

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY
Lawrence H. Wickstrom, Chief

Open-File Report 1941-1

The Sharon Coal Mines of Trumbull and Mahoning Counties

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Division of Geological Survey
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2011



Cover image: New Albany Coal Company tippel, New Albany, Ohio.

Recommended citation: Fuller, J.O., and Sturgeon, M.T., 1941 [2011], The Sharon coal mines of Trumbull and Mahoning counties: Ohio Department of Natural Resources, Division of Geological Survey Open-File Report 1941-1, 193 p., 5 working maps, 19 photos.

The Sharon Coal Mines of Trumbull and Mahoning Counties

Introduction

In the summer of 1941, just a few months before the attack on Pearl Harbor and the entry of the United States into World War II, two geologists with the Ohio Geological Survey began a field research project in northeastern Ohio to find industrial water supplies from abandoned underground mines. Quite possibly Wilber Stout, the State Geologist of Ohio at the time, knew that the United States might be drawn into the developing world war. With war looming on the horizon, the nation's industrial capacity would need to increase rapidly. In the steel manufacturing region of the Mahoning Valley, any increased steel manufacturing also would require new supplies of water. The two geologists, Dr. Osborn Fuller and Myron Sturgeon, spent the summer locating mine shafts associated with the Sharon coal and the Sharon conglomerate in northeastern Ohio and taking slide photos while in the field. At summer's end, the two geologists wrote a summary report of their field work and placed the report in archives of the Ohio Geological Survey library.

Today, the Survey continues its efforts to locate abandoned underground mines and this summary report is a useful document for identifying old mine locations. Recently while searching through our archives and library, we finally were able to locate this important reference. Because of the report's rich detail of information on the historical mines in northeastern Ohio, we felt the publication needed to be digitized and made available to the public.

Open-file report 1941-1, *The Sharon Coal Mines of Trumbull and Mahoning Counties*, is of historical significance for the mapping of abandoned underground mines throughout Ohio. During the summer of 1941, Fuller and Sturgeon visited the location of the **Foster No. 1 mine** shaft on Hylda Street in south Youngstown, Ohio. In the report Fuller and Sturgeon noted that the mine shaft was significant for several reasons, notably that the mine was the largest in the south part of Youngstown. The mine shaft also was historically significant during the Centennial Exposition of 1876 in Philadelphia, Pennsylvania. They learned that a block of sandstone that was removed from the shaft and exhibited in a contest at the Centennial Exposition won a gold medal for the best-looking block at the exhibit.

Fast forward to 1977 to an event at the location of the Foster No. 1 mine shaft. A homeowner had unknowingly built a garage on top of the preexisting concrete slab that sealed the mine shaft. The concrete slab collapsed. The owner's vehicle, parked in the garage, fell 115 feet down the mine shaft; the total depth of the mine shaft was of 232 feet (fig. 1). This event led to the realization that the abandoned underground mine locations needed to be mapped in detail to assist in preventing similar problems in the future. Because of this collapse, the Fuller and Sturgeon report was used as the initial framework for mapping abandoned underground mines in the area of Mahoning and Trumbull counties. This mapping was then extended throughout the rest of the state of Ohio, with initial release of abandoned underground mine maps in 1988¹. Today, the Survey continues to map abandoned underground mines and makes this information available to the public through both printed maps and an online, interactive mapping application, accessible via the Survey's Web site: www.OhioGeology.com.

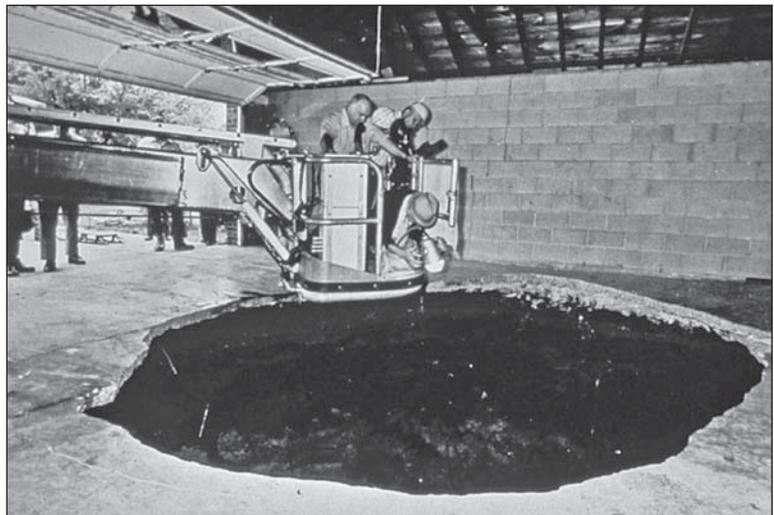


FIGURE 1.—Collapse of the mine shaft seal, Foster No. 1 mine, Youngstown, Ohio. Here a boom and bucket is used to aid in examining the collapsed mine shaft seal in the homeowner's garage. Photo courtesy of *The Vindicator*.

Open-file report 1941-1 has significance for both the public and the Ohio Geological Survey. The photos taken during that summer field season represent a snapshot in time before the United States entered World War II and can be used to show changes in the landscape over time. There are nineteen photographs showing abandoned underground mine shafts, gob piles, drains, and one working tippie. The report contains the descriptions and locations of 154 Sharon coal mines and six mine drains, including five 1:62,500-scale (15-minute) topographic maps that are used to show the locations of the abandoned underground mines and associated mine drains. The manuscript also contains hand-written notations by Wilber Stout, as well as hand-written notations by Horace "Buzz" Collins and Richard "Dick" DeLong in 1977 as they began the process of mapping the locations of abandoned underground mines in the Mahoning Valley. The maps, descriptions, and hand-written notes provide additional information that can be used to assist with accurately locating mines, mine subsidence investigations, and acid mine drainage remediation and with abandoned-mine land reclamation.

James McDonald
December 23, 2010

¹See DeLong, R.M., 1988, "Coal-mine subsidence in Ohio": Ohio Department of Natural Resources, Division of Geological Survey, *Ohio Geology*, Fall, p. 1-4.

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THE SHARON COAL MINES
OF
TRUMBULL AND MAHONING COUNTIES

by

J. Osborn Fuller and M. T. Sturgeon

Report of Summer Field Work

1941

[OHIO GEOLOGICAL SURVEY
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TABLE OF CONTENTS

Location
Scope
Summary

West Austintown

Section 1

Location

Mines

Water

(Mine records of)

- 8 Bowman slope
- 9 Lewis shaft
- 10 Owens (Haroff) slope
- 11 Ownes (Haroff) shaft
- 13 Chauncey Andrews slope
- 16 Cleveland shaft
- 160 Pennel shaft

Mineral Ridge - Ohlton

Section 2

Location

Mines

Water

(Mine records of)

- 1 Thornton shaft
- 5 Ohlton shaft
- 6 Essential shaft
- 7 Hood and Lynn slopes
- 14 Hanssen shaft
- 15 Blunt slope
- 18 Payne slope
- 19 New Found Out
- 20 Peacock shaft
- 21 Peacock slope
- 22 Ashland slope
- 23 Traveler's Rest
- 24 Morris and Price slope
- 25 Lewis slopes
- 26 Osborn slope
- 27 Tod and Wells shaft
- 28 Morris and Price shaft
- 31 McKinney shaft
- 32 Bowman slope
- 33 Campbell slope

Eastern Mineral Ridge

Section 3

Location

Mines

Water

(Mine records of)

- 29 Weathersfield shaft
- 30 Leadville shaft
- 34 Moherman shaft
- 35 Pikes Peak slope
- 110 Packard slope
- 156 Tod slope
- 157 Foulk slope
- 158 Idaho slope
- 159 Kimberley (Weathersfield) slope

Youngstown-West of Mill Creek

Section 4

Location

Mines

Water

(Mine records of)

- 103 Tippecanoe shaft
- 105 Manning shaft
- 106 Tom Tyrrell No. 3
- 107 Anchor shaft
- 108 Shields shaft
- 109 Reno slope
- 113 Milton Powers slope
- 114 Foster and Crane shaft

Youngstown-East of Mill Creek

Section 5

Location

Mines

Water

(Mine records of)

- 93 Foster No. 1 shaft
- 94 Kyle shaft
- 95 Logan or Palmer shaft
- 96 Foster No. 2 or Smith shaft
- 97 Osborn shaft
- 98 Wellendorf shaft
- 99 Unnamed (Earl St.) shaft
- 100 Brownlee shaft
- 101 Poland shaft
- 102 A. & W. Powers drift
- 104 A. & W. Powers shaft
- 111 McKinnie shaft
- 112 Thorn slope
- 129 Script Hill shaft

Youngstown - Brier Hill

Section 6

Location

Mines

Water

(Mine records of)

- 81 Witch Hazel shaft
- 92 Brier Hill slope
- 124 Tom Tyrrell shaft No. 1
- 125 Tom Tyrrell shaft No. 2
- 139 Philpot slope.

Youngstown - Crab Creek

Section 7

Location

Mines

Water

(Mine records of)

- 122 Wick Bros.
- 126 Madison Ave. School
- 127 Unnamed (Arrow St.)
- 130 Unnamed (Wood St. School)
- Wilkinson
- Crawford
- Thornton
- Wick at Lincoln

Youngstown - Thorn Hill

Section 8

Location

Mines

Water

(Mine records of)

- 115 Allen shaft
- 116 Allen slope
- 117 New Allen slope
- 118 Thorn Hill No. 2 slope
- 119 Cork and Bottle slope
- 120 Thorn Hill No. 1 slope
- 121 Welch shaft
- 128 Hogg slope

Churchill**Section 9**

Location

Mines

Water

(Mine records of)

- 57 Pinch Along shaft
- 58 Sodom slope
- 80 Paris or Cedar Corners slope
- 82 Campbell or Churchill shaft
- 83 High Tone shaft
- 84 Punkin shaft
- 85 Hood slope
- 86 Centennial shaft
- 87 Kline slope
- 88 Churchill slope
- 89 Niles shaft
- 90 Walp or Foraker No. 1 shaft
- 91 Goldie or Foraker No. 2 shaft
- 123 Powers or Tod House slope

Hubbard**Section 10**

Location

Mines

Water

(Mine records of)

- 131 Charley Herbert slope
- 132 Jenny Wheel slope
- 133 Dan Smith slope
- 134 Middle slope
- 135 Chauncey Andrews slope
- 136 P. Jacobs and Sons No. 1 shaft
- 137 P. Jacobs and Sons No. 3 shaft
- 138 Billy Bird slope
- 140 Ab Lane slope
- 141 P. Jacobs and Sons No. 2 shaft
- 142 Veach and Burnett slope
- 143 Panic shaft
- 144 Reese Charles slope
- 145 Brisbane slope
- 153 Clingan shaft
- 154 Clingan drain

Vienna - Coalburg

Section 11

Location

Mines

Water

(Mine records of)

- 36 Ganow shaft
- 37 Shoo Fly slope
- 38 Cork and Bottle slope
- 39 Vienna No. 1 shaft
- 40 Stewart shaft
- 41 Ragweed shaft
- 42 Carlton shaft
- 43 Brunswick shaft
- 44 Holliday slope
- 45 Barber shaft
- 46 Moore slope
- 47 Corn Cob slope
- 48 Blue Ribbon shaft
- 49 George Chamberlin shaft
- 50 Rogers shaft
- 51 McClurg shaft
- 52 Blackberry shaft
- 53 Shady Side shaft
- 54 Strip and at It shaft
- 55 Scovill shaft
- 56 Klondike shaft
- 59 Garfield shaft
- 60 Chinee shaft
- 61 Hasson shaft
- 62 Stewart slope
- 63 Mahoning Coal Co. No. 4 slope
- 64 California slope
- 65 Mahoning Coal Co. No. 3 slope
- 66 Mahoning Coal Co. No. 8 slope
- 67 Drake slope
- 69 Mahoning Coal Co. No. 9 slope
- 70 Mahoning Coal Co. No. 1 slope

Little Yankee Creek

Section 12

Location

Mines

Water

(Mine records of)

- 71 Long slope
- 72 Klink slope
- 73 Brass and Wire slope
- 74 Cleveland shaft
- 75 Brookfield slope
- 76 Brookfield drain
- 77 Lane slope
- 78 Applegate slope
- 79 Cramer No. 3. slope
- 146 Cramer No. 2 slope
- 147 Eureka slope
- 148 Adams
- 149 Cramer No. 1 slope
- 150 Cramer drain

Sharon

Section 13

Location

Mines

Water

(Mine records of)

- 151 Curtis No. 1
- 152 Curtis No. 2

SHARON COAL MINES OF TRUMBULL AND MAHONING COUNTIES

Location

Trumbull and Mahoning counties lie along the Ohio- Pennsylvania line in northeastern Ohio. They are well populated sections of the state containing the cities of Youngstown, Warren, Niles, and Hubbard; and many small towns. This investigation was designed to gather field data which might serve to solve some of the water problems of the area. The region was once the center of extensive coal mining operations utilizing the Sharon or No. 1 coal. Many of these mines contain sufficient water to be of value to municipalities and industrial concerns.

Sharon coal mines are present in the following townships:

Trumbull County

1. Brookfield
2. Hubbard
3. Liberty
4. Vienna
5. Weathersfield

Mahoning County

1. Austintown
2. Boardman
3. Canfield
4. Coltsville
5. Poland
6. Youngstown

The Kinsman, Warren, and Youngstown topographic maps include all the Sharon coal mines located in these two counties.

Scope

The names and locations of all important Sharon coal mines were determined and the locations were marked by symbols and numbers on the topographic base maps. A key giving the numbers and the names of the mines was put on the margin of these maps. The elevation

of each mine was determined as accurately as possible from the topographic map. Information on the water as related to the mines was gathered from old miners and residents, as well as much additional information regarding the coal, the history and operation of the mines, and the geology in general. A summary data sheet was compiled for each mine. Since the mines are not uniformly distributed over the area but occur in groups, these groups have been maintained in discussion of the water conditions in the mines.

Summary

One hundred and fifty-four Sharon mines and six mine drains have been located and marked on the topographic maps. The exact location of many of the mines was determined with difficulty because the mine openings have been filled, or the waste dumps have been hauled away, or streets and buildings have been built on the mine sites. A few mines are still open and 3 are in operation at present. Many of the mines contain water as indicated by reliable oral reports, open mines filled with water, mine drains, and utilization of the water. Mine water is used at present by the cities of MacDonald, Girard, and Hubbard and by a number of industrial plants of the area. Many domestic wells also draw their water from the old mine workings. It is reported that many of the mines are connected underground and that extensive bodies of water exist in these underground reservoirs in the vicinity of Mineral Ridge, Youngstown, Churchill, Hubbard, and Vienna. Very little exact information is available concerning the amount of water that flows daily from each mine.

The mine groupings for discussion are as follows:

1. West Austintown
2. Mineral Ridge-Ohlton
3. Eastern Mineral Ridge
4. Youngstown- West of Mill Creek
5. Youngstown - East of Mill Creek
6. Youngstown - Brier Hill
7. Youngstown - Crab Creek
8. Youngstown - Thorn Hill
9. Churchill
- 10 Hubbard
- 11 Vienna - Coalburg
- 12 Little Yankee Creek
- 13 Sharon

1. WEST AUSTINTOWN

Location

The West Austintown area includes the mines in the vicinity of West Austintown. It is bounded on the west by Meander Creek Reservoir, on the south by the east-west road south of the Mahoning County Infirmary, on the east by the Austintown-Canfield road, and on the north by an imaginary line running east-west 1/2 a mile north of the West Austintown-Austintown road. This group of mines may have worked the southern underground extension of the Mineral Ridge-Ohlton coal field or may have been in an independent basin.

Mines

- 8.* Bowman slope - large mine.
- 9. Lewis shaft - much water while operating.
- 10. Owens (Haroff) slope - 25 to 30 acres worked out.
- 11. Owens (Haroff) shaft - worked several years .
- 13. Chauncey Andrews slope - large mine.
- 16. Cleveland shaft - last large mine to operate in region.
- 160. Pennel shaft - large mine.

Water

All of these mines contain water and there is apparently a fairly large supply available in this area. The Owens shaft was abandoned because of flooding by water from the abandoned Chauncey Andrews slope and ,therefore, there is a continuous body of water in these two mines. The Pennel shaft is only a tenth of a mile northeast of the Andrews slope and it is probably connected underground with it although there is nothing definite known of water in the Pennel. About 120 feet east and a little north of the Andrews slope there is an open air shaft filled with clear water to within 15 feet of the surface and water is reported to flow into the creek nearby from this shaft. While operating, the Chauncey

* These numbers are the numbers found on the maps.

Andrews was kept dry by a pumping station at a shaft, (2 on the map), south of the Austintown road.

The Bowman slope formerly had a drain into a small stream which flows into the Meander Creek Reservoir but this has dried up. The Owens slope, however, still has a series of seeps along a valley which flows into the Reservoir. The largest of these is $1\frac{1}{2}$ " in size but there are many others so that the total amount of water is several times this. The Lewis workings have been penetrated by a well in which the water rose 26 feet above the coal. A drilled well about $\frac{1}{4}$ mile east from the Cleveland shaft spouted a stream of water 7' into the air until the wells at the County Home were drilled. After this the stream still flowed but not as abundantly. Another drilled well northeast of the Cleveland has water rising within 60' of the surface in a 100' hole.

MINE RECORD

Name Bowman Co. Mahoning Twsp. Austintown
Shaft _____ Slope x Sec. _____ Farm Bowman
Depth About 15' to coal Elevation 925'
Abandoned x Open _____ Filled Covered with
Operating _____ brick.

EXTENT OF OPERATION--

Albert Dorman said that the old Bowman slope worked in 1916 on the coal which was 42" thick. To the south was the Anderson slope which worked the same coal but only 38" thick in 1917. The Anderson slope is in the Meander reserve now and could not be seen.

Record:--

About 15' to coal
Coal about 3½' thick. Not block.

Remarks:--

Slope at the bottom of the hill which was covered some years ago with a brick capping by the Highway department. Pipe in small stream to drain the slope. Water flowed from this pipe until a year ago according to Mrs. Bowman.

Source of information --

C.I. Crum
Mrs. Bowman
Albert Dorman

Recorder J.O. Fuller & M.T. SturgeonDate July 16, 1941

MINE RECORD

Name Lewis Coal Co.

Co. Mahoning Twsp. Austintown

Shaft x Slope _____

Sec. _____ Farm Now Ed. Boyer

Depth About 80'

Elevation 985'

Abandoned x

Open _____ Filled with rubbish.

