGS MINE NO: 15 USBM DOCUMENT NO: _____

MINE NAME: Moherman [5]; Mocherman (1889-90) [2]; Macherton (1886-88) [2]

OPERATOR(S): W. T. Williams; Williams Coal & Iron Co. (1886-90) [2]

DATE OPENED OR EARLIEST SURVEY: 1886 [2] DATE ABANDONED OR LAST SURVEY: 1890 [2]

TYPE OF MINE: shaft [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 865' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 275' [5]

RELATION TO DRAINAGE: below

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5]

HAZARD POTENTIAL: high

REMARKS: Shaft filled with dirt [5].
Coal identified by elevation.

shaft filled with dirt [5].
Shaft site, located at 523 Hylda Ave., collapsed leaving 115' vertical opening.
The site was stabilized by filling in the shaft with Massillon sandstone and
capping the shaft with a 12-inch thick concrete pad reinforced with one-inch
steel bars [Youngstown Vindicator, 6/16/77 and 8/15/77].

UTM (CENTER OF MINE) _____

DIV MINES MAP NO. _____

OPERATOR _____

DATE OPENED OR EARLIEST SURVEY _____

TYPE OF MINE _____

COMMODITY MINED _____

SEAM(S) OR BED(S) MINED _____

SEAM ELEVATION _____

SEAM THICKNESS _____

COVER THICKNESS _____

RELATION TO DRAINAGE _____

SOURCE(S) OF DATA _____

HAZARD POTENTIAL _____

REMARKS

Annual reports [2] indicate: Johnson head, 2000 (1985, 1987); Johnson Weston
Mine Boss (1984); Working District (1985); deepest mine in Huntington Valley
(1987); worked out & abandoned (1987).
Production of 800 tons/day [22].
1 mi N of the shaft [31].
in Youngstown, Pa. [30].
2-1/2 mi S of Youngstown on the Atlantic & Great Western RR [31].
Coal identified by elevation.
Most productive of all the mines on the south side of Youngstown, about 240,000
tons were mined; mine located just east of Rollason town at 517 Hylda St.
connects with the Kyle mine (M-8), which connects with the McCann mine (M-15).
[cont. over next page]

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lot 5

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 517,400 2,502,900

DIV MINES MAP NO: _____ OGS MINE NO: 19 USBM DOCUMENT NO: _____

MINE NAME: Foster No. 2; Fosterville (1887); New Foster (1885-86) [2]

OPERATOR(S): Andrews & Hitchcock; Foster Coal Co. (1885-87) [2]

DATE OPENED OR EARLIEST SURVEY: 1885 [2] DATE ABANDONED OR LAST SURVEY: 1887 [2]

TYPE OF MINE: shaft [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1?

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: below?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5]

HAZARD POTENTIAL: high

REMARKS: Annual reports [2] indicate: 400 yds N of old Foster (No. 1) shaft (1885); sunk (1885); Jonathan Head, Supt. (1885-87); Johnathan Veitch, Mine Boss (1885); Kedgwin Head, Mine Boss (1886-87); worked out (1887).
Removed 40,000 tons; located at SW corner of Glenwood and Parkview; shaft covered with concrete [5].
According to the Ohio Division of Reclamation a program to stabilize the shaft site is in progress.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: Youngstown, Great Lot 9
QUADRANGLE(S): Youngstown
UTM (CENTER OF MINE): 17 515,700 2,495,700
DIV MINES MAP NO: _____ OGS MINE NO: 24 USBM DOCUMENT NO: _____
MINE NAME: Anchor [5]

OPERATOR(S): Beaver Creek Coal Co. (1894) [2]; Powers Coal Co. ?