Operating _____

EXTENT OF OPERATION--

Record:--

Well at Boyer house.
20' Mantle
61' Shale
Coal



[Click to enlarge](#)

This record probably not reliable. It was given to us by Ed. Boyer who was a painter; talkative and not too accurate in his ideas.

Remarks:--

The well is drilled right at the back of Boyer's house and goes 81' to the workings. When it struck the workings the water rose 26' in the well. It has a slight sulphur taste but has been approved by Columbus for domestic use.

Source of information --

Ed. Boyer

Recorder J.O. Fuller & M.T. Sturgeon

Date July 16, 1941

MINE RECORD

Name Owens Slope
Haroff Coal Co.

Co. Mahoning Twsp. Austintown

Shaft _____ Slope x
Down vertically 112'
Depth Down slope 310'

Sec. _____ Farm 1200'

Elevation 1000'

Abandoned x

Open _____ Filled with caved dirt.

Operating _____

EXTENT OF OPERATION--

25 to 30 acres taken out. They used to lead 100 cars of 20 ton cars a day. One entry ran south 1 mile to Stony Ridge, one $\frac{1}{2}$ mile west to Meander and one east about 1000' until they hit a horseback. Shut down over 40 years ago.

Record:--

No Massillon (Newberry Vol III p 723)

Block coal 4 $\frac{1}{2}$ ' to 5'

Remarks:--

After hitting the horseback to the east in the Owens Slope they went about $\frac{1}{2}$ mile northeast and sank the Owens shaft which operated about 2 years. About 2000' W.N.W. is an air shaft which 10 years ago had 35' of water in it according to Crum. East of this air shaft and down the hill toward Meander Creek there was a spring.

Location same as D/M # 11

Source of information --

C. I. Crum

Recorder J. O. Fuller & M. T. Sturgeon

Date July 16, 1941

MINE RECORD

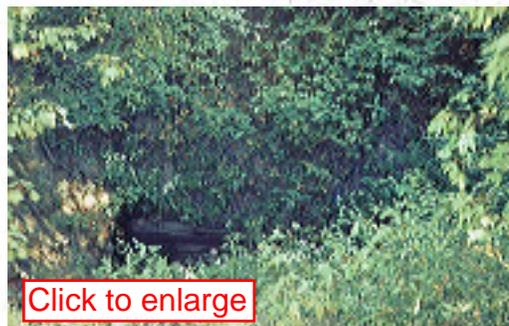
Name Owens shaft Co. Mahoning Twsp. Austintown
 Shaft x Slope _____
 Depth 172' ? Elevation 1060'
 Abandoned x Open x Filled with water
 Operating _____

EXTENT OF OPERATION--

Worked 2 years they struck workings of Chauncy Andrews and were drowned out.

Record:--

25' to cribbing
 15' cribbing
 20' sandstone to water
 22' black shale
 coal



[Click to enlarge](#)

Remarks:--

Chauncy Andrews in his operation to the north went 1000' south of the road which 1000' beyond that which he had leased. When this operation of his was completed the mine filled with water. The Owens shaft struck these working under land they had leased and the in flow of water practically drowned several men. This put a stop to the operation.
 Shaft about 9' x 18'.

Source of information --

C. I. Crum

Recorder J.O.Fuller & M.T. SturgeonDate July 16, 1941

MINE RECORD

Name Chauncey Andrews Co. Mahoning Twsp. Austintown
 Shaft _____ Slope X
 Depth 150' vertically down
300' On slope (Schissler) Elevation 1020'
 Abandoned X Open _____ Filled with cans and water.
 Operating _____

EXTENT OF OPERATION--

Worked out and this stopped operation.

Record:--

(Schissler)

Sandstone	?
Black shale	22'
Block coal	2½' to 5'
Black band ore; slight amount as you go toward Mineral Ridge.	
Wide-a-wake (mixture of ore and coal)	

Remarks:--

No ore (Black band) on the south side of the Austintown road according to Schissler. This may be one of the few reliable statements made to us by Schissler. Apparently it is black boney instead of black band and wide-a-wake.

Albert Dorman showed us the pump shaft for the Chauncey Andrews. The coal in the Chauncey Andrews dipped to the southeast toward this pumping station. This shaft is south of the main shaft and south of the road and Creek.

Material labeled with Madison Schissler's name is to be questioned for he was very forgetfull and confused in his ideas.

Possibly same mine labeled "Shaft Anderson Coal Co" shown on Pennell Mine Map, D/M #1

Source of information --
 C.I. Crum
 Madison Schissler

Recorder J.O. Fuller & M.T. Sturgeon

Date July 17, 1941

MINE RECORD

Name Cleveland Co. Mahoning Twsp. Canfield
 Shaft x Slope _____
 Depth 60' Elevation 1045'
 Abandoned x Open _____ with brush and
 Operating _____ Filled old timbers.

EXTENT OF OPERATION--

Hasn't been worked for 30 to 35 years
 Coal hauled to Infirmary and shipped out by rail.

Record:--

Coal 36"

Remarks:--

Last large mine to operate in the region (C.I.Crum)
 Pile of dump of small size with no evidence of burned material. NW.
 of here in wood is old Turner slope which operated after the Cleveland
 shaft shut down and stopped when old man Turner died. It was not
 a large operation. South of Sam Poplacain's farm house but on his land
 a hole was drilled and it spouted 7' of water in the air when it was
 first brought in. When they drilled several wells at the County Home
 to the south this well ran less abundantly. It still flows, however.
 Yeager's well to the NW. is 100' deep and went through 30' clay, 14'
 quicksand, and then white sandstone to the bottom. The water rose
 to within 60' of the surface. In the clay at the surface selenite
 crystals were found, when Yeager dug a shallow well.
 There are several drilled wells in the region.

Source of information --

Sam Poplacain
 Yeager

Recorder J.O.Fuller & M.T.Sturgeon

Date July 19, 1941

MINE RECORD

Name Pennel

Co. Mahoning Twsp. Austintown

Sec. _____ Formerly Pennel
Farm now Jordan

Shaft x Slope _____

Elevation 1015'

Depth _____

Abandoned x

Open _____ Filled with dirt and rubbish.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Large dump consisting of shale, sandstone and some conglomerate.
Dump partly burned and partly hauled away.

Same location as D/M #1

Source of information --

C.I. Crum
od Jordan

Recorded M. T. Sturgeon

Date Sept. 8, 1941

2. MINERAL RIDGE - OHLTON

Location

This area is bounded on the west by Meander Creek and on the east by the artificial boundary of the eastern edge of the Warren Quadrangle. The southern boundary is the imaginary line $\frac{1}{2}$ mile north of the West Austintown road, i.e. the northern boundary of the West Austintown area, and the northern boundary is the Mahoning River.

Mines

1. Thornton shaft - large mine.
5. Ohlton shaft - large mine
6. Essential shaft - about 2 acres mined, 1 year.
7. Hood & Lynn slopes - small operations
14. Hanssen shaft - small
15. Blunt slope - large mine, helps drain Ridge.
18. Payne slope - large mine.
19. New Found Out - size unknown.
20. Peacock shaft - large mine
21. Peacock slope - large mine.
22. Ashland slope - large mine.
23. Traveller's Rest - probably large.
24. Morris and Price slope - large.
25. Lewis slopes - oldest mines, near active drain.
26. Osborn slope - pillar robbing operation.
27. Tod and Wells shaft - large.
28. Morris and Price shaft - large.
31. McKinney shaft - probably large.
32. Bowman slope - large
33. Campbell slope - small

Water

Probably all the mines in the Mineral Ridge - Ohlton area on the Sharon or No. 1 coal contain water. These mines were extensive operations and most of them are connected underground. Therefore, there is a large body of water in the area. Sam Jones, an old miner on the Ridge, says that the water is about 45' below the surface. However, the large reservoir is in part polluted by sewage from Mineral Ridge.

Available sources of information indicate that the water in the mines drains in several directions and this type of grouping will be used in the discussion. At the north end of the Ridge the Payne and New Found Out drain toward the north and northwest. The amount of water is unknown in these workings. The Traveller's Rest on the northwest side of the Ridge drains to the northwest but it is not known if the workings are connected with other operations on the Ridge. A large group of mines that are connected, have an outlet near the old Lewis slopes as a bubbling spring. This outlet was formed in the Osborn slope by tunneling to the west until the water broke through to the surface. These mines with known connections are:

21. Peacock slope
22. Ashland slope
24. Morris and Price slope
25. Lewis slopes
26. Osborn slope
27. Tod and Wells shaft
28. Morris and Price shaft

Presumably the Peacock shaft and the Blunt slope were also connected underground with these mines, although the Blunt has an outlet of its own. Sam Jones, a miner who has worked in many of the openings on the Ridge, thinks that there are connections underground from the Peacock slope southwest 2 miles to the Thornton shaft. The Thornton is reported to drain to the northwest.

There are several other mines whose drainage appears to be independent. The amount of water and outlets to the Bowman and Campbell slopes extending to the southwest are unknown. The McKinney shaft has a small drain to the northwest along the creek. Near the Ohlton there is a well penetrating to the workings at a depth of 82' in which the water rises 50'. The Essential Coal mine is a small operation in which the water rises to within 60' of the surface. Other operations in the area are too small to

be of any importance in the water problem.

MINE RECORD

Name Thornton

Co. Mahoning Twsp. Anstintown

Formerly Watson

Sec. _____ Farm now C. Welsh

Shaft x Slope _____

Depth 110' to 115'

Elevation 1014'

Abandoned about 50 yrs ago.

Open _____ Filled x

Operating _____

EXTENT OF OPERATION--

Record:--

- Sandstone (occasionally shale roof)
- Coal 2' to 3½'
- Black band ore 8" to 12"
- Block coal (local sometimes between shale and sandstone) 12"
- Widewake (much like black band ore but worthless) thin

Remarks:--

From the surface down to the coal in most of this Ohlton area the rock is sandstone. There are some beds of shale and occasionally this is the roof for the coal. Coal is definitely variable in elevation in 50 yards it may have a rise of 30 feet. Thickness usually varied with this change of elevation but sometimes it was maintained. Mine drained to the northwest. Air shaft located on the other side of the road (East).
 The coal was taken out first and then the ore was wedged up and taken out to the dump where it was burned directly. If the mixture called Black Band did not contain enough coal originally some was left attached to it so the ore could be burned directly. After burning the ore was shipped to Youngstown and Niles furnaces in a partially fused mass.

Source of information --
 Charles Baines on Route
 46 just north of Orrs
 Corners Silica Quarry Rd.

Recorder J.O. Fuller & M.T. Sturgeon

Date July 15, 1941

MINE RECORD

Name Ohlton
Harris Massey & Co.

Co. Mahoning Twsp. Austintown

Sec. _____ Farm Now Joe Mihako

Shaft x Slope _____

Depth _____

Elevation 1005'

Abandoned x

Open _____ Filled with water and debris.

Operating _____

EXTENT OF OPERATION--

Record:--

Holmes drilled well

Mantle	thin
Sandstone	30' about
Coal	13"
Fire clay	thin
Sandstone	51' about
Coal No 1.	bottom of well



Same location as D/M 25, 10 and 44

Remarks:--

On farm of F. S. Holmes a well was drilled directly south of the mine which went 82' to the old workings. The water rose 50' in the drill hole and is now being used for domestic purposes. See record above which is only approximate.

Holmes personally dug a small mine to the upper coal at a point south of the Ohlton and near his greenhouse. Coal at a depth of 20'. On the East side of the R.R. and almost east of this operation there is another small shaft to this upper coal which is 62' to coal. Thus there is a drop in the upper coal of about 30' in 500' along the surface or 6' in a 100'. The 62' shaft is still open and has no water in it. Presumably the water has drained to the lower level. Holmes says that water drained into his mine and after standing awhile it would suddenly drain out. Holmes in his operation took out about 1/2 acre of coal before striking a horseback and unsuccessfully digging through 40' of sandstone. Upper coal averaged 2'.

F&S #47 ->

Source of information

Recorder J. O. Fuller & M.T. Sturgeon
Date July 15, 1941

F. S. Holmes.

MINE RECORD

Name Essential Coal Co. Co. Mahoning Twsp. Austintown
 Shaft x Slope _____
 Depth 114' Elevation 1032'
 Abandoned x Open x Filled with water
 Operating _____

EXTENT OF OPERATION---

Took out about 2 acres but too much bone to be very successful
 Worked about a year.

Record:--

Till	10'	
Cribbing	10'	
Sandstone	40'	
Coal	42"	
Sandstone	50' about	
Coal No. 1	3' to 7'	Called Mahoning Block
Black Band ore	5" to 6"	

Remarks:--

Still a good open shaft about 60' down to the water. Water is dripping into side of the shaft from below the cribbing down to the water level. The rock visible is sandstone below the cribbing. Shaft is about 18' x 9'.
 The area in the mine where there was a 7' coal vein was left intact so that visitors could see it and be persuaded to invest in the company. The coal beyond the large room with the 7' vein was boney. Many people were taken in by the company and it is a sore spot in the town today.

Source of information --

C.I. Crum
 Albert Dorman

Recorder J. O. Fuller & M.T. Sturgeon

Date July 16, 1941

2

MINE RECORD

Name Blunt Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope x Sec. _____ Farm Davey Harris now Knight
 Depth _____ Crops out in creek. Elevation 955'
 Abandoned x Slope partly slumped in, air shaft
 Operating _____ Open ~~open and filled~~ Filled _____
 with water.

EXTENT OF OPERATION--

Sandy shale above the slope opening 22'
 Coal crops out in creek but is badly weathered.

Record:--

Sandy shale above the slope opening 22'
 Coal crops out in creek but is badly weathered.

Remarks:--

Immediately south of the slope is an air shaft which is filled with water. This helps drain the Ridge, into what is locally known as Sulphur creek. One time the creek broke in and flooded the mine. Ordinarily the water does not drain from the air shaft unless there is lots of rain. On the Davis farm now owned by Knight and originally by Davey Harris. Just north of here Mr. Knight made several small openings (shafts) during the depression none of which were very successful.

Some location as D/M #6 Trumbull & D/M 39 Mahoning

Source of information --
 Sam Jones
 Knight's son

Recorder J. O. Fuller & M. T. Sturgeon

Date July 18, 1941

MINE RECORD

Name Payne Co. Trumbull Twsp. Weathersfield
Formerly Gallegher
Sec. _____ Farm later Harrison

Shaft _____ Slope X

Depth Coal outcrops at strip
but slope is at top of hill Elevation 980' to 1000'

Abandoned X

Open _____ Filled with dirt

Operating Stripped recently

EXTENT OF OPERATION--

Closed 100 years ago

Record:--

To the west of the Paine slope a small area has been stripped recently and in so doing they uncovered old workings of the Paine.

At the stripping operation the following was observed.

- Glacial till 1'
- Flaty sandstone 10'
- Coal 5'
- White sandstone covered at base.

Remarks:--

Water drains north.

Source of information --

Sam Jones

Recorder J.O. Fuller & M.T. Sturgeon

Date July 18, 1941

2

MINE RECORD

Name New Found Out Co. Trumbull Twsp. Weathersfield
Shaft _____ Slope x Sec. _____ Farm Gallegher
Depth _____ Elevation 1030'
Abandoned _____ Open _____ Filled with dirt
Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Small operations being opened adjacent to the old workings and some coal is taken out nowadays.

Source of information --

Sam Jones

Recorder J.O. Fuller & M.T. SturgeonDate July 18, 1941

MINE RECORD

Name Peacock shaft Co. Trumbull Twsp. Weathersfield
 Shaft 90' Slope _____
 Depth About 90' Elevation 1045'
 Abandoned _____
 Operating _____ Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

This shaft is near the Morris farm and to the east is an air shaft.

Source of information --
Sam Jones

Recorder J.O.Fuller & M.T. Sturgeon
Date July 18, 1941

2

MINE RECORD

Name Peacock slope Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope 200 yards Sec. _____ Farm _____
 Depth vertically about 130' Elevation 1025'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--Record:--

These old mines connect underground. Sam Jones went from the

Remarks:--

These old mines connect underground. Sam Jones went from the Morris and Price shaft when the cable broke in the shaft cage to the Peacock slope in order to get out. He thinks you could go to the Thornton mine if there was no water in the workings.

Source of information --
 Sam Jones

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 18, 1941

2

MINE RECORD

Name Ashland Co. Trumbull Twsp. Weathersfield
Warner & Co.
 Shaft _____ Slope x
 Depth 60' Elevation 1015'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

This mine drained into the Osborn. The coal is dipping to the west and the water flows to the west.

In the southeast corner of this cross-road there were old iron furnaces at one time. Now only slag dumps are left.

Same location as D/M #6

Source of information --
 Sam Jones

Recorder J.O. Fuller & M.T. SturgeonDate July 18, 1941

2

MINE RECORD

Name Lewis slopes (2) Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope x Sec. _____ Farm _____
 Depth _____ Elevation 960'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:-- By U.S. G.S
June 8-1943 party Tripp,
width 3.4 area 1.75 vol. 0.32 Discharge 0.57 c.f.s,



4.26 gal. per sec
2 55.6 " " min
15 3 36, " " hour

Remarks:--

Here was where coal was first discovered at Mineral Ridge on this side of the Ridge.
 The slopes are covered now but it is near them that the active drain for the Ridge is found as a bubbling spring.

Source of information --

Sam Jones

Recorder J.O.Fuller & M.T.SturgeonDate July 18, 1941

2

MINE RECORD

Name Osborn slope Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope x Sec. _____ Farm David Harris now Knight.
 Depth About 25' Elevation 980'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Connects with the other mines for it was designed to rob the pillars of the other mines. One of the last to operate in the region. Water runs out to the west near the old Lewis mines in a bubbling spring.

Record:--Remarks:--

Water runs out to the west near the old Lewis slopes in a bubbling spring.
 A drain was dug in the mine until it broke through by itself to form this spring.

Same location as D/M # 6

Source of information --
 Sam Jones

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 18, 1941

MINE RECORDName Tod & WellsCo. Mahoning Twsp. AustintownShaft x Slope _____

Sec. _____ Farm _____

Depth 120' to coalElevation 1020'Abandoned xOpen _____ Filled with trash

Operating _____

EXTENT OF OPERATION--

Record:--


[Click to enlarge](#)

Remarks:--

This was a double shaft. When it was sunk the coal was found to dip away from the shaft and the operations filled with water. To counteract this condition they made a sump at the base of the shaft which necessitated taking 18' of material below the coal.

Same location as D/M #6 Trumbull & #39 Mahoning, Austin shaft

Source of information --

Sam Jones-just south of
Post Office, Mineral Ridge

Recorder J.O. Fuller & M.T. SturgeonDate July 18, 1941

MINE RECORD

Name Morris and Price Shaft

Co. Trumbull Twsp. Weathersfield

Shaft x Slope _____

Sec. _____ Farm _____

Depth 140' to coal

Elevation 1 015'

Abandoned x

Open _____ Filled with dirt.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Run by W. T. Williams who also ran the Weathersfield shaft.

Same location as D/M #6 Trumbull + D/M 39 Mahoning Cambria Sh

Source of information --

Sam Jones

Recorder J.O. Fuller & M.T. Sturgeon

Date July 18, 1941

MINE RECORD

Name Mc Kinney Co. Mahoning Twsp. Austintown
 Shaft x Slope _____
 Depth _____ Elevation 1010'
 Abandoned x Open _____ Filled x
 Operating _____

EXTENT OF OPERATION--

Record:--



Remarks:--

Pa. rock with plant fossils outcrops along the stream to the NW. This outcrop shows a platy thin-bedded sandstone overlain by a massive cross-bedded sandstone with plant fossils. Down stream about 200' from the shaft and to the NW. of the shaft there is a small stream of iron-stained water issuing from the undercut slope which apparently drains some of the old workings. No depth known but the shaft must have gone 25' to the coal according to the outcrops along the stream and if there is no roll on the coal down to the small shaft being opened by the Turk Hansun it is about 50' to the coal.

This mine is at same location of Tibbits shaft D/M 39

Source of information --

Recorder J.O.Fuller & M.T.Sturgeon

Date July 19/ 1941

MINE RECORD

Name Bowman Co. Mahoning Twsp. Austintown
 Shaft _____ Slope x Sec. _____ Farm _____
 Depth outcrop Elevation 965'
 Abandoned x Open partially caved Filled _____
 Operating _____

EXTENT OF OPERATION--Record:--

In valley between Bowman slope and the mule opening Hansum, the Turk, has dug a small shaft which they hope to operate this winter. We measured a section in this shaft.

- 6' of glacial till with only a few pebbles.
- 9' of blue arenaceous shale becoming more sandy in depth.
- 26" of coal. Apparently they had struck the old workings and at this time the complete thickness of the coal couldn't be measured, because the opening at this bottom was too small.

Remarks:--

valley

On the west side of the hill is the Bowman slope which operated west into the hill. On the east side of the valley is the unnamed slope where they brought the mules out of the Tod & Wells. However, it communicates with many of the mines on the ridge. At the Bowman slope several entries were observed. At one place the shale above the coal strikes N 22° e and dips 19° SE. Part of this dip may be due to slumping of the hill which is undermined but there is a definite dip to the SE of the coal in this area. Back of the shack and to the west the coal is near the top of the hill and is 2'10" thick. Further SE the coal has 15½' of shale visible on it and in the valley the 15' section described above is found. These indicate a strong dip to the SE.

Source of information --

Sam Jones

Recorder J.O. Fuller & M.T. SturgeonDate July 17, 1941

MINE RECORD

Name Campbell

Co. Mahoning Twsp. Austintown

Shaft _____ Slope x

Sec. _____ Farm now Ray Geiger

Depth _____

Elevation 970'

Abandoned x

Open _____ Filled x

Operating _____

EXTENT OF OPERATION--

Operated 40 years ago.

Record:--

Remarks:--

Slope to the SE.

Just NW of slope on the county line is an outcrop of white medium to coarse sandstone with brown iron stains and occasionally pebbles of round quartz. This is the Sharon as mapped by Lamb. Near here (to E) is a spring which never goes dry. It is apparently a contact spring at the base of the conglomerate.

Source of information --
Ray Geiger

Recorder J.O.Fuller & M.T.Sturgeon

Date July 18, 1941

2

MINE RECORD

Name Traveler's Rest Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope X Sec. _____ Farm Jimmie Stewart
 Depth _____ Elevation 1000'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Spring is located at the foot of the slope below the mine but is clear water and does not appear to be mine water. The spring does not appear to be very strong but it is reported to flow at all times. There used to be a drain from the Traveler's Rest but Sam Jones was unable to find it for us.

Source of information --

Sam Jones

Recorder J.O.Fuller & M.T. SturgeonDate July, 18, 1941

MINE RECORD

Name Morris & Price Slope Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope X Sec. _____ Farm Blunt
 Depth 90' vertically Elevation 1012'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Connected with Morris & Price's Shaft

Record:--

Remarks:--

Location same as 2/m #6

Source of information --

Sam Jones

Recorder J.O. Fuller & M.T. Sturgeon

Date July 18, 1941

3. EASTERN MINERAL RIDGE

Location

The mines here grouped as the Eastern Mineral Ridge lie on the eastern slope of the same high ground as those discussed in the Mineral Ridge - Ohlton area. The separation of these groups is based on two things. First, the mine openings fall into two areas, and second, the drainage is entirely different in direction. Underground, however, these areas may be working the same coal basin. The boundaries of this area are; on the north and east the Mahoning River; on the west the western edge of the Youngstown Quadrangle; and on the south the Perkins Corners-Youngstown Road.

Mines

- | | | |
|------|---------------------------------|-----------------------------------|
| 29. | Weathersfield shaft | - large, industrial & city water. |
| 30. | Leadville shaft | - large, trouble with water. |
| 34. | Moherman shaft | - small |
| 35. | Pikes Peak slope | - large, water difficulties. |
| 110. | Packard slope | - large |
| 156. | Tod slope | - medium sized. |
| 157. | Foulk slope | - large ? |
| 158. | Idaho slope | - large ? |
| 159. | Kimberley (Weathersfield) slope | - large. |

Water

This area seems to be very favorable for the development of water reserves. The Carnegie Illinois Steel Corporation has utilized the Weathersfield shaft for water in the plant and town. This venture is a good example of what can be done with mine water of this area and, therefore, will be discussed in some detail.

In 1922 the Carnegie Illinois Steel Corporation felt the need of a good water supply. After some investigation they went to what was then the Watson farm where there was an old coal mine known as the Weathersfield shaft. A well was drilled a little

east of the shaft opening which penetrated 156 feet to water level and continued on to 182 feet where it broke into the mine workings. The floor of the mine was 9 feet below this roof. The working barrel was attached at 182 feet after reaming a 5 foot hole in the floor of the mine to catch the barrel if the mine water corroded the connection. Several times they lost the barrel and once they failed to recover it. For awhile they used a double action rod type pump but 4 or 5 years ago centrifical Pamona Pumps were installed in separate holes. These pumps are used alternately and have not broken down since installation. Another hole was drilled to be able to keep a record of the water level fluctuation and the old shaft opening was sealed. The pumping station pumps 18 hours a day and supplies the purifying plant with 400,000 gallons a day.

Purification consists of aeration, softening, and filtration. The procedure used is simple and apparently very effective. The water coming in from the mine is aerated first over a simple riffle-like aerator. Aeration frees CO_2 gas which has been generated underground. The raw water contains from 120 to 130 parts per million of CO_2 which is reduced to 5 or 7 parts per million. This procedure makes it possible to use much less lime for softening in the next step for while the gas is present the iron doesn't precipitate readily. The aerated water collects and then $5\frac{1}{2}$ grains of lime is added mechanically from a hose to each gallon of water. This precipitates the bicarbonates. The water is split and enters 2 agitating basins. In each tank 16 propellar blades agitate the water and mix the lime with the water. About 24,000 gallons enter each tank per hour. After agitation the water from each agitator

goes to a separate settling basin of 100,000 gallons capacity. The water moves slowly through this basin and in about $4\frac{1}{2}$ hours comes out the other end minus part of the lime and iron. The water is then taken to separate filter beds and filtered through 57" of sand and gravel. About 200 gallons per minute flows through both filters and then goes into a well from which it is pumped to a stand pipe.

The mineral content (alkalies) is reduced by this process from 222 parts per million in the raw water to 90 or 95 parts per million after treatment. Originally most of the water was used for drinking purposes in the Steel plant. With expansion of the plant and town the water was used more extensively. At present 75% goes to the 13 mills of the Carnegie Illinois Steel where it is used for drinking, washing, and pickling. The rest is distributed through the town whose population is about 18,000.

Charles Patterson, the chemist, tests the water softness about every 2 hours and regulates the lime added on this basis. Before the depression bacteria tests were made daily but gas forming bacteria never were found and now the tests are only made 3 or 4 times a week. The following letter gives an idea of the composition of the water:

March 14, 1922

Mr. L.M. Applegate, Superintendent
Construction & Field Engineering
Ohio Works Carnegie Steel Company
Youngstown, Ohio.

Dear Sir:

Following is the analysis of sample of water from Weathersfield Shaft, taken after pumping for several days.

Observation	
Temperature	52° F
Turbidity	Clear
Color	Colorless
Odor	Hydrogen sulphide
Chemical	
Total solids	524.3
Mineral solids	518.1
Volatile & organic other than carbon dioxide	6.2
Ferrous oxide	12.4
Aluminum oxide	3.6
Silica	10.9
Lime	87.0
Magnesia	38.9
Sulphuric anhydride	129.6
Chlorine as chlorides	11.6
Carbon dioxide	100.0
Hydrogen sulphide	.34
Dissolved oxygen	7.2
Alkalinity	247.0
Forms of Nitrogen	
Nitrates	.025
Nitrites	trace
Free ammonia	.92
Albuminoid ammonia	.11
Probable combinations	parts/ million
Calcium & magnesium carbonates	247.
" " sulphates	6.
Sodium & potassium sulphates	224.
" " chlorides	21.
Iron, alumina, silica	26.

Bacteria absent in 1 cc. and further dilutions. Bacillus Coli absent in 10 cc. and further dilutions. For domestic use it will be necessary to remove the following:

Hydrogen sulphide
Iron
Excess carbon dioxide
Excess Lime and Magnesia

In my opinion this can be done most satisfactorily and economically by the addition of hydrated lime and followed by sedimentation and mechanical filtration.

Very truly yours,

T.S. Woodward
Chief Chemist

Over the period of 19 years the level of the water has shown a fluxuation of about 14 feet from maximum to minimum.

It is interesting to note that the miners claim that they did not have much trouble with water in the Weathersfield shaft while it operated. Before the pumping station was installed part of the water from the shaft workings drained to the east through the Kimberley (Weathersfield) slope in times of high water.

The Leadville shaft apparently offers a large possible source of water. In contrast with the Weathersfield shaft this operation had considerable trouble with water while operating. Ed. Hazeltine reports that Jimmy Thompson, the mine boss, at Leadville, said that they pumped 3,000 gallons a minute. It is reported that about 1890 an effort was made to reopen this mine, and after pumping 3 months with new pumps, later aided by the old pumps drowned in the mine, the effort was abandoned because of the expense of keeping it dry.

The Pikes Peak slope is now filled with water and a small stream flows from a sump into Four Mile Run. Reports indicate that they had considerable trouble with water during operation. Both the Foulk and Idaho slopes have small streams of water flowing into the nearby creek. There is no information on the remaining mines of the area relating to water supply.



3

MINE RECORD

Name Weathersfield Co. Trumbull Twsp. Weathersfield
 Shaft x Slope _____
 Depth 150' to 160' deepest on Elevation 1055'
the Ridge
 Abandoned x _____
 Operating _____
 used for MacDonald
 Open water supply. Filled with water

EXTENT OF OPERATION--Record:--

Had Universal Block or Briar Hill Block. Some places the coal was 7' thick.

Remarks:--

Had slope to the east which filled with water so they came here. To keep water in the slope they built a dam in the workings of the Weathersfield shaft. They kept the shaft free of its water by pumping until they ceased operations and now the shaft has filled with water but the dam prevents it from flowing to the east out of the slope which would be the natural outlet after it had reached a certain elevation.

It is notable that the mine didn't make much water when it was operating in comparison with others in the region but now it is the source for the MacDonald water supply.

same location as D/M # 21.

Source of information --

Sam Jones

Recorder JO. Fuller & M.T. SturgeonDate July 18, 1941

MINE RECORD

Name Leadville Co. Mahoning Twsp. Austintown
 Shaft x Slope _____
 Depth _____ Elevation 11030'
 Abandoned x Open _____ Filled x
 Operating _____

EXTENT OF OPERATION--

Extensive

Record:--

Remarks:--

About 1890 they pumped in an effort to open the mine again. They pumped for 3 months with new pumps and finally were also able to hook up the old pumps that had been left in the bottom of the shaft. Still they could not empty it and when they became discouraged and stopped it filled up right away. "C.I.Crum"
 Several people have stated that there is a large body of water in this shaft. Edward Hazeltine said that Jimmy Thompson the mine boss told him that while operating the Leadville pumped ~~300,000~~ ^{3,000} gallons a minute.

Source of information --

C.I.Crum
Ed. Hazeltine

Recorder J.O.Fuller & M.T.Sturgeon

Date July 21. 1941

3

MINE RECORD

Name Moherman Mine Co. Mahoning Twsp. Austintown
 Shaft x Slope _____
 Sec. _____ Farm Moherman
 Depth 275' Elevation 1125'
 Abandoned _____
 Operating _____
 Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

This operation was started by W. T. Williams who leased the land from Moherman. Moherman would not permit a railroad to run across his land so Williams planned to connect with Mineral Ridge by rail. He was also going to run a tunnel to the Leadville shaft but they had so much trouble with water at the Leadville that they finally got discouraged and not much was done at the Moherman. It closed about 50 years ago.

Source of information --
 Moherman (son)

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 21, 1941

MINE RECORD

Name Pikes Peak Co. Mahoning Twsp. Austintown
 Shaft _____ Slope x
 Depth _____ Elevation 935'
 Abandoned _____ Open x Filled with slump
 Operating _____ and H₂O

EXTENT OF OPERATION--

A detailed section was visible above the mine opening. The description follows:

- | | |
|---|------------------|
| 15. Till | thin |
| 14. Shale, gray with scattered nodules of siderite coated with limonite | 6' |
| 13. Shale, Dark brown and ferruginous | 12" |
| 12. Gray clay shale | 2" |
| 11. Coal, weathered | 3" |
| 10. Underclay, soft, gray, weathered. | 12" |
| 9. Light gray clay shale with numerous iron carbonate concretions staining it buff | 36" |
| 8. Light gray shale | 33" |
| 7. Black carbonaceous shale with nodular concretions of iron carbonate weathering to limonite on the outer surfaces. | 44" |
| 6. Black sandstone, abundant carbon. Is most solid rock in the section and serves as roof at the opening of the slope | 8" |
| 5. Black shale no nodules. | 7" |
| 4. Nodular shale, dark gray, breaking in lumps with limonite stained surfaces. | 10" |
| 3. Coal breaks in good blocks | 3" |
| 2. Fire clay, light gray at base but grades upward into darker gray. | 17" |
| 1. Medium light colored sandstone with some limonite concretions covered at base | No. 1 coal close |

The coal they mined not visible because of water in the slope but it was said to be 3' thick. Other sections possible along this valley. Up the side of the hill is a small working which had 18" of coal with a sandstone roof. On the east side of the Creek is a small opening which was worked several years ago by a man named Stark. A disagreement between owner and miner resulted in letting the mine fill with water. These two operations are on a higher coal than these seen in the section above. At the top of hill is small ss quarry.
 Source of information -- Recorder J.O. Fuller & M.T. Sturgeon

Kreitzburg

Date July 18, 1941

MINE RECORD

Name Packard Co. Mahoning Twsp. Youngstown
 Packard Coal Co.
 H.B. & P Wick
 Shaft _____ Slope x
 Depth _____ Elevation 1022'
 Abandoned x
 Operating _____ Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

Large irregular dump in ravine
 Slope slumped in and several caved in areas nearby.
 Conglomerate found on the dump.
 Up small ravine which is an extension of Osborne St. there is a
 ridge of limestone which was apparently dug from the Sewer.
 This limestone is fossiliferous.

Same location as D/M #46

Source of information --
 Ed. Hazeltine

Recorder J.O. Fuller & M.T. Sturgeon
 Date August 2, 1941

MINE RECORD

Name Tod Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope X Sec. _____ Farm _____
 Depth _____ Elevation 920'
 Abandoned X Open _____ Filled graded and covered by a house.
 Operating _____

EXTENT OF OPERATION--

Large mine

Record:--

Remarks:--

Under house at present
 Coal hauled down the hollow by mules

Source of information --

Wm . Price

Recorder J.O.Fuller & M.T. SturgeonDate Sept. 6, .941

MINE RECORD

Name Foulk Co. Mahoning Twsp. Austintown
 Shaft _____ Slope X
 Depth _____ Elevation 980'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Large

Record:--

Remarks:--

Mine opening now completely covered by dirt but William Price showed us where the opening was. At the present time there are two streams of water flowing from the old opening. One is about 1" and the other about $\frac{1}{2}$ " in diameter.

The mine was reopened later to take out the pillars.

The water from the mine runs into a stream in the valley and goes into a shaft down stream which was a small wagon mine later than the main Foulk operation.

There is a medium sized dump which is composed mostly of shale spread down the valley.

Source of information --

William Price

Recorder J.O. Fuller & M.T. SturgeonDate Sept. 6, 1941

MINE RECORD

Name Idaho Co. Mahoning Twsp. Austintown
 Shaft _____ Slope X Sec. _____ Farm _____
 Depth _____ Elevation 920'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Large

Record:--

Remarks:--

Water flows into the creek nearby.
 There was a small dump although this was a railroad mine.

Source of information --
 William Price

Recorder J.O.Fuller & M.T. Sturgeon
 Date Sept. 6, 1941

MINE RECORD

Name Kimberley (Weathersfield) Co. Trumbull Twsp. Weathersfield
 Shaft _____ Slope x
 Depth _____ Elevation 1008'
 Abandoned x
 Operating _____ Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

This mine is connected underground with the Weathersfield shaft. It is located in a ravine which is not on the topographic map, and hence the elevation is much too high. There is a medium sized dump which is much overgrown. Nearby house was built by Welsh miners about 80 years ago and it also is unmapped. This was a railroad mine.

Source of information --

Wm . Price

Recorder J.O. Fuller and M.T. SturgeonDate Sept. 6, 1941

4. YOUNGSTOWN - WEST OF MILL CREEK

Location

This area is bounded on the east by Mill Creek, on the north by the Perkins Corners - Youngstown Road, on the west by the Cornersburg - Perkins Corners Road, and on the south by the Canfield - Boardman Road.

Mines

- 103. Tippecanoe shaft - large ?
- 105. Manning shaft - large
- 106. Tom Tyrrell no. 3 - small
- 107. Anchor shaft - small
- 108. Shields shaft - small
- 109. Reno slope - large
- 113. Milton Powers slope - large, operated about 17 years.
- 114. Foster and Crane shaft - small?