DATE OPENED OR EARLIEST SURVEY: ?; reopened 1894 [2] DATE ABANDONED OR LAST SURVEY: 1894 [2]

TYPE OF MINE: shaft [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5]

HAZARD POTENTIAL: high

REMARKS: Shaft filled with trash [5].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lot 7

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): 17 525,600 2,500,600

DIV MINES MAP NO: _____ OGS MINE NO: 25 USBM DOCUMENT NO: _____

MINE NAME: Reno [5]

OPERATOR(S): Mackey Bros.; Powers Coal Co. (1877) [2]

DATE OPENED OR EARLIEST SURVEY: 1860 [5] DATE ABANDONED OR LAST SURVEY: 1877 [2]

TYPE OF MINE: slope [5]

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5]

HAZARD POTENTIAL: moderate

REMARKS: Slope filled with dirt [5].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lot 46

QUADRANGLE(S): Campbell

UTM (CENTER OF MINE): 17 531,600 2,518,300

DIV MINES MAP NO: _____ OGS MINE NO: 29 USBM DOCUMENT NO: _____

MINE NAME: Allen

OPERATOR(S): Mahoning Valley Iron Co. (1885-86) [2]; Allen Coal Co. [36]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: shaft [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: 849' (topo)

SEAM THICKNESS: _____

COVER THICKNESS: 136' at shaft opening [5]

RELATION TO DRAINAGE: below?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5], [36: p. 176]

HAZARD POTENTIAL: high

REMARKS: Connects with Allen slope?
 South of Stewart Ave. in center of Woodside Ave.; shaft filled with dirt [5].
 Coal identified by elevation.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown, Great Lot 45

QUADRANGLE(S): Campbell

UTM (CENTER OF MINE): 17 530,200 2,517,600

DIV MINES MAP NO: _____ OGS MINE NO: 30 USBM DOCUMENT NO: _____

MINE NAME: Allen

OPERATOR(S): Mahoning Valley Iron Co. (1884-1887) [2]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: slope [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5]

HAZARD POTENTIAL: moderate

REMARKS: Annual reports [2] indicate: Henry Bonnell, Supt. (1884-85); John Matthews, Mine Boss (1884-87); F. Wick, Supt. (1886-87); drawing pillars (1885).
Connected to Allen shaft?
In a ravine south of proposed junction of Magnolia & Mackey Aves.; slope slumped [5].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown, Great Lot 1

QUADRANGLE(S): Girard

UTM (CENTER OF MINE): 17 537,650 2,489,600

DIV MINES MAP NO: _____ OGS MINE NO: 41 USBM DOCUMENT NO: _____

MINE NAME: Fulk (1883, 1877); Foulk (1874-76) [5]

OPERATOR(S): Fulk Coal Co. (1877, 1883) [2]; Foulk (1874-76) [2]; Holliday
Coal Co. [22]; Osborne, Wallace & Co. (1873) [61]

DATE OPENED OR EARLIEST SURVEY: 1873 [61] DATE ABANDONED OR LAST SURVEY: 1883 [2]

TYPE OF MINE: slope [5]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1?

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: above?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [5], [22: p. 7], [58: v. I, p. 57] [61: p. 63]

HAZARD POTENTIAL: moderate

REMARKS: Annual reports [2] indicate: 1 mi S of Weathersfield (1883); Richard Perkins, Mine Boss (1883); pillars drawn & abandoned (1883). Production of 80 tons/day [22]. Mined out, 1870 [58]. The mine was reopened later to take out the pillars; water from the mine runs into a stream in the valley; extent of the operation is large; slope filled with dirt [5].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Smith, Sec. 23

QUADRANGLE(S): Alliance

UTM (CENTER OF MINE): 17 466,200 2,411,700

DIV MINES MAP NO: _____ OGS MINE NO: 50 USBM DOCUMENT NO: _____

MINE NAME: _____

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: 1144' (topo)

SEAM THICKNESS: 7' [57]

COVER THICKNESS: 26' [57]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [57: file no. 66]

HAZARD POTENTIAL: not evaluated

REMARKS: Water well located 1/4 mi E of 12th St. on Courtney Rd., N of Sebring [57].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Springfield, Secs. 24, 25

QUADRANGLE(S): New Middletown

UTM (CENTER OF MINE): 17 466,100 2,542,850

DIV MINES MAP NO: _____ OGS MINE NO: 63 USBM DOCUMENT NO: _____

MINE NAME: Bituminous

OPERATOR(S): Bituminous Coal Co. [20]

DATE OPENED OR EARLIEST SURVEY: 1935 DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20], [56]

SEAM ELEVATION: 1080' [20]

SEAM THICKNESS: 26" [20]

COVER THICKNESS: _____

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [20: p. 29], [56: file no. 5538]

HAZARD POTENTIAL: not evaluated

REMARKS: Opened in 1935 in S 1/2 Sec. 24, Springfield Twp., 1/2 mi S of Peterson Coal Co. mine [20].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 28