Water

The available data does not indicate any sort of a connection between the mines of this region. The Milton Powers slope, the northern most mine of this group, has an outlet with an estimated flow of 3" which is reported to be continuous the whole year. During operations an 8" stream was required to keep the mine dry.

The Tom Tyrrell no. 3 shaft was apparently a small operation which had much trouble with water. At one time they used a 10" pipe and then switched to two pumps working on 6" and 4" pipes. The Manning shaft was a large mine which undoubtedly had considerable trouble with water. They ran into quicksand associated with an inter-glacial valley. The Tippecanoe shaft is still open and filled with water to within 10 feet of the surface. It appears to have made much water as an unsuccessful attempt to pump the mine dry was made several years ago.

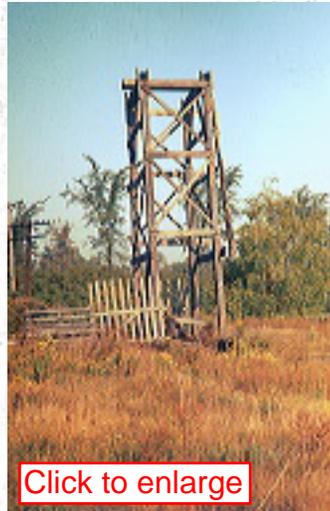
4

MINE RECORD

Name Tippecanoe Co. Mahoning Twp. Boardman
 Shaft x Slope _____
 Depth _____ Elevation 1030'
 Abandoned x Open x Filled with water to
 Operating _____ within 10' of surface of ground

EXTENT OF OPERATION--

Record:--


[Click to enlarge](#)

Remarks:--

East of Meridian Road almost opposite but about 100' north of entrance to Southern Hills Country Club.
 Tipple standing from when they tried to pump it out several years ago.

Location same as D/M #9

Source of information --

Gillispie

Recorder J.C. Fuller & M.T. SturgeonDate August 1, 1941

MINE RECORD

Name Manning Co. Mahoning Twp. Youngstown
 Wick and Hall
 Brier Hill Iron and Coal Co. Sec. _____ Farm MacDonald
 Shaft x Slope _____
 Depth 145' Elevation 990'
 Abandoned x Open _____ with dirt and
 Operating _____ Filled trash to within
 8' of surface.

EXTENT OF OPERATION--

Operated by the Brier Hill Iron and Coal Co. after the Kyle bank was exhausted. Fairly large mine. Operated 50 to 55 years ago.

Record:--

Remarks:--

Jonathan Oatey manager. Located 250' from bend in Bear's Den Road above the Chestnut Hill pavillion, is a very large funnel shaped hole filled with water to within 6' of the surface and also some trash. This is a hole that developed in the quicksand in a S.E. entry of the Manning. The mine shaft itself is about 550' west of the road. There is some dump around the opening. According to Jimmie Park they had considerable trouble with water and quicksand when they were operating. Tons and tons of pig iron were thrown around the band to prevent the flow of this quicksand.

Jun 1977 Review: Area built up with homes

D/M24

Collins & DeLong

Source of information --

Mathew Goldie
 Jimmie Park
 Gillispie

Recorder J.O. Fuller & M.T. SturgeonDate July 30, 1941

MINE RECORDName Tom Tyrrell no. 3
Chestnut Hill Mining Co.

Co. _____ Twsp. _____

Sec. _____ Farm MacDonaldShaft x Slope _____Depth 126'Elevation 992'Abandoned xOpen _____ Filled Planks over the opening which are covered with dirt.

Operating _____

EXTENT OF OPERATION--

About 29 men working and taking out 30 tons a day.

Record:--

Remarks:--

Shaft filled in by the people in this region.
About 28 years ago they tried to pump it dry and failed. Used a 10" pipe while operating and then later a combination of a 6" and a 4".

Drove north and ran into horseback.
Wagon mine.

*JUN 1977 review; No information other than Fuller & Sturgeon,
looks as if it is in wooded area along stream
Collins & DeKing
Same location as D/M # 42*

Source of information --
Pliny Woods

Recorder J.O. Fuller & M.T. SturgeonDate July 30, 1941

MINE RECORD

Name Anchor

Co. Mahoning Twsp. Youngstown

Shaft X Slope _____

Sec. _____ Farm now L.B. Wagner

Depth _____

Elevation 1030'

Abandoned X

Open _____ Filled with trash to the surface.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized dump with a lot more sandstone on the dump than is usual. Sandstone is more massive and coarser than normally.

Jun 1977 review; No information other than Fuller & Sturgeon. Maybe in built up area.

Collins & DeLong

Source of information --
Gillispie
Wagner

Recorder J.O.Fuller & M.T. Sturgeon

Date August 2, 1941

MINE RECORD

Name Shields

Co. Mahoning Twsp. Youngstown

Shaft X Slope _____

Sec. _____ Farm Myron Wehr

Depth 200' about

Elevation 1020'

Abandoned X

Open _____ Filled with trash

Operating _____

EXTENT OF OPERATION--

Not very extensive. Ran into a horseback and it was abandoned.

Record:--

Remarks:--

Pumped water 24 hours a day when they were working but the amount is not known.

Low funnel shaped opening filled to within 5' with trash mostly tin cans.

*June 1977 review - On grounds of golf course in
Mill Creek Park
D/M #43 Collins & DeLong*

Source of information --
Mrs. Wehr

Recorder J.O.Fuller and M.T. Sturgeon

Date August 2, 1941

4

MINE RECORD

Name Reno Co. Mahoning Twsp. Youngstown
Mackey Bros. Sec. _____ Farm _____
 Shaft _____ Slope X
 Depth _____ Elevation 920'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Operated between 1860 and 1870.

Record:--

Remarks:--

Dump remains in part but it is mostly graded over when the road was graded recently. Exact location not found.
 Owned by Henry and James Reno.

Source of information --
 Mrs Wehr

Recorder J.O.Fuller & M.T. SturgeonDate August 2, 1941

MINE RECORDName Milton Powers
Mackey Bros.Co. Mahoning Twsp. Youngstown

Sec. _____ Farm _____

Shaft _____ Slope x

Depth _____

Elevation 958'Abandoned xOpen _____ Filled with dirt and
graded or
covered by house

Operating _____

EXTENT OF OPERATION--

Slope opened Jan. 1870 and operated about 17 years.

Record:--5' or 6' of block coal - some cannel.Remarks:--

Dump found on south side of Calvery Run but the main dump is on the north side under the house or immediately back of it numbered 155 Lakeview Ave. Down at the bottom of the hill there is a 3" stream of iron-stained water which flows the year around. While operating it took an 8" pipe to keep it dry.

Source of information --
Klink
Jake Dieter
Calvin Mixell

Recorder J.O. Fuller & M.T. SturgeonDate August 5, 1941

MINE RECORDName Foster and CraneCo. Mahoning Twsp. YoungstownSec. _____ Farm WellendorfShaft x Slope _____

Depth _____

Elevation 1020'Abandoned xOpen _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Southeast of 3607 Cascade St. in a backyard of a new unnumbered house there is a widely spread dump. They have had trouble with caving and have filled it several times but the exact location of the shaft was not visible.

Source of information --

Recorder J.O.Fuller & M.T.SturgeonDate August 5, 1941

5. YOUNGSTOWN - EAST OF MILL CREEK

Location

This area of mines is east of Mill Creek, south of the Mahoning River, west of Yellow Creek, and north of the Boardman-Poland Road. It was the most important mining area in the city of Youngstown and many of the mines connect underground.

Mines

- 93. Foster no. 1 shaft - largest of group, 240,000 ton in 11 yr
- 94. Kyle shaft - large, second to the Foster no 1 in size.
- 95. Logan or Palmer shaft - large
- 96. Foster no. 2 or Smith shaft - small, 40,000 tons removed.
- 97. Osborn shaft - large ?
- 98. Wellendorf shaft - medium to large.
- 99. Unnamed (Earl St.) shaft - small.
- 100. Brownlee shaft - large.
- 101. Poland shaft - large.
- 102. A. & W. Powers drift - large.
- 104. A. & W. Powers shaft - large
- 111. McKinnie shaft - large.
- 112. Thorn slope - large ?
- 129. Script Hill shaft - large ?

Water

The Foster no. 1, Kyle and McKinnie mines and probably the Foster no. 2 are connected underground. The Foster no. 1 was flooded by water from the Kyle and McKinnie mines. A well drilled near the Foster no. 1 to a depth of 175 feet produced mine water. This is about 57 feet above the old workings.

The Wellendorf, Script Hill, Palmer, A. & W. Powers shafts and the A. & W. Powers slope all drain through the A. & W. Powers slope. The water, which formerly was fit to drink but which is now contaminated by sewage, is used by the Republic Steel Co. According to Ed. Hazeltine the Palmer mine was in a separate basin from the others, and this may mean that the Palmer is not connected underground with the others. The Osborn shaft may be connected with this group of mines.

Nothing is known concerning the Thorn slope. The unnamed (Earl St.) shaft was a small but very wet mine. The Brownlee mine contains water which at one time was pumped and used for some purpose. Water from the Poland shaft is pumped and used by the Youngstown Sheet and Tube . When they pump this shaft to capacity the wells in the immediate neighborhood dry up.

MINE RECORD

Name Foster no 1 (Fosterville) Co. Mahoning Twsp. Youngstown
Foster Coal Co. later
Andrews & Hitchcock Sec. _____ Farm Foster then Cain now
 Shaft x Slope _____ subdivided.
 Depth 232' measured by R.M. Elevation 1045'
Hazeltine
 Abandoned x _____
 Operating _____ Open _____ Filled with dirt.

EXTENT OF OPERATION--

Most productive of all the mines on the south side of Youngstown.
 About 240,000 tons being taken out in 11 years from 1873 to 1884
 according to the Vindicator.

Record:--

Coal 5' 6" in bottom of basin & of excellent quality
 140' Massillon ss which was saturated w salt H₂O (1 lb salt from 1 1/2 galbas of brine)
 H₂O in underlying sh was fresh

Remarks:--

Supervised by Jonathan Head
 Located just east of Rollason home, 537 Hylda St, at a small peach
 tree. Large sandstone blocks still left which were foundations of
 pump or hoist house. Dump still around in part preventing growth
 of good grass. Dump partially hauled away for roads. Mined to the
 east and west.

Abandoned drilled well in the Rollason back yard went down 175'
 and then started to get mine water.

In 1876 a block measuring 4' x 4' x 7' was taken out of the shaft
 and exhibited at the centennial exposition in Philadelphia. It won
 a gold medal for the best block on exhibition. According to the
 Vindicator, "Toward end when the period of exhaustion was in sight
 the miners struck the gallery of the Kyle mine, water from the McKinnie
 poured into the Kyle and the water from both began then to empty into
 the Foster so that the work had to be abandoned."

Source of information --

Recorder J.O. Fuller & M.T. Sturgeon

Mrs. Rollason

Date July 31, 1941

MINE RECORD

Name Kyle
Kyle Coal Co.

Co. Mahoning Twsp. Youngstown

Shaft X Slope _____

Sec. _____ Farm _____

Depth 200'

Elevation 910'

Abandoned X

Open _____ Filled covered with concrete floor.

Operating _____

EXTENT OF OPERATION--

Operated about 10 years and almost as much coal taken out as at Foster no. 1. (240,000 tons)

Record:--

11' Massillon ss (Newberry Vol III pg 723)

Remarks:--

Under Macquire's Auto Repair Shop floor on the south side of the building about 150' west of the Youngstown and Southern track, there is a opening which has been concreted over. This was probably the opening of the Kyle but it may have been an air shaft in which case the main opening is completely covered by a coal yard. Second in importance after the Foster no 1 south of the River. Leased by the Brier Hill Iron & Coal Co. and managed by Captain Dan Stambaugh. Jonathan Oatey was the supervisor.

*JUN 1977 review - Macquire Auto Body torn down - area now an open lot behind Wester Fuel & Supply
Same location as D/M #5
Collins & DeLong*

Source of information --

Recorder JO. Fuller & M.T. Sturgeon

Date July 31, 1941

MINE RECORDName Logan (Palmer)
Andrews Bros.Co. Mahoning Twsp. Youngstown
Formerly Palmer now
Sec. _____ Farm subdivided.Shaft x Slope _____Depth 233½' (Hazeltine)Elevation 1115'Abandoned xOpen _____ Filled with dirt,
graded.

Operating _____

EXTENT OF OPERATION--

Record:--

Till 15' about.

Remarks:--

Sandstone within 14' of surface
A spring is reported at a depth of 30' or 33' down the shaft.*JUN 1977 review; No information other than Fuller &
Sturgeon; built up area, homes, businesses. Map
exists
Location same as D/M # 8
Collins & DeLong*

Source of information --

Palmer

Recorder J.O. Fuller & M.T. SturgeonDate July 31, 1941

MINE RECORD

Name Foster no. 2 (Smith)
Andrews & Hitchcock

Co. Mahoning Twsp. Youngstown

Sec. _____ Farm Smith

Shaft x Slope _____

Depth _____

Elevation 1042'

Abandoned x

Open _____ Filled Covered with concrete.

Operating _____

EXTENT OF OPERATION--

About 40,000 tons

Record:--

Remarks:--

Southwest corner of Glenwood and Parkview. Right back of Isaly's
Evidence of subsidence of the concrete drive in back of the store.

Source of information --

Recorder J.O. Fuller & M.T. Sturgeon

Jimmie Park

Date July 31, 1941

MINE RECORD

Name Osborn Co. Mahoning Twsp. Youngstown
 Shaft x Slope _____
 Sec. _____ Farm Smith
 Depth _____ Elevation 1060'
 Abandoned x
 Operating _____
 Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

Located in a vacant lot near a large tree. Lot shows shale and coal slack, and it is hard to grow grass on it. A year ago there was subsidence ^{at} this area at the shaft and the owners put an old furnace in it and 13 truckloads of dirt to fill it. Property belongs to owners of house at 107 Avondale.

Jun 1977 review: Homes on site - no information other than Fuller & Sturgeon report of caving

Collins + DeLong

Source of information --

Jimmie Park

Recorder J.O. Fuller & M.T. SturgeonDate July 31, 1941

5

MINE RECORD

Name Wellendorf
Andrews & Co.

Co. Mahoning Twsp. Youngstown

Sec. _____ Farm _____

Shaft x Slope _____

Depth _____

Elevation 1090'

Abandoned x

Open _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

80' Massillon ss (Newberry Vol III p 793)

Remarks:--

On Avondale Ave on the north side of the street at 340 Avondale between this and the next house east, and between South Ave. and Rush E Blvd.

Dump stil present but opening completely filled.

Jun 1977 review: Homes on site - no information other than Fuller & Sturgeon

Collins & Detong

Source of information --

Jimmie Park

Recorder J.O. Fuller & M.T. Sturgeon

Date July 31, 1941

MINE RECORD

Name Unnamed (Earl St.) Co. Mahoning Twsp. Youngstown

Shaft X Slope _____ Sec. _____ Farm _____

Depth _____ Elevation 985'

Abandoned X Open _____ Filled slumped

Operating _____

EXTENT OF OPERATION--

Small operation

Record:--

Remarks:--

Was drowned out - wagon mine.

JUN 1977- No evidence - probably not under a house unless it's the last one on East St., south side.

Collins + DeLong

Source of information --
James Park

Recorder J.O.Fuller & M.T.Sturgeon

Date August 1, 1941

5

MINE RECORD

Name Browlee Co. Mahoning Twsp. Boardman
A. & W. Powers
Powers Coal Co.
 Shaft x Slope _____
 Sec. _____ Farm _____
 Depth 155' Elevation 1028'
 Abandoned _____
 Operating _____
 Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

Shaft is back of 1561 Midlothian St. which is now Hallwood home.
 Water has been pumped from this shaft for commercial use.
 The no2 or Wellston (Quakertown) seam was also mined from this shaft.

*Jun 1977 review: Mine area now part of interchange
 of I 680 at Midlothian St.*

Same location as D/M # 7

Collins + DeLong

Source of information --
Jimmie Park
Ed Hazeltine

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 31, 1941

9-275 c
(July 1936)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH
DISCHARGE MEASUREMENT NOTES

Meas. No. Misc.
Checked by BAW
Date 11-16-43

Cramer Mine Drain near Hubbard, Ohio

Date Oct. 13, 1943 Party E. J. Tripp
Width 2.8 Area 1.82 Vel. 0.43 G. H. — Disch. 0.781
Method 5 No. secs. 15 G. H. change — in — hrs. Susp. Red
Method coef. 0.955 Hor. angle coef. 1.00 Meter No. 112 Susp. coef. 1.00

E. W. T. GAGE READINGS

Time	Recorder	Inside	Outside
<u>3:05</u>	<u>Start</u>		
		<u>NONE</u>	
<u>3:20</u>	<u>Finish</u>		
Weighted M. G. H.			
G. H. correction			
Correct M. G. H.			

Date rated 9-17-42 Used rating
for rod — susp. Meter — ft.
above bottom of wt. Tags checked —
Spin before meas. — after —
Meas. plots — % diff. from — rating
Wading, cable, ice, boat, upstr., downstr., side
bridge — feet, mile, above, below
gage, and —
Chain, wire, found —
changed to — at —
Correct length —
Levels obtained —

Measurement rated ~~excellent (2%)~~, good (5%), fair (8%), poor (over 8%), based on
following conditions: Cross section Uniform
Flow Fairly Smooth Weather Fair
Other —
Gage —
Record removed — Intake flushed —

Observer —
Control —

Remarks No rain in 27 days prior to measurement.

Sheet No. — of 3 sheets. G. H. of zero flow — ft.

9-275 c
(July 1936)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH
DISCHARGE MEASUREMENT NOTES

Meas. No. Misc.
Checked by BAW
Date 11-16-43

A & W Powers Mine Drain at Youngstown, O.

Date Oct. 13, 1943 Party E. J. Tripp
Width 3.9 Area 1.02 Vel. 0.41 G. H. — Disch. 0.413
Method 5 No. secs. 18 G. H. change — in — hrs. Susp. Red
Method coef. 0.98 Hor. angle coef. 1.00 Meter No. 112 Susp. coef. 1.00

E. W. T. GAGE READINGS

Time	Recorder	Inside	Outside
<u>4:50</u>	<u>Start</u>		
		<u>NONE</u>	
<u>5:10</u>	<u>Finish</u>		
Weighted M. G. H.			
G. H. correction			
Correct M. G. H.			