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 461,700 2,465,550

DIV MINES MAP NO: _____ OGS MINE NO: 70 USBM DOCUMENT NO: _____

MINE NAME: _____

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5

SEAM ELEVATION: 1147' [56]

SEAM THICKNESS: 2'10" [56]

COVER THICKNESS: _____

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [56: file no. 3774]

HAZARD POTENTIAL: not evaluated

REMARKS: 1'11" of Middle Kittanning No. 6 coal also measured [56].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 23

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 466,200 2,477,600

DIV MINES MAP NO: _____ OGS MINE NO: 73 USBM DOCUMENT NO: _____

MINE NAME: _____

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Middle Kittanning No. 6 & Lower Kittanning No. 5 [56]

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [56: file no. 5532]

HAZARD POTENTIAL: not evaluated

REMARKS: Measured section [56] mentions two separate mines.

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 36

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): 17 455,100 2,481,300

DIV MINES MAP NO: _____ OGS MINE NO: 75 USBM DOCUMENT NO: _____

MINE NAME: Abe Stouffer

OPERATOR(S): J. A. Stouffer [8]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Middle Kittanning No. 6 [8]

SEAM ELEVATION: _____

SEAM THICKNESS: 2'6" [8]; 2'2" [47]

COVER THICKNESS: _____

RELATION TO DRAINAGE: above?

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [8: p. 74], [47: p. 159], [56: file nos. 1710,11843]

HAZARD POTENTIAL: not evaluated

REMARKS: SW 1/4 Sec. 36 Green Twp. just east of Washington; proximate/
ultimate analysis [8].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 28

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 463,900 2,497,900

DIV MINES MAP NO: _____ OGS MINE NO: 80 USBM DOCUMENT NO: _____

MINE NAME: J. C. Robertson [56]

OPERATOR(S): J. C. Robertson [20]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20]

SEAM ELEVATION: 1050' [20]

SEAM THICKNESS: 2'4" [20]

COVER THICKNESS: _____

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [20: p. 29], [56: file no. 5526]

HAZARD POTENTIAL: not evaluated

REMARKS:

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver, Sec. 2 (NE 1/4)

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): 17 484,500 2,510,150

DIV MINES MAP NO: _____ OGS MINE NO: 82 USBM DOCUMENT NO: _____

MINE NAME: Dunn (No. 2); Dunn

OPERATOR(S): Dunn Coal Co. [20]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: slope [20]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20]

SEAM ELEVATION: 1074' [20]; 1085' (topo)

SEAM THICKNESS: 2'8" aver., 2'6"-2'10" [20]

COVER THICKNESS: @70' [20]

RELATION TO DRAINAGE: above

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [20: p. 30], [56: file no. 5528]

HAZARD POTENTIAL: moderate

REMARKS:

DATA SHEETS FOR UNMAPPED AND
UNLOCATED ABANDONED UNDERGROUND MINES

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Craver

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: 1882 (1883 [2]) DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: 81' at shaft opening (1883 [2])

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: At Austintown on the Niles & New Lisbon RR; Geo. Frack, Supt., John J. Rees, Mine Boss (1883) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown

QUADRANGLE(S): Canfield

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Henry

OPERATOR(S): Frank Henry [31]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [31: p. 794]

HAZARD POTENTIAL: _____

REMARKS: Southwest corner of Austintown [31].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Leadville, Jr.

OPERATOR(S): A. C. Snyder (1894 [2])

DATE OPENED OR EARLIEST SURVEY: 1894 DATE ABANDONED OR LAST SURVEY: 1895

TYPE OF MINE: shaft

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Retail shaft 3 1/2 mi W of Youngstown; coal lies near the surface (1894) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Linn Farm [36]

OPERATOR(S): Cornell & Dalzell [36]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [36: p. 175]

HAZARD POTENTIAL: _____

REMARKS:

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Porter

OPERATOR(S): Wm. Porter [27]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coa]

SEAM(S) OR BED(S) MINED: "Black band" [27]

SEAM ELEVATION: _____

SEAM THICKNESS: 4' 6" [27]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [27: p. 24]

HAZARD POTENTIAL: _____

REMARKS: Measured section [27].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Austintown

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Watkins

OPERATOR(S): Watkins & Daniels (1892-93) [2]

DATE OPENED OR EARLIEST SURVEY: 1892 DATE ABANDONED OR LAST SURVEY: 1893

TYPE OF MINE: slope

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Retail mine at Mineral Ridge (1892); abandoned (1893) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Beaver

OPERATOR(S): Robert Hunter (1909, 1906) [2]

DATE OPENED OR EARLIEST SURVEY: 1906 DATE ABANDONED OR LAST SURVEY: 1909

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3A (1906 [2])

SEAM ELEVATION: _____

SEAM THICKNESS: 28" (1906), 2 1/2' (1909) [2]

COVER THICKNESS: 52' at shaft opening (1909 [2])

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Near North Lima (1909); Robert Hunter, Supt. & Mine Boss (1906, 1909) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Brown

OPERATOR(S): John Kelly (1909, 1894) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 DATE ABANDONED OR LAST SURVEY: 1909

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Retail mine 1 1/2 mi NE of North Lima; John Kelly, Manager (1894) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Jones

OPERATOR(S): Jones Bros. (1897); William J. Jones & Sons (1894-96) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 DATE ABANDONED OR LAST SURVEY: 1900

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Shaft 2 mi NE of North Lima; William Jones, Supt. & Mine Boss (1894) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: E. Paulin (1909-12) [2]

OPERATOR(S): E. Paulin (1909-12) [2]

DATE OPENED OR EARLIEST SURVEY: 1909 DATE ABANDONED OR LAST SURVEY: 1912

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3A (1909 [2])

SEAM ELEVATION: _____

SEAM THICKNESS: 2 1/2' (1910 [2])

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: New drift near North Lima (1909) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Spring Run

OPERATOR(S): R. Z. Lloyd (1895); Theodore Bare (1894) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 DATE ABANDONED OR LAST SURVEY: 1899

TYPE OF MINE: shaft

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Domestic shaft at East Lewiston (1894) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Beaver

QUADRANGLE(S): Columbiana

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Zion Valley

OPERATOR(S): J. F. Walter (1893-95) [2]

DATE OPENED OR EARLIEST SURVEY: 1893 DATE ABANDONED OR LAST SURVEY: 1895

TYPE OF MINE: slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 4 (1894 [2])

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Retail mine 1 1/2 mi N of Columbiana; J. F. Walter, Manager (1894) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Ellsworth

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Rose

OPERATOR(S): Thomas Rose [31]

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 [31]

SEAM ELEVATION: _____

SEAM THICKNESS: 3 1/2' [31]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [31: p. 794]

HAZARD POTENTIAL: _____

REMARKS: East part of Ellsworth Twp. [31].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Goshen, Sec. 29

QUADRANGLE(S): Damascus

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: _____

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: slope [56]

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [56]

SEAM ELEVATION: _____

SEAM THICKNESS: 2'0"-3'6" [56]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [56: file no. 2135]

HAZARD POTENTIAL: _____

REMARKS: 1/2 mi NE of Garfield [56].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Auld

OPERATOR(S): Robert Auld (1891-94, 1888) [2]

DATE OPENED OR EARLIEST SURVEY: 1888 DATE ABANDONED OR LAST SURVEY: 1894

TYPE OF MINE: drift

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Annual reports [2] indicate: retail mine at New Albany (1891); 3 mi north of Salem (1894) near the Godward mine (1892); idle (1888); near the Powe mine (1893) (same as Godward?).

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Dunn

OPERATOR(S): Salem Coal Co., leasee (1893); Homer Dunn (1890-92); Mrs. Dunn (1889); James Curfman (1888-89) [2]

DATE OPENED OR EARLIEST SURVEY: 1888 [2] DATE ABANDONED OR LAST SURVEY: 1893 [2]

TYPE OF MINE: shaft

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2], [24: p. 59]

HAZARD POTENTIAL: _____

REMARKS: Annual reports [2] indicate: retail shaft near Salem (1889); Homer Dunn, Supt. & Mine Boss (1891-92); abandoned (1893). Dunn's mine in Mather [24] same as this mine?