Date rated 9-17-42 Used rating
for rod — susp. Meter — ft.
above bottom of wt. Tags checked —
Spin before meas. — after —
Meas. plots — % diff. from — rating
Wading, cable, ice, boat, upstr., downstr., side
bridge — feet, mile, above, below
gage, and —
Chain, wire, found —
changed to — at —
Correct length —
Levels obtained —

Measurement rated ~~excellent (2%)~~, good (5%), fair (8%), poor (over 8%), based on
following conditions: Cross section Uniform
Flow Fairly regular Weather Fair
Other —
Gage —
Record removed — Intake flushed —

Observer —
Control —

Remarks No rain in 27 days prior to measurement.

Sheet No. 1 of 3 sheets. G. H. of zero flow — ft.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH
DISCHARGE MEASUREMENT NOTES

Meas. No. Misc.
Checked by B.A.W.
Date 11-16-43

Brookfield Mine Drain at Masury, Ohio

Date Oct. 13, 1943 Party E. J. Tripp
Width 3.8 Area 1.41 Vel. 0.75 G. H. - Disch. 1.09
Method 6.5 No. secs. 17 G. H. change - in - hrs. Susp. Red
Method coef. 1.01 Hor. angle coef. 1.00 Meter No. 119 Susp. coef. 1.00

E. W. T. GAGE READINGS				
Time	Recorder	Inside	Outside	
<u>3:45</u>	<u>Start</u>			
			<u>None</u>	
<u>4:00</u>	<u>Finish</u>			
Weighted M. G. H. _____				
G. H. correction _____				
Correct M. G. H. _____				

Date rated 9-17-42 Used rating
for rod _____ susp. Meter _____ ft.
above bottom of wt. Tags checked _____
Spin before meas. _____ after _____
Meas. plots _____ % diff. from _____ rating
Wading, cable, ice, boat, upstr., downstr., side
bridge _____ feet, mile, above, below
gage, and _____
Chain, wire, found _____
changed to _____ at _____
Correct length _____
Levels obtained _____

Measurement rated ~~excellent (2%)~~, ~~good (5%)~~, ~~fair (8%)~~, ~~poor (over 8%)~~, based on
following conditions: Cross section Uniform

Flow Smooth Weather Fair

Other _____

Gage _____

Record removed - Intake flushed -

Observer _____

Control _____

Remarks No rain in 27 days prior to
measurement.

Sheet No. 3 of 3 sheets. G. H. of zero flow _____ ft.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH
DISCHARGE MEASUREMENT NOTES

Meas. No. Misc.
Checked by B.A.W.
Date 11-16-43

Clingan Mine Drain near Hubbard, Ohio

Date Oct. 13, 1943 Party E. J. Tripp
Width 2.3 Area 0.669 Vel. 0.21 G. H. - Disch. 0.141
Method 5 No. secs. 12 G. H. change - in - hrs. Susp. Red
Method coef. 1.00 Hor. angle coef. 1.00 Meter No. 119 Susp. coef. 1.00

E. W. T. GAGE READINGS				
Time	Recorder	Inside	Outside	
<u>2:20</u>	<u>Start</u>			
			<u>None</u>	
<u>2:30</u>	<u>Finish</u>			
Weighted M. G. H. _____				
G. H. correction _____				
Correct M. G. H. _____				

Date rated 9-17-42 Used rating
for rod _____ susp. Meter _____ ft.
above bottom of wt. Tags checked _____
Spin before meas. _____ after _____
Meas. plots _____ % diff. from _____ rating
Wading, cable, ice, boat, upstr., downstr., side
bridge _____ feet, mile, above, below
gage, and _____
Chain, wire, found _____
changed to _____ at _____
Correct length _____
Levels obtained _____

Measurement rated ~~excellent (2%)~~, ~~good (5%)~~, ~~fair (8%)~~, ~~poor (over 8%)~~, based on
following conditions: Cross section Uniform sand

Flow Fairly smooth Weather _____

Other Shallow depths

Gage _____

Record removed - Intake flushed -

Observer _____

Control _____

Remarks No rain in 27 days prior to
measurement.

Sheet No. 1 of 2 sheets. G. H. of zero flow _____ ft.

MINE RECORD

Name Poland

Co. Mahoning Twsp. Poland

Shaft x Slope _____

Sec. _____ Farm _____

Depth _____

Elevation 1025'

Abandoned x

Open _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized, burned and fused dump. So well fused that there are arches in it. Dump indicates shaft to the north but the opening is filled and it is hard to ascertain the exact location. Water pumped by Youngstown Sheet and Tube to their plant where it is used in the condensers but not the boilers.

Location same as D/M 3

Source of information --

Recorder J.O.Fuller & M.T.Sturgeon

Date August 1, 1941

MINE RECORD

Name A. & W. Powers Drift
Opened between 1860 & 1870

Co. Mahoning Twsp. Youngstown

Sec. _____ Farm Powers

Shaft _____ Slope Drift

Depth _____

Elevation 995'

Abandoned about 1880

Open _____ Filled with slump

Operating _____

EXTENT OF OPERATION--

Record:--

3' of good block coal.

U.S. G. S.

June 8 - 1943 Party: Tripp

Width 4.0 Area 1.84 Vol. 0.38 Discharge 0.71 C.F.S.

*5,31 gal. per second
318.6 " " minute
19,116.0 " " hour*

Remarks:--

This drift was operating in 1860 and there is a still older drift to the east which is completely covered now and was not as important. About 300 tons removed daily. At first hauled by mule to Furnace no. 1 and later by rail.

A large stream of water flows the year around from this drift and is used by the Republic Steel Co. This is the drainage outlet for the Osborn, Palmer, Wellendorf, and A. & W. Powers shafts as well as the Powers drift. The water was formerly fit for drinking purposes but now it is contaminated by sewage etc.

A small shaft operated to the SW. for crop coal after the drift was abandoned.

Appears to be same location as D/M 47 - See 104

Source of information --
J. Clemens

Recorder J.O. Fuller & M.T. Sturgeon

Date August 1, 1941

MINE RECORD

Name A. & W. Powers
Sold to Andrews Bros.
Formerly Powers Coal Co.
Shaft 60' about Slope _____

Co. Mahoning Twp. Youngstown

Sec. _____ Farm Isaac Powers

Depth _____

Elevation 880'

Abandoned X

Open _____ Filled wash. with stream

Operating _____

EXTENT OF OPERATION---

Record:--

Remarks:--

Dump in ravine near sewer opening.
Small dump.
Two beds of coal observed above the one the shaft worked. These were exposed in the walls of the ravine.

*JUN 1977 review: Not in built up area, Freeway
MSJ now cover site*

Appears to be same location as D/M 47

Collins + DeLong

Source of information --

Recorder J.O. Fuller & M.T. Sturgeon

Date July 31, 1941

MINE RECORD

Name McKinnie Co. Mahoning Twsp. Youngstown
Mahoning Coal Co. East-McKinnie
Brown Bonnell Co. Sec. _____ Farm West-Stanbaugh
 Shaft x Slope _____
 Depth _____ Elevation 1035'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Opened about 1873-74

Record:--Remarks:--

The shaft opening is on the vacant lot between houses 173 and 175 W. Myrtle. This is between Oak Hill and Hillman. The old coal office was at 175 W. Myrtle.

The opening is now completely covered although there is still evidence of the dump.

This was the first opening south of the river.

JUN 1977 review: No evidence beyond Fuller & Sturgeon. Mine refuse covers rear of 173 & 175 W. Myrtle - backyard area of both are likely sites for both slope & shaft

Same as D/M #12

Collins & DeLong

Source of information --

Recorder J.O. Fuller & M.T. Sturgeon

Date August 5, 1941

MINE RECORD

Name Thorn
Jacobs & Sons

Co. Mahoning Twsp. Youngstown

Shaft _____ Slope x

Sec. _____ Farm _____

Depth _____

Elevation 945'

Abandoned x

Open _____ Filled graded and covered with houses.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Mr. Shomer told us that the 2 houses he built on 514 -520 New Court were right over the old entry. Apparently there were several entries.

Source of information --
Mr. Shomer

Recorder J.O.Fuller & M.T.Sturgeon

Date August 5, 1941

MINE RECORD

Name Script Hill Co. Mahoning Twsp. Youngstown
Andrews & Hitchcock
 Shaft x Slope _____
 Depth _____ Elevation 1048'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

On Florida just north of 2 small houses.
 Evidence of dump but the opening is filled with dirt.
 Trigonocarpus found in shale on the dump.
 According to Ed. Hazeltine it was in the same basin as the Powers
 and Wellendorf.
 Got its name from the fact that it was opened just t the time of
 the panic of 1873. and the miners were paid in script.

*Jun 1977 review: No evidence beyond Fuller & Sturgeon in
 area of homes & church, etc.*

Collins & DeLong

Source of information --
 Jimmie Park

Recorder J.O. Fuller & M.T. Sturgeon

Date August 27, 1941

6. YOUNGSTOWN - BRIER HILL

Location

This group of mines lies east and north of the Mahoning River, west of Belmont Avenue (Churchill Road), and south of the Mahoning-Trumbull County line.

Mines

- 81. Witch Hazel shaft - large
- 92. Brier Hill slope - large
- 124. Tom Tyrrell shaft no. 1 - small
- 125. Tom Tyrrell shaft no. 2 - small
- 139. Philpot slope - large

Water

The Tom Tyrrell shafts always were essentially dry because they had an outlet through the abandoned Brier Hill slope. The slope itself apparently also had good drainage. Nothing is known about the water conditions and drainage of the Witch Hazel and Philpot mines.

MINE RECORD

Name Witch Hazel Co. Mahoning Twsp. Youngstown
Witch Hazel Mining Co.

Sec. _____ Farm _____

Shaft x Slope _____

Depth 165'

Elevation 1055'

Abandoned _____

Open _____ Graded in a
Filled built up section

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Along Belmont Ave. opposite Emerson Place to the west of Belmont.
Surface evidence completely gone. Just north of a school house.

*Jun 1977 review - Site probably covered by parking lot
& building of the Neapolitan Oriental Cocktail lounge
on Belmont
Collins & DeLong
Same location as D/M #2*

Source of information --
Bill Dagan
Mat Goldie

Recorder J.O. Fuller & M.T. Sturgeon

Date July 29, 1941

MINE RECORD

Name Brier Hill
Brier Hill Coal Co.
opened by Gov. Tod 1844.
Shaft _____ Slope x

Co. Mahoning Twsp. Youngstown

Sec. _____ Farm _____

Depth _____

Elevation 950'

Abandoned x

Open _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

In a narrow ravine but now completely covered. During high water, according to Mat Goldie, the mouth of the slope would be shut off and black damp would gather in the Tom Tyrrell shafts causing work to stop. Therefore, they are all connected.

Drained itself almost completely during operation.

*JUN 1977 - Covered by road construction, no development on site.
Collins & DeLong*

Source of information --

Mr. Sloan
Mat Goldie

Recorder J.O. Fuller & M.T. Sturgeon

Date July 30, 1941

6

MINE RECORD

Name Tom Tyrrell no. 1 Co. Mahoning Twsp. Youngstown
 Shaft X Slope _____
 Depth _____ Elevation 1075'
 Abandoned X Open _____ Filled with cans
 Operating _____ and dirt.

EXTENT OF OPERATION--

Record:--

Remarks:--
 Mine never used pumps because the water drained toward the Brier Hill slope.
 Not much coal taken out and very little evidence of the mine at present.

June 1977 review - site very uncertain, depression w/coal, trash etc. behind 1040 Alameda, looks suspicious as possible shaft site.

Collins & DeLong

Source of information --

Bill Dagan
 Mathew Goldie

Recorder J.O. Fuller & M.T. Sturgeon

Date July 30 & August 6, 1941

6

MINE RECORD

Name Tom Tyrrell no. 2 Co. Mahoning Twsp. Youngstown
 Shaft x Slope _____
 Depth _____ Elevation 1070'
 Abandoned x Open _____ Filled graded
 Operating _____

EXTENT OF OPERATION--
 Small operation

Record:--

Remarks:--

At Margaret and Norwood St. intersection. Norwood formed by grading over the old shaft. Water drained out of this shaft to Brier Hill Slope and so they never had a water problem. Street now covers the location so it is impossible to locate exactly.

JUN 1977 review - No additional information from Fuller & Sturgeon, Collins & DeLong

Source of information --
 Mathew Goldie
 Griffiths

Recorder J.O. Fuller & M.T. Sturgeon
 Date August 6, 1941

MINE RECORD

Name Philpot Co. _____ Twsp. _____

Opened by Wm. Philpot about 1846
Sec. _____ Farm Manning Parmalee

Shaft _____ Slope x

Depth _____ Elevation 990'

Abandoned x x

Open _____ Filled graded

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Now completely covered by a housing project. According to Mrs. Newman it used to be just south of Parmalee St. which the housing project now covers.

Source of information --
Mrs Newman on Rowland St.

Recorder J.O.Fuller & M.T. Sturgeon

Date August 29, 1941

7. YOUNGSTOWN - CRAB CREEK

Location

The Crab Creek mines are very old operations, mostly slopes, which are close to the west side of the Crab Creek valley. The boundaries are; on the north the County Line, on the east Crab Creek, on the south the Mahoning River, and on the west Belmont Avenue (Churchill Road).

Mines

- 122. Wick Bros.
- 126. Madison Ave. School
- 127. Unnamed (Arrow St.)
- 130. Unnamed (Wood St. School)
- Wilkinson
- Crawford
- Thornton
- Wick at Lincoln

Water

Accounts in the Youngstown Vindicator talk of the Crawford, Thornton, and Wick Bros mine at Lincoln. General locations are given in these articles but it was impossible to locate them in the field. Several mines were discovered which may be these openings if the locations given in the articles are incorrect but it was not possible to correlate the names and the mines discovered with the available data. It is probably sufficient to say that in this locality there are about a half dozen very old slopes or drifts which are so old that Ed. Hazeltine, the oldest engineer in the valley, has no recollection of their existence. They were probably small operations and are not important from the water supply standpoint.

MINE RECORD

Name Wick Bros. at Lincoln
opened between 1850 and 1860

Co. Mahoning Twsp. Youngstown

Shaft _____ Slope _____

Sec. _____ Farm _____

Depth _____

Elevation _____

Abandoned _____

Open _____ Filled _____

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Source of information --

Recorder _____

Date _____

7

MINE RECORD

Name Unnamed

Co. Mahoning Twsp. Youngstown

Wilkinson Coal Co.

Sec. _____ Farm _____

Shaft _____ Slope _____

Depth _____

Elevation _____

Abandoned _____

Open _____ Filled _____

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Source of information --

Recorder _____

Date _____

MINE RECORD

Name Unnamed (Wood St.) Co. Mahoning Twsp. Youngstown

Shaft x Slope _____ Sec. _____ Farm _____

Depth _____ Elevation 895'

Abandoned x Open _____ Filled under Wood St

Operating _____ Filled School.

EXTENT OF OPERATION--

Record:--

Remarks:--

There is supposed to be an opening at Spring and Bryson St. which is filled at present and is in what was formerly a little ravine. This opening is reported to be an air shaft to the Wood St. shaft.

Source of information --

A. P. Watson
118 Scott St.

Recorder J.O. Fuller & M.T. Sturgeon

Date August 29, 1941

MINE RECORD

Name Crawford bank

Co. Mahoning Twsp. Youngstown

owned by Crawford and Murray

Sec. _____ Farm _____

Shaft _____ Slope _____

Depth _____

Elevation _____

Abandoned _____

Open _____ Filled _____

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Source of information --

Recorder _____

Date _____

7

MINE RECORD

Name Unnamed (Arrow St.) Co. Mahoning Twp. Youngstown
 Shaft X Slope _____
 Depth _____ Elevation 905'
 Abandoned X Open _____ with trash and
 Operating _____ Filled fill.

EXTENT OF OPERATION---

Record:--

Remarks:--

South of Arrow St, which is just east of the intersection of Wick and Logan, there is a mining operation in a small ravine. The most recent operation is a shaft opened in the depression by several men which worked coal left in what was supposed to be an older operation in the same locality.

*JUN 1977 review → No evidence beyond Fuller + Sturgeon -
 Not in residential area.
 Collins + DeLong*

Source of information --

Recorder J.O. Fuller & M.T. SturgeonDate August 27, 1941

7

MINE RECORD

Name Unnamed (Madison School) Co. Mahoning Youngstown

Sec. _____ Farm _____

Shaft _____ Slope X

Depth _____ Elevation 880'

Abandoned X

Open _____ Filled covered by school

Operating _____

EXTENT OF OPERATION--

Record:--



[Click to enlarge](#)

Remarks:--

Under Madison school according to Ed. Hazeltine. When the school was built Hazeltine said the opening was discovered to come very close to the surface and this was taken into consideration in plans for the building.

Source of information --

Ed. Hazeltine

Recorder J.O. Fuller & M.T. Sturgeon

Date August 27, 1941

7

MINE RECORD

Name Wick Bros

Co. Mahoning Twsp. Youngstown

Shaft _____ Slope _____

Sec. _____ Farm _____

Depth _____

Elevation 900'

Abandoned _____

Open _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Dump along ravine called Andrews Run. One hole with some caves and a lot of dirt but it is not absolutely certain that this was the old opening.

Source of information --

Recorder J.O. Fuller & M.T. Sturgeon

Date August 6, 1941

8. YOUNGSTOWN - THORN HILL

Location

This area is bounded on the west by Crab Creek, on the south by Dry Run, on the east by the Hubbard-Coitsville Road, and on the north by the County Line.

Mines

- 115. Allen shaft - large
- 116. Allen slope - large
- 117. New Allen slope - small
- 118. Thorn Hill no. 2 slope - large
- 119. Cork and Bottle slope - small
- 120. Thorn Hill no. 1 slope - large
- 121. Welch shaft - 2 years with 12 to 16 men robbing pillars.
- 128. Hogg slope - large?

Water

Little is known of the water and drainage in the Allen group of mines. The Allen slope was a very old mine. At present a 1" stream of clear water flows from the opening. The Allen shaft was a later operation and the New Allen slope is more recent than either but nothing is known of the water in either.

The Thorn Hill group consists of 4 mines which are connected. Thorn Hill no. 2 slope is used by the Republic Rubber Co. to obtain 750 gallons per minute of water for cooling. The excess water removed from the slope flows down a stream and enters the Cork and Bottle and works back underground to the no. 2 slope. When pumping ceases in the Thorn Hill no. 2 slope, part of the workings of the Welch shaft become flooded. Thorn Hill slopes no. 1 and 2 connect underground so it is certain that part of Thorn Hill no. 1 is filled with water.