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
 TWP, SEC, LOT: Green
 QUADRANGLE(S): Salem
 UTM (CENTER OF MINE): _____
 DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____
 MINE NAME: Greenamyer (1891-1914) [2]

OPERATOR(S): Callahan Coal Co. (1912-14); J. J. Lippiatt (1909); Reese & Chapel Coal Co. (1908); Zimmerman & Orr (1902-07); J. B. McNab (1901); John Howells (1896-1900); Jas. Ashman (1895); John Howell (1894); Howells & Ashman (1891-94); Jas. Lippitt, leasee (1893)

DATE OPENED OR EARLIEST SURVEY: 1891 DATE ABANDONED OR LAST SURVEY: 1914

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 (1902) [2]

SEAM ELEVATION: _____

SEAM THICKNESS: 2 1/2-3' (1902); 3'3" (1912) [2]

COVER THICKNESS: 96' at shaft opening (1902); 98' (1906); 107' (1908-14) [2]

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
 (SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Annual reports [2] indicate: 1 mi E of Salem (1908), 2 mi E of Salem (1895), 2 1/2 mi E of Salem (1894); J. Ashman, Supt. & Mine Boss (1891); John Howells, Supt. (1892); James Lippitt, Supt. & Mine Boss (1893-94); George Orr, Supt. (1902-03); F. Zimmerman, Supt. (1904-05); F. Zimmerman, Supt. & Mine Boss (1906-07); Fred Reese, Supt. & Mine Boss (1908); J. J. Lippiatt, Supt. & Mine Boss (1909); H. W. Callahan, Supt., Frank Zimmerman, Mine Boss (1912-14).

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green, Sec. 26 (center)

QUADRANGLE(S): Salem

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Klink & Mellinger

OPERATOR(S): Klink & Mellinger

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Lower Kittanning No. 5 [20]

SEAM ELEVATION: 1170' [20]

SEAM THICKNESS: 2' [20]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [20: p. 30]

HAZARD POTENTIAL: _____

REMARKS:

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Walters

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 4 [27]

SEAM ELEVATION: _____

SEAM THICKNESS: 2 1/2' [27]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [27: p. 33]

HAZARD POTENTIAL: _____

REMARKS: At Washingtonville [27].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Green

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Whistler [27]

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coa

SEAM(S) OR BED(S) MINED: No. 4 [27]

SEAM ELEVATION: _____

SEAM THICKNESS: 2 1/2' [27]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [27: p. 33]

HAZARD POTENTIAL: _____

REMARKS: At Washingtonville [27].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Jackson

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Robbins

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 3 [31]

SEAM ELEVATION: _____

SEAM THICKNESS: 3 1/2-4' [31]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [31: p. 799]

HAZARD POTENTIAL: _____

REMARKS: On the farm of Frank Robbins in southwest part of Jackson Twp. [31].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Poland

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Mount Nebo

OPERATOR(S): Lowellville; Doan & Howells; John Kirk (1845); John Thomas
& William Jones; Elijah Stevenson (1828)

DATE OPENED OR EARLIEST SURVEY: 1828 [58] DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: _____

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [31: p. 804], [50: p. 19], [58: v. II, p. 132]

HAZARD POTENTIAL: _____

REMARKS: Near Lowell [50].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Smith

QUADRANGLE(S): Alliance

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Beloit

OPERATOR(S): Youngstown Paving Brick Co. (1894-1900); Alliance Labor Exchange, leasees (1897); Youngstown Paving Co. (1891-93); Zeigler & Sharer (1884-88) [2]

DATE OPENED OR EARLIEST SURVEY: 1884 DATE ABANDONED OR LAST SURVEY: 1900

TYPE OF MINE: shaft

COMMODITY MINED: coal & clay

SEAM(S) OR BED(S) MINED: No. 3A (1897); No. 3 (1898) [2]

SEAM ELEVATION: _____

SEAM THICKNESS: coal: 3' (1897 [2])

COVER THICKNESS: 60' at shaft opening (1897 [2])

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Annual reports [2] indicate: 1 1/2 mi NW of Beloit on the P FT W & C RR (1894); Wm. Nightingale, Mine Boss (1885-86); Wm. Wild, Mine Boss (1887); Frank Zeigler, Supt. (1888); Frank Barber; Supt. & Mine Boss (1891-92); Frank Barber, Supt., Thos. Ritchie, Mine Boss (1893-95); J. K. Englefritz, Supt., Leo Gedantez, Mine Boss (1895-96); Thos. Ritchie, Supt. & Mine Boss (1897-98); Lavoier Kinder, Supt., J. C. Evans, Mine Boss (1899); decided to start mining clay (1888); mining clay & coal (1891); buildings burned down (1892); abandoned (1900).

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: Youngstown

QUADRANGLE(S): Youngstown

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: New Witch Hazel (1893-95); Witch Hazel No. 2 (1890-91)

OPERATOR(S): Witch Hazel Coal Co. (1890-95)

DATE OPENED OR EARLIEST SURVEY: 1890 DATE ABANDONED OR LAST SURVEY: 1896

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Annual reports [2] indicate: W. P. Arms, Supt., David Jacobs, Mine Boss (1891-92, 1894-95); George Harrison, Supt. & Mine Boss (1893); near Kyle's Corners, 2 mi south of Youngstown (1895); drawing pillars (1895); abandoned (1896).

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning
TWP, SEC, LOT: _____
QUADRANGLE(S): _____
UTM (CENTER OF MINE): _____
DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____
MINE NAME: Jones-Mackey

OPERATOR(S): Jones-Mackey Coal Co. (1913-14) [2]

DATE OPENED OR EARLIEST SURVEY: 1913 DATE ABANDONED OR LAST SURVEY: 1914

TYPE OF MINE: shaft

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: Sharon No. 1 (1913 [2])

SEAM ELEVATION: _____

SEAM THICKNESS: 3' (1914 [2])

COVER THICKNESS: 130' at shaft opening (1913); 140' (1914) [2]

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Near Youngstown; Issac Jones, Supt. & Mine Boss (1913); mining had
 been suspended for a number of years (1913) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: _____

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Cyrus Paulin (1898, 1894-96) [2]

OPERATOR(S): Cyrus Paulin (1898, 1894-96) [2]

DATE OPENED OR EARLIEST SURVEY: 1894 DATE ABANDONED OR LAST SURVEY: 1898

TYPE OF MINE: shaft

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Annual reports [2] indicate: retail shaft 3 mi SW of Poland (1894);
Cyrus Paulin, Manager (1894); to be connected with the Little
mine; abandoned (1898).

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: _____

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Stone

OPERATOR(S): Stephen Stone (1891-94) [2]

DATE OPENED OR EARLIEST SURVEY: 1891 DATE ABANDONED OR LAST SURVEY: 1894

TYPE OF MINE: drift

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [2]

HAZARD POTENTIAL: _____

REMARKS: Retail mine near Salem (1891) [2].

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: _____

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Urmson

OPERATOR(S): Frank Urmson (1907) [2]

DATE OPENED OR EARLIEST SURVEY: 1907 DATE ABANDONED OR LAST SURVEY: 1907

TYPE OF MINE: slope

COMMODITY MINED: coal

SEAM(S) OR BED(S) MINED: No. 5 (1907) [2]

SEAM ELEVATION: _____

SEAM THICKNESS: 3' (1907) [2]

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA [2]
(SEE NUMBERED REFERENCE LIST): _____

HAZARD POTENTIAL: _____

REMARKS:

ABANDONED UNDERGROUND MINE DATA SHEET

COUNTY: Mahoning

TWP, SEC, LOT: _____

QUADRANGLE(S): _____

UTM (CENTER OF MINE): _____

DIV MINES MAP NO: _____ OGS MINE NO: _____ USBM DOCUMENT NO: _____

MINE NAME: Walworth

OPERATOR(S): _____

DATE OPENED OR EARLIEST SURVEY: _____ DATE ABANDONED OR LAST SURVEY: _____

TYPE OF MINE: shaft

COMMODITY MINED: _____

SEAM(S) OR BED(S) MINED: _____

SEAM ELEVATION: _____

SEAM THICKNESS: _____

COVER THICKNESS: _____

RELATION TO DRAINAGE: _____

SOURCE(S) OF DATA
(SEE NUMBERED REFERENCE LIST): [49: p. 419]

HAZARD POTENTIAL: _____

REMARKS: Proximate analysis [49].

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ERRATUM

UTM entry: the number 17 should be disregarded; the six-digit and seven-digit numbers are x and y coordinates for the Ohio Coordinate System (North Zone), and are not UTM designations.