The Hogg slope, also known as the Home Bank, is a very old opening about which very little is known except that the Wheeler Mineral Springs use the water for their product.

MINE RECORDName AllenCo. Mahoning Twsp. YoungstownShaft x Slope _____Sec. _____ Farm MackeyDepth 136' as measured by Ed.
HazeltineElevation 985'Abandoned xOpen _____ Filled with dirt and
graded.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

This opening was just south of Stewart Ave in the center of Woodside Ave. and it is now completely filled in and graded. There is some evidence of dump in the region.
Cola used in local trade and hauled to the furnaces by wagon.

*JUN 1977 review: No information other than Fuller & Sturgeon -
No threat to housing - in abandoned roadway.*

Collins + DeLong

Source of information --

Recorder J.O. Fuller & M.T. Sturgeon

Mr. Burns

Date August 6, 1941

MINE RECORD

Name Allen Slope Co. Mahoning Twsp. Youngstown
 Shaft _____ Slope x Sec. _____ Farm _____
 Depth _____ Elevation 910'
 Abandoned x Open _____ Filled with slump
 Operating _____

EXTENT OF OPERATION--

Finished over 65 years ago.

Record:--

2' till

At least 10' of shale above the slumped opening.

Remarks:--

Large dump spread over the valley walls.

Small stream of water flowing out of the opening which is clear and about 1" in size.

The slope is in a ravine south of the proposed junction of Magnolia and Mackey avenues.

Source of information --

John Williams

Recorder J.O. Fuller & M.T. Sturgeon

Date August 6, 1941

MINE RECORD

Name New Allen Slope Co. Mahoning Twsp. Youngstown
 Shaft _____ Slope X Sec. _____ Farm Mackey
 Depth _____ Elevation _____
 Abandoned X Open _____ Filled graded
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

On SW. corner of McGuffey and Landsdowne Blvd.
 Mined to east under Stewart land., although the opening is on
 Mackey land. The drive at 862 Landsdown has subsided several times
 but the exact location of the opening is not visible and must
 be guessed at from this trouble.

Source of information --

John Williams
 J.G. Perkins

Recorder J.O. Fuller & M.T. SturgeonDate August 5, 1941

8

MINE RECORD

Name Thorn Hill No. 2 Co. Mahoning Twsp. Coitsville
C.F. Andrews and (Hitchcock?)
 Shaft _____ Slope x
 Depth _____ Elevation 1000'
 Abandoned _____ Open x Filled partially
 Operating _____ Filled with water

EXTENT OF OPERATION--

Stopped at least 60 years ago.

Company has used supply for about 30 years. Mine had fallen in and had to be reopened. Rock to the east has completely slumped and has not been cleaned out.

Record:--

Remarks:--

Water used by Republic Rubber in the plant for cooling their product. Water pumped from the slope and runs by pipe to the factory. The surplus runs down the creek and enters the Cork & Bottle and finally seeps back underground to this slope. As long as there is 150' of water in the slope they are able to siphon the water directly to the plant below that they must pump. 750 gallons/minute are sent to the plant about 2/3 of which is used. The plant is 2 miles away.

Same location as D/M #75 (not microfilmed) - See F45119

Source of information --

J. G. Perkins
 Worler

Recorder J.O. Fuller & M.T. Sturgeon

Date August 5, 1941

MINE RECORD

Name Cork and Bottle Co. Mahoning Twsp. Youngstown
Arms and Powers
 Shaft _____ Slope x
 Depth _____ Elevation 965'
 Abandoned x Open _____ Filled _____
 Operating _____

EXTENT OF OPERATION--

Slope in the side of a hill which worked a long time according to J.G. Perkins whose father worked in this mine.

Record:--

Remarks:--

Across the creek the coal is 18' below the surface. The Cork and Bottle originally was an air shaft but they filled it and ran a slope down at this point to the coal which was 50' to the coal. In this region there are two veins. One about 6" thick and 10' below there is the No. 1 vein averaging 18".

Some location = S D/M # 45 (Not microfilmed) see F95 # 118

Source of information --
 J.G. Perkins

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 21, 1941

MINE RECORD

Name Thorn Hill no.1
Chauncey Andrews & Hitchcock

Co. Mahoning Twsp. Youngstown

Shaft _____ Slope X

Sec. _____ Farm _____

Depth 110' down slope

Elevation 1005'

Abandoned X

Open _____ Partially slumped but
filled could go in quite a
ways.

Operating _____

EXTENT OF OPERATION--

Entry running E.2 miles under the houses on the hill.

Record:--

- 22' shale
- 4" coal (no underclay)
- 5' shale covered
- 4' coal (this is the maximum thickness reported.)

Remarks:--

This was the first mine in the Mahoning Valley operated by C.A. Andrews. After this had operated a while they sank a new slope (Thorn Hill no. 2) and both operated at the same time. They connect underground. Some time during this period the Cork and Bottle opened and operated awhile and then shut down.

The coal occurs in rolls.

It is known as the south entry and went 110' down a slope to the coal.

Source of information --
J.G. Perkins

Recorder J.O. Fuller & M.T. Sturgeon

Date August 5, 1941

MINE RECORD

Name Welch Co. Mahoning Twsp. Youngstown
 Shaft x Slope _____
 Depth 61' to top of coal Elevation 990'
 Abandoned x Open _____ partially filled
 Operating _____ Filled with slump

EXTENT OF OPERATION--

Operated 2 years. Worked north for about 100' in solid coal and also some to the south.
 12 to 16 men working for 2 years.

Record:--

30' till
 solid
 3' coal. no. 1.

Remarks:--

At Thorn Hill no. 2. Republic Rubber was pumping 750 gallons/ min. when they stopped the water began to fill the operations of Welch who then started suit against Republic Rubber.
 Pebbly rock found under the coal which is apparently Sharon cong.

*Jun 1977 review: No signs - depression to west of church & behind church are likely suspects for the shaft site.
 Collins + DeLong*

Source of information --

Recorder J.O. Fuller & M.T. SturgeonDate August 6, 1941

MINE RECORD

Name Hogg (Home bank) Co. Mahoning Twsp. Youngstown
 Home bank opened by Ruben Darrow's father. Sec. _____ Farm Murdock Darrow
 Shaft _____ Slope drift now subdivided
 according to Hazeltine
 Depth _____ Elevation 880'
 Abandoned X Open _____ Filled graded and built over.
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Mrs Murdock remembers when they were children that they played around a dump which was located between what is now Hines and Prospect and Himrod and Wilson. Her father was owner of the farm at that time and said that when they operated the mine a while the water in their well disappeared and they had to dig a deeper well. Wheeler Mineral Springs uses the water from this mine. Exact location is a question.

Source of information --

Mrs Murdock 936 Shehy

Recorder J.O.Fuller & M.T. Sturgeon

Date August 27, 1941

9. CHURCHILL

Location

The Churchill mines include all the mines of Liberty Township, Trumbull County except those which lie to the northeast of Crab Creek.

Mines

- 57. Pinch Along shaft - small, coal thin, much water.
- 58. Sodom slope - large.
- 80. Paris or Cedar Corners slope - small, poor coal.
- 82. Campbell or Churchill shaft - large.
- 83. High Tone shaft - large.
- 84. Punkin shaft - small
- 85. Hood slope - medium to large.
- 86. Centennial shaft - small
- 87. Kline slope - large.
- 88. Churchill slope - largest in area.
- 89. Niles shaft - large
- 90. Walp or Foraker no. 1 shaft - medium to large.
- 91. Goldie or Foraker no.2 shaft - medium to large.
- 123. Powers or Tod House slope - small.

Water

The town of Churchill is near the center of a large basin of excellent coal which has been extensively mined. The mining was so thorough that the following mines are connected underground and are filled with a large body of water: Foraker no.2, Niles, Campbell, Churchill, High Tone, Centennial, Punkin, and Kline. The Foraker no 2 was the last of these to operate and on July 5, 1896 when the water from the other old mines broke through into the Foraker it rose 120 feet up the shaft almost instantly. These mines formerly drained through an outlet into the stream near the Punkin shaft, and this outlet ceased to flow for a short time after the breakthrough into the Foraker no. 2. Girard now obtains its water supply from a well drilled into the Churchill slope workings just east of the schoolhouse in Churchill. Pumping water for this supply has lowered the level so that the outlet near the Punkin shaft is no longer active.

The Foraker no. 1 was not connected with the other mines and nothing is known concerning the water in it. The Powers was a small unimportant slope. The Hood slope was fairly large and is reported to be connected with the small Pinch Along. If this is true it would explain the excessive trouble they had with water in the Pinch Along. The Cedar Corners or Paris was a small to medium sized slope from which a fair sized stream of water flows. The Sodom is a large slope from which the water escapes into the creek just east of the opening.

9

MINE RECORDName Pinch AlongCo. Trumbull Twsp, Libertyformerly HayesSec, _____ Farm Tod JayneShaft x Slope _____Depth 100'Elevation 1115'

Abandoned _____

Open _____ with water within
Filled 23' of surface.

Operating _____

EXTENT OF OPERATION--

About an acre taken out.

Record:--

Cribbing	23'
Sandstone	
Shale	
Coal	2½' slabby
Fire clay	

Remarks:--

Open for 50 years but never very successful. Leases by David Stewart's father-in-law to some boys who sank the shaft. Had lots of water and used a 6" pipe pumping day and night. Water 23' from the surface. Cribbing all the way down to the water level. Several attempts have been made in recent years to operate none of which have been successful. Last was a year ago.

Source of information --

David Stewart

Recorder J.O.Fuller & M.T.SturgeonDate July 25, 1941

MINE RECORD

Name Sodom
McCurdy Coal Co.

Co. Trumbull Twsp. Liberty

Shaft _____ Slope X

Sec. _____ Farm Arms estate at present

Depth Over 100'

Elevation 1090'

Abandoned X

Open _____ Filled X

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Worked out 50 years ago.
Water comes out to the east in a creek
Exact location not fo und because of a fence.

Same as D/M #10

Source of information --

Recorder J.O.Fuller & M.T.Stergeon

David Stewart

Date July 25, 1941

9

MINE RECORDName Cedar Corners
Sampson Coal Co.Co. Trumbull Twsp. LibertyShaft _____ Slope X

Sec. _____ Farm _____

Depth _____

Elevation 1005'Abandoned XOpen _____ with water and
Filled rubbish

Operating _____

EXTENT OF OPERATION--

Record:--

*Never mapped according to E.D. Haseltine
Worked by John Sampson & Morris after it had 1st closed*

Remarks:--

Medium sized dump.

Fairly large hole suggestin slope which went to the northeast, now filled with water and rubbish.

Reddish mine water flowing out in a fair sized stream of water.

Air shaft about 25' north of slope.

Source of information --

Recorder J.O.Fuller & M.T.Sturgeon

location George Notman

Date July 29, 1941

MINE RECORD

Name Campbell (Churchill shaft) Co. Trumbull Twsp. Liberty
Morris Coal Co.
 Shaft x Slope _____
 Depth 165' about Elevation 1040'
 Abandoned x Sec. _____ Farm Sampson
 Operating _____ Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized dump

Coal hauled by narrow gauge steam engine down to Churchill

*This is at the location shown on D/M map #2*Source of information --
Bill DaganRecorder J.O. Fuller & M.T. SturgeonDate July 29, 1941

9

TBL 10 83 ✓

MINE RECORD

Name High Tone Co. Trumbull Twsp. Liberty
 Shaft x Slope _____
 Depth _____ Elevation 1085'
 Abandoned x Open _____ Filled with trash
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Large burned dump
 Material spread around over considerable area and opening filled
 with trash.

This location is shown on D/M map #19, see also D/M #2

Source of information --
 Bill Dagan

Recorder J. C. Fuller & M. T. Sturgeon

Date July 29, 1941

MINE RECORD

Name Punkin
Taylor mine

Co. Trumbull Twsp. Liberty

Sec. _____ Farm Peter Kline now
Lorentz

Shaft x Slope _____

Depth _____

Elevation 1025'

Abandoned x

Open _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--
Small operation

Record:--

Remarks:--

Old railroad track from several mines went by here and the dump was spread along the valley for considerable distance. The opening was filled in by C.W. A. sometime ago. Before they put in the pumping station at the school house for the Girard water supply an 8" flow of water came out of the valley wall somewhere near the mine at the level of the creek. Now that they are pumping at the Churchill entry it has ceased to flow and is only a seep.

See D/M #2

Source of information --

Bill Dagan

Recorder J.O.Fuller & M.T.Sturgeon

Date July 30, 1941

9

MINE RECORDName Hood
Arms Wick & Co.Co. Trumbull Twsp. Liberty
Tommy Lloyd
Sec. _____ Farm present ownerShaft _____ Slope xElevation _____ 1060'

Depth _____

Abandoned xOpen _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Fairly large bank.

Record:--

Remarks:--

Opened over 50 years ago and never opened since.
 Claim water came from Hood to the Pinch Along and that this was the
 reason for so much trouble with water at the Pinch Along.
 Large dump still left which is partially burned.
 Opening completely covered.

Source of information --
 David Stewart
 Bill Dagan

Recorder J.O. Fuller & M.T. SturgeonDate July 29, 1941

9

MINE RECORD

Name Centennial Co. Trumbull Twsp. Liberty
 Shaft x Slope _____
 Depth _____ Elevation 1050'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Sunk in 1876 therefore called the Centennial
 Apparently the shaft was right near the right away of the trolley
 line. It is now filled in with dirt and some tin cans.

This map is identified on D/M Maps 255.

Source of information --

Bill Dagan

Recorder J.O.Fuller & M.T.SturgeonDate July 30, 1941

9

/ MINE RECORD

Name Kline
Kline Coal Co.
Brier Hill Iron & Coal Co.
 Shaft _____ Slope x

Co. Trumbull Twsp. Liberty

Sec. _____ Farm Peter Kline

Depth _____

Elevation 1040'

Abandoned x

Open _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Shale
 Block Coal $3\frac{1}{2}$ to $4'$ $4\frac{1}{2}'$ maximum



Remarks:--

Opening faced west
 This is the largest dump observed in the whole area.
 Dump burned red
 Run $1\frac{3}{4}$ miles to the south.

This location is shown on D/M Map #2

Source of information --

Bill Dagan

Recorder J.O. Fuller & M.T. Sturgeon

Date July 29, 1941

9

MINE RECORD

Name Churchill slope
Morris Coal Co.

Co. Trumbull Twsp. Liberty

Shaft _____ Slope x

Sec. _____ Farm _____

Depth _____

Elevation 1085'

Abandoned x

Open _____ Filled with tin cans.

Operating _____

EXTENT OF OPERATION--
Large mine

Record:--

Remarks:--

Slope runs in from east to the west.
Girard now using water from this area by pumping from an old entry
of the mine
Very little dump left for it has been hauled away.

This location is shown on D/M Map #295

Source of information --
Bill Dagan

Recorder J.O. Fuller & M.T. Sturgeon

Date July 30, 1941

MINE RECORD

Name Niles
Niles Coal Co.

Co. Trumbull Twsp. Liberty

Sec. _____ Farm _____

Shaft x Slope _____

Elevation 1067'

Abandoned x

Open _____ Filled with rubbish and slump.

Operating _____

EXTENT OF OPERATION--

Record:--

Sandstone
shale roof
to northwest 4' coal called Brier Hill block.

Remarks:--

Coal shipped through the Great Lakes and the mines were idle in the winter when the lakes were frozen over.
Cone shaped opening with rotten cribbing.
Coal hauled to Campbell
Connects with others underground.

This location is shown on D/M map # 12

Source of information --

Mathew Goldie

Recorder J.O.Fuller and M.T.Sturgeon

Date July 30, 1941

9

MINE RECORD

Name Foraker no. 1 (Walp) Co. Trumbull Twsp. Liberty
Morris Coal Co. Formerly Walp
 Sec. _____ Farm now Taylor

Shaft x Slope _____

Depth 190' to 195' Elevation 1080'

Abandoned x Open _____ Filled _____

Operating _____

EXTENT OF OPERATION--

Shaft sunk 1889 and started to operate in 1890.

Record:--

Remarks:--

Not connected underground with the other Churchill mines.

Source of information --
 Bill Dagan
 Mathew Goldie

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 30, 1941

MINE RECORD

Name Foraker no. 2 (Goldie) Co. Trumbull Twsp. Liberty
 Shaft x Slope _____
 Depth 212' Elevation 1090'
 Abandoned x Open _____ with water
 Operating _____ Filled and slump.

EXTENT OF OPERATION--

Record:--

20' to solid
 sandstone
 Mostly shale roof
 3½' coal - block



[Click to enlarge](#)

Remarks:--

Last to operate in this region
 About 75' to water
 Cone-shaped shaft (double)
 Coal about 200' from the level of the land in this area.

This location is shown on D/M map #2

Source of information --
 Mathew Goldie
 Bill Dagan

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 30, 1941

MINE RECORD

Name Powers Bank (Tod House)
Moor Coal Co.

Co. Trumbull Twsp. Liberty

Sec. _____ Farm Powers

Shaft _____ Slope x

Elevation 975'

Abandoned x

Open _____ Filled graded

Operating _____

EXTENT OF OPERATION--

Small operation, thin coal.

Record:--

Remarks:--

Opened a long time ago and then reopened by Goldie's brother-in-law.
Never amounted to anything.

Source of information --

Mathew Goldie

Recorder J.O.Fuller & M.T.Sturgeon

Date August 6, 1941

10. HUBBARD

Location

The mines of this area lie in the southeastern corner of Hubbard Township. Its boundaries are; on the south the Trumbull-Mahoning County Line, on the west the Hubbard-Coitsville Road, on the north the Little Yankee Creek and on the east Little Deer Creek and the Pennsylvania line.

Mines

- 131. Charley Herbert slope - small.
- 132. Jenny Wheel slope - large.
- 133. Dan Smith slope - large.
- 134. Middle slope - small.
- 135. Chauncey Andrews slope ? - large.
- 136. P. Jacobs and Sons no. 1 shaft - large.
- 137. P. Jacobs and Sons no. 3 shaft - small.
- 138. Billy Bird slope - large.
- 140. Ab Lane slope - large.
- 141. P. Jacobs and Sons no. 2 shaft - small.
- 142. Veach and Burnett slope - large.
- 143. Panic shaft - small.
- 144. Reese Charles slope - large.
- 145. Brisbane slope - large.
- 153. Clingan shaft - small.
- 154. Clingan drain

Water

The Reese Charles and Brisbane mines lie west of a horseback which separates them from the group of mines to the east and southeast. Formerly there was a drain which had an outlet on the west side of Princeton Avenue. However, since the city of Hubbard installed a pumping station which draws water from the workings of the Reese Charles this drain has ceased to flow. The mines east of the horseback have a drainage outlet known as the Clingan drain in the creek south of the Veach Church. A 4" or 5" stream is flowing from this drain at present. The mines connected underground which feed this drain are the Clingan, Dan Smith, Middle slope, Ab Lane, Charley Herbert, and Jenny Wheel.

The Chauncey Andrews and P. Jacobs and Sons no. 1 mines may also be connected underground with this group of mines. There is a secondary drainage outlet for the above group of mines from an air shaft on the Norman Veach farm near the Clingan shaft on the north side of the diagonal road. The flow of water from this shaft is small.

The Jacobs and Sons no 3 shaft is still open and is filled with water to within five feet of the surface. An unsuccessful attempt to pump the water from this shaft was made several years ago. There are some small springs along the creek bed near the Veach and Burnett slope, and the drilled well at the Fedor farm nearby taps mine water which rises within 20 feet of the surface. There are no data concerning the water in the P. Jacobs and Sons no. 2, the Billy Bird and the Panic mines.



[Click to enlarge](#)

MINE RECORDName Jenny Wheel
JacksonCo. Trumbull Twsp. HubbardSec. _____ Farm MitshelaShaft _____ Slope XElevation 980'

Depth _____

Abandoned XOpen _____ Filled partially open
but slumped.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Large partially burned dump
 Shale visible above the opening
 Stigmara found
 One of the oldest mines in the region.
 Dan Smith was boss.
 Worked in 1860's and before.

Source of information --

Elmer Mitshela
 Van Dotti

Recorder J.O. Fuller & M.T. SturgeonDate August 30, 1941

MINE RECORD

Name Charley Herbert

Co. Trumbull Twsp. Hubbard

Shaft _____ Slope X

Sec. _____ Farm _____ Price _____

Depth _____

Elevation 975'

Abandoned X

Open _____ Filled slumped

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized dump grown over with brush and small trees. Worked across the road and back into the woods to the southeast. This was a clean up operation.

Source of information --
Norman Veach

Recorder J.O. Fuller & M.F. Sturgeon

Date August 30, 1941

MINE RECORD

Name Dan Smith

Co. Trumbull Twsp. Hubbard
B.F. Veach now

Sec. _____ Farm Price Bros.

Shaft _____ Slope x

Elevation 1005'

Depth _____

Abandoned x

Open _____ Filled slumped in

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Coal averages 40' to 50' deep around here. Deepest was in the Clingan shaft which was 90'.
Area well worked out even most of the crop coal is gone.
Coal in Mitshele well 3' thick
Mostly shale over the coal
Railroad mine
Between this and the Charlie Herbert there is a horseback which drilled through so that these connect underground.

Source of information --

Elmer Mitshele
Norman Veach

Recorder J.O. Fuller & M.T. Sturgeon

Date August 30, 1941

10

MINE RECORD

Name Middle slope Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope x
 Depth _____ Elevation 1005'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Small

Record:--

Remarks:--

In a plowed over field edge
 Operated after the Jenny Wheel

Source of information --
 Elmer Mitshele

Recorder J.O. Fuller & M.T. Sturgeon
 Date August 30, 1941

10

MINE RECORDName Chauncey AndrewsCo. Trumbull Twsp. HubbardSec. _____ Called Hanna Tract
Farm Andrews later boughtShaft _____ Slope ?Elevation 990'

Depth _____

Abandoned XOpen _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Source of information --
Elmer MitsheleRecorder J.O. Fuller & M.T. SturgeonDate August 30, 1941

10

MINE RECORDName P. Jacobs & Sons no. 3
(Williams)Co. Trumbull Twsp. Hubbard
Veach, Andrews bought
Sec. _____ Farm when they sank shaft
now Joe Kutzy.Shaft x Slope _____

Depth _____

Elevation 1072'Abandoned xOpen x Filled with water

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Was abandoned and filled and then re-opened.
Medium sized dump with much more sandstone than we have seen on most
dumps.

Shaft is double with water to within 5' of surface. Attempted to
pump it dry sometime ago and failed.

No. 3 was smaller than no. 2 and that was smaller than no. 1. They
lost all the money they made on no. 1 on the last 2.

Source of information --
Elmer MitsheleRecorder J.O. Fuller & M.T. SturgeonDate August 30, 1941

10

MINE RECORD

Name P. Jacobs & Sons no. 1. Co. Trumbull Twsp. Hubbard
 Shaft x Slope Sec. Farm Brown now Sutton
 Depth Elevation 980'
 Abandoned x Open Filled to within 10'
 Operating with dirt.

EXTENT OF OPERATION--

Record:--

Remarks:--

Large partially burned dump. Some sandstone with plant fossils
 and Trigonocarpus
 Railroad mine.

Source of information --

Elmer Mitshele

Recorder J.O.Fuller & M.T. SturgeonDate August 30, 1941

10

MINE RECORDName Bill Bird BankCo. Trumbull Twsp. HubbardSec. _____ Farm Tom MeersShaft _____ Slope xElevation 1070'Abandoned xOpen _____ Filled partially filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized dump.
Probably a railroad mine.

Source of information --

Elmer Mitshele

Recorder J.O. Fuller & M.T. SturgeonDate August 30, 1941

10

MINE RECORD

Name Ab. Lane Co. Trumbull Twsp. Hubbard
Chauncey Andrews Joe Mayres owned
 Sec. _____ Farm Originally Price
 Shaft _____ Slope X
 Depth _____ Elevation 1015'
 Abandoned X Open _____ partially opened
 Operating _____ Filled but slumped.
 EXTENT OF OPERATION---

Record:--

Remarks:--

Shale 8' thick above the opening. Opening partially filled with glacial boulders. There are several small openings in the immediate area. Some of these only worked for one winter and all of them are of very little importance.

Source of information --
 Van Dotti

Recorder J.O. Fuller & M.T. Sturgeon
 Date August 30, 1941

MINE RECORD

Name P. Jacobs and Sons no.2. Co. Trumbull Twsp. Hubbard
 Shaft x Slope _____
 Sec. _____ Farm V.G. Evanick
 Depth _____ Elevation 1048'
 Abandoned x
 Operating _____
 Open _____ Filled with dirt

EXTENT OF OPERATION--

Record:--

Remarks:--

South of the Evanick home where an Evanick daughter and her husband have built a home on the dump. The shaft was right at the SE. corner of the house but it has been filled in for many years. Railroad mine. Larger than P. Jacobs and Sons no. 3 but smaller than no. 1.

Some location as D/M #13

Source of information --

Evanick daughter
 Norman Veach

Recorder J.O. Fuller & M.T. Sturgeon

Date Sept. 2, 1941

10

MINE RECORD

Name Veach & Burnett Co. Trumbull Twsp. Hubbard
 Shaft x Slope _____
 Depth _____ Elevation 1030'
 Abandoned x Open _____ Filled with trash and dirt.
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Drilled well under the west corner of the front porch. The hole is 136' deep and water rose to within 20' of the surface. The water is reddish in color indicating mine water which Fedor uses in his dairy and also for drinking purposes. He estimates that he uses 2000 gallons a day.

Dump partially hauled away. 1100 loads hauled for road material at \$0.10 a load.

To the east of the opening several springs have a flow of mine water. Coal mined to the south but ran into a horseback to the north.

Source of information --

A. Fedor

Recorder J.O. Fuller & M.T. SturgeonDate Sept., 2, 1941

10

MINE RECORDName Panic
D. A. Williams ownerCo. Trumbull Twsp. HubbardSec. _____ Farm Formerly MarstellarShaft x Slope _____Elevation 1045'Abandoned xOpen _____ Filled with dirt.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Funnel shaped opening partially filled with dirt and with several trees growing in the hole.
 Medium sized dump composed mostly of shale with many plant fossils.
 Outcrops in creek of carbonaceous sandy shale.

Source of information --

Norman Veach

Recorder J.O. Fuller and M.T. SturgeonDate Sept., 2, 1941

MINE RECORD

Name Reese Charles Co. Trumbull Twsp. Hubbard
 Sec. _____ Formerly Sam Hines &
 Farm Cramer now Boye
 Shaft _____ Slope x
 Depth _____ Elevation 1020'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Formerly the water drained into the creek across Princeton Ave (west) now that the pumping station located to the south uses some of the water from this mine there is no overflow into the creek. On the east side of Princeton Ave. beyond the last house at present. Large widespread dump most of which is shale but with some sandstone.

Source of information --

Elmer Mitshele

Recorder J.O.Fuller & M.T. SturgeonDate Sept., 2, 1941

MINE RECORDName BrisbineCo. Trumbull Twsp. HubbardShaft _____ Slope xSec. _____ Farm Billy Brisbine
now W.T.A. Brown

Depth _____

Elevation _____

Abandoned xOpen _____ Filled with dirt

Operating _____

EXTENT OF OPERATION---

Record:--

Remarks:--

No evidence anymore of the exact location.

Air shaft to the east.

Railroad mine with large dump of shale.

Brown when putting a cellar in his barn ran into old workings.

He also dug a little coal out of this cellar.

Source of information --

Elmer Mitshele
W.T.A. BrownRecorder J.O. Fuller & M.T. SturgeonDate Sept. 2., 1941

10

MINE RECORD

Name Clingan Co. Trumbull Twsp. Hubbard
 Shaft x Slope _____
 Depth _____ Elevation 1000'
 Abandoned _____
 Operating _____ Open _____ Filled _____

EXTENT OF OPERATION--

Small pillar robbing operation

Record:--

Remarks:--

Much of Clingan's coal was cannel.
 While operating Clingan broke through to the Dan Smith workings. Previous to this he was using one pump. When he broke through he had to add another pump (6" or 8") and had to pull out faster than he had anticipated because he couldn't make money due to the increased cost of pumping. Veach says there was a ridge the Brisbane-Reece Charles and the group of mines to the southeast. These include the Clingan, Dan Smith, Middle slope, Charley Herbert, Jenny Wheel, and Ab Lane which are connected underground. Possibly the Chauncey Andrews and P. Jacobs and Sons no. 1 were also connected underground with this group. Apparently the low point of this group is under the Mishele farm according to Mishele.

Source of information --
 Norman Veach
 Elmer Mishele

Recorder J.O. Fuller & M.T. Sturgeon
 Date Sept. 2., 1941

MINE RECORD

Name Clingan drain Co. Trumbull Twsp. Hubbard
 Shaft x Slope _____
 Depth _____ Elevation _____
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:-- *By U.S. G.S.
 June 8-1943 Party: Tripp
 Width 2.2 area 0.81 Val. 0.26 Discharge 0.21 c.f.s.
 Made after wet period but no rain in last
 24 hours.*

*1.57 gal. per second
 94.2 " " minute
 5652.0 " " hour*

Remarks:--

Small dump right at creek. May have been an air shaft for some of larger slopes just across the road to the west. This dump is at the creek road intersection. The marked location is down the stream .2 of a mile. Here the water flows out of the drain dug by C.N. Clingan, in a stream which is about 4" in diameter. The drain was dug by Clingan to drain the water from the older operations so that he could recover some of the remaining coal. It was not to successful.

Source of information --
 Elmer Mitchele
 Norman Veach

Recorder J.O. Fuller & M.T. Sturgeon
 Date August 30, 1941

11. VIENNA - COALBURG

Location

The Vienna-Coalburg area is a large area. It includes all the mines in Vienna township, the mines in Liberty township east of Crab Creek; and the mines in Hubbard and Brookfield township west of Little Ynakee Creek.

Mines

36. Ganow shaft- medium, now reopened as Vienna Coal Mining Co.
37. Shoo Fly slope-large.
38. Cork and Bottle slope - medium.
39. Vienna no. 1 shaft - large.
40. Stewart shaft - small ?
41. Ragweed shaft - large
42. Carlton shaft - Large.
43. Brunswick shaft - small.
44. Holliday slope - medium
45. Barber shaft - large
46. Moore slope - large.
47. Corn Cob slope - small.
48. Blue Ribbon shaft - 4 or 5 acres of coal removed.
49. George Chamberlin shaft - large.
50. Rogers shaft - medium ?
51. McClurg shaft - large
52. Blackberry shaft - large.
53. Shady Side shaft - Medium.
54. Strip and at It shaft - ran 2 or 3 years.
55. Scovill shaft - ran 2 or 3 years.
56. Klondike shaft - small.
59. Garfield shaft. large.
60. Chinee shaft - large.
61. Hasson shaft - medium ?
62. Stewart slope - large.
63. Mahoning Coal Co. no 4 slope - large/
64. California slope - medium ?
- 65 Mahoning Coal Co. no. 3 slope - large.
66. Mahoning Coal Co. no. 8 slope - large.
67. Drake slope - large.
69. Mahoning Coal Co. no. 9 slope - About 30 acres taken out.
70. Mahoning Coal Co. no. 1 slope - 400 to 500 thousand tons.

Water

There is no readily available information to indicate that several of these mines are connected underground. Information on water difficulties and outlets from the mines was also meagre.

It was noted, however, that most of the openings which were not

completely filled with debris did have water in them. Usually the water was close to the surface. In addition, most of the mine dumps of this region had Sharon conglomerate in the debris along with much sandstone. Probably this indicates a good thickness of conglomerate below the coal and of sandstone above the coal. It would seem, therefore, that the water potentialities are better than the data would suggest on first impression. In the following mines something is known of the water and this is summarized after the name of the mine:

- 36. Ganow - reopened operation pumping 115 to 150 gallons/ min.
- 37. Shoo Fly - recently pumped to fill a small private lake, now filled with water.
- 39. Vienna no. 1 - filled with water.
- 47. Corn Cob - filled with water.
- 48. Blue Ribbon - water within 6 feet of surface, 2" pipe while operating.
- 54. Strip and at It - water to within 6 or 8 feet of the surface
- 55. Scovill - water within 3 feet of surface, 3" pipe in shaft/
- 56. Klondike - water within 4 feet of surface, much water.
- 59. Garfield - water to within 8 feet of surface.
- 60. Chinee - water used to fill private lake on Harrington estate and pumps still present.
- 61. Hasson - water not visible at 40' but could be heard.
- 63. Mahoning no. 4 - water seeps out at shaft opening.
- 67. Drake - a little water in the slope.
- 69. Mahoning no. 9 - water runs out at lower end of house into the lake.
- 70. Mahoning no. 1 - 4" pipe to keep it dry while operating.

MINE RECORD

Name Now Vienna Coal Mining Co.
Ganow Co. Trumbull Twsp. Vienna
 Morris Sampson?
 Shaft x Slope _____
 Sec. _____ Farm _____
 Depth 125' Elevation 1182'
 Abandoned _____
 Operating x Open x Filled _____

EXTENT OF OPERATION--

This shaft was the last to open when this whole region was operating and when the others closed the railroad decided they couldn't afford to operate their tracks just for this operation and they pulled out and left them stranded. Old operation ran about 4 years and when the railroad left it closed. Someone with obsolete equipment tried to operate-it unsuccessfully 2 years ago. They opened the shaft and then sold to the present operator, James Palarmo of W. Kentucky Ave. Sebring Last winter they worked out about 2 acres and this summer have been cleaning out old entries to the west. They have installed more modern machinery and hope to take out more coal this winter per day.

Record:

Cribbing	30'
Shale	24'
Sandstone, cross-bedded	32' approximate
Shale, arenaceous, with abundant plant fossils some of which is removed to obtain a good roof.	32' "
Coal, variable, channel coal 10" average varies in vein and also in thickness. Total coal is	40" average.
Underclay, local	5"
Sharon conglomerate	10'

Remarks:--

Coal is bituminous with a Maximum thickness of 6'. Channel coal is present. It is more abundant to the east and it is to the east that the coal thickens, i.e. channel is thickest in the basins. Because channel is harder to cut with the machine they would rather have thinner coal and no channel and are, therefore, opening to the west where there is less channel.

Rolls are encountered in the mine. The coal dips strongly away from the bottom of the shaft and they have had to dig a sump 10' into the conglomerate, but a little way from the shaft the coal rises sharply again. The face runs N 26° E. Pumps run continuously pumping from 115 to 150 gallons per minute.

Source of information --

Thomas Blackburn

Recorder J.O. Fuller & M.T. SturgeonDate July 22, 1941
[Click to enlarge](#)


11

MINE RECORD

Name Shoo Fly
Andrews & Co.

Co. Trumbull Twsp. Vienna

Shaft _____ Slope x

Sec. _____ Farm _____

Depth 80' to the coal.

Elevation 1165'

Abandoned x

Open _____ Filled with water

Operating _____

EXTENT OF OPERATION--
Operated 5 or 6 years.

Record:--

Remarks:--

A strike was supposed to have closed this operation, but others claim that it was worked out. Recently pumped to fill a small private lake and at this time they observed old cars etc. thrown into the opening.

Source of information --

Seymore Perkins

Recorder J.O. Fuller & M.T. Sturgeon

Date July 23, 1941

MINE RECORD

Name Cork & Bottle
Vienna Coal & Iron Co.

Co. Trumbull Twsp. Vienna
 Formerly Wheeler
 Sec. _____ Farm now Eli Taiclet

Shaft _____ Slope X

Depth 80' down slope to S.

Elevation 1165'

Abandoned X

Open _____ Filled with trash

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Conglomerate found on the dump.

This location fits D/M map #7

Source of information --

Seymore Perkins

Recorder J.O. Fuller & M.T. Sturgeon

Date July 23, 1941

11

MINE RECORD

Name Vienna Coal & Iron Co. no. 170. Trumbull Twsp. Vienna

Shaft x Slope _____ Sec. _____ Farm _____

Depth 120' Elevation 1175'

Abandoned x Open _____ Filled with water and
limbs and stumps

Operating _____

EXTENT OF OPERATION--

Record:--

0' to 4½' coal with average about 3'.

Remarks:--

Didn't mine to the south
Location fits D/M #8

Source of information --
Seymore Perkins

Recorder J.O.Fuller & M.T.Sturgeon
Date July 23, 1941

11

MINE RECORD

Name Stewart Bank

Co. Trumbull Twsp. Vienna

Shaft x Slope _____

Sec. _____ Farm now Church

Depth 105' or 106'

Elevation 1182'

Abandoned x

Open _____ Filled covered

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Old windmill at shaft opening.
Same location as D/M map 11/14, Stewart shaft

Source of information --
Seymore Perkins

Recorder J.O.Fuller & M.T.Sturgeon

Date July 23, 1941

MINE RECORDName Ragweed
Vienna Coal & Iron Co.Co. Trumbull Twsp. Vienna
McMaster formerly
Sec. _____ Farm now BrunswickShaft x Slope _____Depth 100' aboutElevation 1178'Abandoned xOpen _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Seymore Perkins

*Ragweed Sh shown on map 16 (D/M # 11) appears to fit the location of the Brunswick mine - #43.*Source of information --
Seymore PerkinsRecorder J.O. Fuller & M.T. SturgeonDate July 23, 1941

11

MINE RECORDName Carlton Bank
Vienna Coal & Iron Co.Co. Trumbull Twsp. ViennaShaft x Slope _____Sec. _____ Farm BrunswickDepth 100' to 110'Elevation 1187'Abandoned xOpen _____ Filled with rubbish

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Considerable dump indicating a fairly large operation.

*Same location as Harrison mine, D/M map # 11*Source of information --
Seymore Perkins
Bill BrunswickRecorder J.O. Fuller & M.T. SturgeonDate July 23, 1941

MINE RECORD

Name Brunswick Co. Trumbull Twsp. Vienna
 Shaft X Slope _____
 Depth _____ Elevation 1198'
 Abandoned X Open _____ Filled with dirt _____
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

In back yard of the old Brunswick house is a old opening which is now filled and grassed over. Perkins says that it never amounted to much.

See #41 - Ragwood sh shown on D/M #11 (#16 Trumbull) appears to fit this location

Source of information --
Seymore Perkins
Bill Brunswick

Recorder J.O.Fuller & M.T.Sturgeon
Date July 23, 1941

11

MINE RECORDName Holliday
Chauncey AndrewsCo. Trumbull Twsp. ViennaSec. _____ Farm BrunswickShaft _____ Slope x

Depth _____

Elevation 1178'Abandoned xOpen _____ Filled with rubbish

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized dump.
Conglomerate observed on the dump.Source of information --
Seymore PerkinsRecorder J.O. Fuller & M.T. SturgeonDate July 23, 1941

MINE RECORD

Name Barber Co. Trumbull Twsp. Vienna
 Shaft X Slope _____
 Sec. _____ Farm Barber
 Depth 100' about Elevation 1190'
 Abandoned X Open _____ Filled with rubbish
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Moderate sized dump.

Source of information --

Seymore Perkins

Recorder J.O.Fuller & M.T. SturgeonDate July 23, 1941

11

MINE RECORD

Name Moore Bank Co. Trumbull Twsp. Vienna
 Shaft _____ Slope X Sec. _____ Farm _____
 Depth _____ Elevation 1130'
 Abandoned X Open _____ Filled _____
 Operating _____

EXTENT OF OPERATION--
 Worked out several acres.
 Worked over 50 years ago.

Record:--

Remarks:--
 Stopped because of a family squabble.

Source of information --
 Seymore Perkins
 Joe Foder

Recorder J.O.Fuller & M.T. Sturgeon
 Date July 23, 1941

MINE RECORD

Name Corn Cob Bank
Wawkin Bros. of Hartville

Co. Trumbull Twsp. Vienna
Formerly John Stewart
Sec. _____ Farm now Miller

Shaft _____ Slope x

Depth 80' down slope

Elevation 1115'

Abandoned x

Open x Filled with water

Operating _____

EXTENT OF OPERATION--

Record:--

Average of coal is 3' ran from 0 to 4½'

Remarks:--

A few white quartz pebbles found on the dump suggesting Sharon cong.
Small dump
Coal bad.
In the lane east of the mine the coal was 30' below the surface.
Near the slope the coal was 70' down although this point was lower on the surface. Between these points there is about 100' horizontally.
This data obtained from drill holes and reported by Fred Stewart.

Source of information --
Seymore Perkins
Fred Stewart

Recorder J.O.Fuller & M.T:Sturgeon
Date July 24, 1941

MINE RECORDName Blue Ribbon Mine
Wall Bros.Co. Trumbull Twsp. ViennaSec. _____ Farm Fred StewartShaft x Slope _____Depth 100'Elevation 1155'Abandoned x March 1937Open _____ Filled within 6' of
with water to
surface.

Operating _____

EXTENT OF OPERATION--

Took out 4 or 5 acres of coal.

Record:--

Mantle	16'
Shale	
Black shale	
Sandstone	50'
Red Shale	6' to 8'
Coal	6' about $\frac{1}{2}$ is cannel
Conglomerate	

Remarks:--

When the coal thins the cannel thins and drops out completely. The thinnest coal in this mine was $5\frac{1}{2}'$ and it was free from cannel. In this mine the coal is fairly regular as far as levelness is concerned although there is a dip to the southeast. During operation a 2" pipe was sufficient to keep the mine dry. In front of the Stewart home a well was drilled 72' to the conglomerate but no coal was found. Across the road about 140' away to the east there is a well in which the conglomerate is 32' deep with no coal above it.

Source of information --

Seymore Perkins
Fred StewartRecorder J.O. Fuller & M.T. SturgeonDate July 24, 1941

11

MINE RECORD

Name George Chamberlin Co. Trumbull Twsp. Vienna

Sec. _____ Farm _____

Shaft x Slope _____

Depth _____

Elevation 1185'

Abandoned x

Open _____ Filled with rubbish

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--
A good coal which has been worked out.

Source of information --
Seymore Perkins

Recorder J.C.Fuller & M.T. Sturgeon

Date July 24, 1941

11

MINE RECORD

Name Rogers Bank Co. Trumbull Twsp. Vienna
 Shaft X Slope _____
 Depth 100' Elevation 1170'
 Abandoned X Open _____ Filled with dirt.
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Conglomerate observed which was much iron-stained and had pebbles of iron carbonate. Not a clean and pure looking as the usual conglomerate.

Source of information --
 Seymore Perkins

Recorder I.O. Fuller & M.T. SturgeonDate July 24, 1941

MINE RECORD

Name Mc Clurg
Brunswick operated

Co. Trumbull Twsp. Vienna

Shaft x Slope _____

Sec. _____ Farm Mc Clurg

Depth 80' Elevation 1125'

Abandoned x

Open _____ Filled with dirt.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

West of the Golf Course along a telephone line there is evidence of a shaft but little of the dump is left.

North of the McClurg mine Seymore Perkins says the rock is 80' deep while not far away it is 20' deep and he thinks there is an old river channel here.

Source of information --

Seymore Perkins

Recorder J.O. Fuller & M.T. SturgeonDate July 24, 1941

MINE RECORD

Name Blackberry
Vienna Coal & Iron Co.

Co. Trumbull Twsp. Vienna
 now Pugh
 Sec. _____ Farm McClurg formerly

Shaft x Slope _____

Elevation 1158'

Abandoned x

Open _____ Filled with trash

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Fairly large dump .
 Several air shaft along the creek.
 Supposed to be worked out and full of water.

Source of information --
 Grounds-keeper of Golf Course
 Seymore Perkins

Recorder J.O. Fuller & M.T. Sturgeon

Date July 24, 1941

MINE RECORD

Name Shady Side
 Morris Coal Co. operated by
 Evan Morris
 Shaft x Slope _____

Co. Trumbull Twsp. Vienna
 Formerly Stewart
 Sec. _____ Farm now Church.

Depth 100' about

Elevation 1165'

Abandoned x

Open _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

pieces of conglomerate on the dump which is medium sized.

Source of information --
 Grounds-keeper of Golf Course
 Seymore Perkins

Recorder J.O. Fuller & M.T. Sturgeon
 Date July 24, 1941

MINE RECORD

Name Strip and At It
Hamilton-Price

Co. Trumbull Twsp. Vienna

Shaft x Slope _____

Sec. _____ Farm Shoff

Depth 80' about

Elevation 1142'

Abandoned x

Open _____ Filled 8' water to within

Operating _____

EXTENT OF OPERATION--

Ran for 2 or 3 years.

Record:--

Remarks:--

Worked out
Conglomerate visible
Some cribbing showing.

Source of information --
Seymore Perkins
Mrs Shoff

Recorder J.O. Fuller & M.T. Sturgeon

Date July 24, 1941

MINE RECORD

Name Scovill Bank Co. Trumbull Twsp. Vienna
 Shaft x Slope _____
 Depth 80' Elevation 1140'
 Abandoned x Open _____ Filled within 3' with water to
 Operating _____

EXTENT OF OPERATION--

Worked 2 or 3 years

Record:--

3' to 3½' coal

Remarks:--

While operating it took a 3" pipe to keep the mine dry.
 Tipple still visible.

Source of information --

Seymore Perkins
 Brown

Recorder J.O.Fuller & M.T. SturgeonDate July 24, 1941

MINE RECORD

Name Klondike Co. Trumbull Twsp. Vienna
 Shaft x Slope _____
 Depth 76' Elevation 1160'
 Abandoned x Open x Filled with water to within 4' of surface.
 Operating _____

EXTENT OF OPERATION--

Less than an acre.
 400 or 500 tons.

Record:--

Sandstone
 Red grey hale over the coal.
 Good coal free of cannell 3'

Remarks:--

Abundant water while operating.

Source of information --

Seymore Perkins

Recorder J.O.Fuller & M.T.SturgeonDate July 24, 1941

11

MINE RECORD

Name Garfield
McCurdy, Margorem & Co.

Co. Trumbull Twsp. Liberty
Mike Hood
Sec. _____ Farm now Swartz

Shaft x Slope _____

Elevation 1150'

Depth _____

Abandoned x

Open x with water to within
Filled 8' of surface.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

A few beams of cribbing show in a double shaft opening

Source of information --
David Stewart

Recorder J.O.Fuller & M.T.Sturgeon
Date July 25, 1941

MINE RECORD

Name Chinee

Co. Trumbull Twp. Liberty
formerly Madison Powers
Sec. _____ Farm now Harrington

Shaft x Slope _____

Elevation 1182'

Depth _____

Abandoned x

covered with shed
Open with pumps in Filled _____
it.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized burned dump
Air shaft found east of mine opening about 300' which was filled
with rubbish.
The shaft is now covered with a little house which served as a
pump house for water to be sent to an artificial lake on the
Harrington estate.

Source of information --
David Stewart
Swartz

Recorder J.O.Fuller & M.T.Sturgeon

Date July 25, 1941

MINE RECORD

Name Hasson Mine

Co. Trumbull Twp. Liberty
formerly James Hasson

Shaft x Slope _____

Sec. _____ Farm now Wick estate

Depth _____

Elevation 1168'

Abandoned x

Open _____ x Filled and trash.
with water

Operating _____

EXTENT OF OPERATION--

Record:--

12' not cribbed
25' to 30' of cribbing
sandstone
no water visible because partially filled with trash but could hear
water dripping

Remarks:--

Source of information --

George Notman

Recorder J.O.Fuller & M.T.Sturgeon

Date July 25, 1941

MINE RECORDName Stewart BankCo. Trumbull Twsp. HubbardShaft _____ Slope XSec. _____ Farm Hugh BonnellDepth Over 100'Elevation 1105'Abandoned XOpen _____ Filled with dirt

Operating _____

EXTENT OF OPERATION--

Mined to the north about 3/4 of a mile.

Record:--

Remarks:--

Large dump to a long slope which runs southwest and is badly slumped in . Slight amount of conglomerate observed on the dump but it may be glacial.

Miss. with fossils (sandstone) found on the dump.

Shale seen in bank along wall of slope.

Same location as D/M #1

Source of information --

George Notman

Recorder J.O. Fuller & M.T. SturgeonDate July 25, 1941

MINE RECORD

Name Mahoning Coal Co. no. 4 Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope X Sec. _____ Farm Sotsellar
 Depth _____ Elevation 1045'
 Abandoned X Open _____ Filled with dirt.
 Operating _____

EXTENT OF OPERATION--

Record:--

[Click to enlarge](#)[Click to enlarge](#)

Remarks:--

Dump largely removed but water seeps and few timbers of shaft still remain. A large glacial boulder marks the old opening.

Source of information --
 George Notman

Recorder J.O. Fuller & M.T. SturgeonDate July 25, 1941

MINE RECORD

Name California Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope X Sec. _____ Farm _____
 Depth _____ Elevation 1025'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Mined after Mahoning Coal Co. no. 4 which lies to the west.
 Opening covered but the spoil pile is still present.
 Connected with the N.Y.C. Railroad.

Source of information --

George Notman

Recorder J.O.Fuller & M.T. Sturgeon

Date July 25, 1941

MINE RECORDName Mahoning Coal Co. no. 3Co. Trumbull Twsp. Hubbard

Mat Powers

Sec. _____ Farm now WickShaft _____ Slope x

Depth _____

Elevation 1052'Abandoned xOpen _____ Filled with rubbish

Operating _____

EXTENT OF OPERATION--

Operated for a long time.

Record:--

Remarks:--

Mahoning Coal Co. operated 3, 8, and 9 besides.

Same location as D/M #9

Source of information --

George Notman

Recorder J.O. Fuller & M.T. SturgeonDate July 25, 1941

MINE RECORD

Name Mahoning Coal Co. no 8 Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope x Sec. _____ Farm Doughton
 Depth _____ Elevation 1090'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Medium sized dump badly overgrown with hawthorn trees.
No. 3 and 8 connect underground.

Source of information --
George Notman

Recorder J.O.Fuller & M.T. Sturgeon
Date July 25, 1941

MINE RECORD

Name Drake bank

Co. Trumbull Twsp. Brookfield

Sec. _____ Farm Formerly Robert Montgomery

Shaft _____ Slope x

Depth _____

Elevation 1030'

Abandoned x

Open _____ Filled with rubbish and dirt and a little water.

Operating _____

EXTENT OF OPERATION--

Large

Record:--

Remarks:--

Conglomerate abundant around the dump

Source of information --

George Notman

Recorder J.O. Fuller & M.T. Sturgeon

Date July 25, 1941

MINE RECORD

Name No 9 Co. Trumbull Twsp. Liberty
Mahoning Coal Co. now Stauss
 Shaft _____ Slope X Sec. _____ Farm Tommy Wells
 Depth 167-170' 1' to the yard Elevation 1080'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--
 About 30 acres taken out.
 Stopped 57 years ago, finished in 1884.
 Operated 7 or 8 years

Record:--

Sandstone
 Shale

Coal $3\frac{1}{2}'$ approximate average- coal thickens in the hollows to a
 maximum of 5' Clean coal, no cannel.

Remarks:--

Water runs out at lower end of house into lake.
 They hit a hogback at the house to the north and stopped and then
 went east to take out the coal. Most of the pillars and ribs left.
 Mat Powers operated.

Source of information --

Davy Griffith

Recorder J.O.Fuller & M.T.SturgeonDate July 28, 1941

MINE RECORD

Name Mahoning Coal no. 1 Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope X
 Depth shallow Elevation 1045'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

400 to 500 thousand tons. Slope went west and came to the back of Albert Jones's lot in Coalburg.

Record:--

Sandstone
 Black shale
 Red shale
 Coal- clean, no cannel, good block.
 Fire clay

Remarks:--

When operating it took a 4" pipe to keep it dry.

Source of information --

Arthur Jones

Recorder J.O. Fuller & M.T. Sturgeon

Date July 28, 1941

12. LITTLE YANKEE CREEK

Location

This group of mines is bounded on the west and south by Little Yankee Creek, on the east by Little Yankee and Yankee Creeks, and on the north by the Brookfield-Sharon Road.

Mines

- 71. Long slope - large.
- 72. Klink slope - large.
- 73. Brass and Wire slope - large.
- 74. Cleveland shaft - large.
- 75. Brookfield slope - very large.
- 76. Brookfield drain.
- 77. Lane slope - large.
- 78. Applegate slope - large.
- 79. Cramer no. 3 slope - small.
- 146. Cramer no 2 slope - large.
- 147. Eureka slope - small.
- 148. Adams - small.
- 149. Cramer no. 1 slope - large.
- 150. Cramer drain.

Water

Most of these mines are connected underground and are drained by two large separate drains. The mines with known connections are the Cleveland and Adams shafts, and the Brookfield, Lane, Applegate, Cramer nos. 1, 2, and 3, slopes. The northern part of the area has its outlet at the Brookfield drift on the east side of the hill where a stream of water bubbles forth which would fill approximately a 10" to 12" pipe. The southern outlet is also on the east side of the hill and it is called the Cramer drain. Here a stream of water bubbles forth which is similar in volume to the northern drain. All these mines had trouble with water while operating and needed 5" or 6" pipes to keep them dry.

The Long slope appears, from present data, to be independent. It drains about 500' west of the slope in a stream of water 6"

wide and 2" deep. During its operation it took a 4" pipe to keep it dry. The Klink, and Brass and Wire are drifts on the eastern side of the ridge and do not seem to contain large amounts of water. The Eureka slope was a small very early operation and nothing is known of the conditions in the workings. The Eureka has a 4" tile drain down the hill which has a stream of water flowing from it in the Spring.

MINE RECORDName Long Bank
Mahoning Coal Co.Co. Trumbull Twsp. HubbardShaft _____ Slope X
150 yards down slope
Depth 100' vertically about.Sec. _____ Farm HallElevation 1000'Abandoned XOpen _____ Filled with slump

Operating _____

EXTENT OF OPERATION--

Record:--

Sandstone
 Black shale
 Red shale
 Coal $2\frac{1}{2}'$ to $4\frac{1}{2}'$ - good block coal
 Fire clay variable
 Conglomerate.

Remarks:--

When operating it took about a 4" pipe to keep dry pumping 24 hours a day. There is a drain 500' west of the slope from which the water flows in a stream 6" wide and 2" deep. It has the usual iron-stained color. The dump is large and spread over a wide area. Remnant of the old railroad right of way gave a clue to the location of the slope which was badly slumped.

Source of information --

Arthur Jones

Recorder J. O. Fuller & M. T. SturgeonDate July 28, 1941

MINE RECORD

Name Klink Co. Trumbull Twsp. Brookfield
Witch Hazel Coal Co.
 Shaft _____ Slope x Sec. _____ Farm now Stieb
 Depth _____ Elevation 1040'
 Abandoned x Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Mined a lot of coal to the east and north especially.

Record:--

Remarks:--

Mine stopped 30 years ago and all material taken away 17 years ago. Once had bridge over the road and a large dump which has been removed. At present there is a fair sized dump. Evidently this was a large mine. Was a slope with a engine west of the road which pulled the cars out. The slope must have practically gone in on the coal for there is Sharon in the little ravine. There is sandstone below the conglomerate and also massive sandstone above which has been quarried in a minor way. The conglomerate does not show very large pebbles and is only several feet thick, East of the opening up the creek is an old air shaft now filled with dirt and branches.

Source of information--

Mrs. Stieb

Recorder J.O.Fuller & M.T.Sturgeon

Date July 28, 1941

MINE RECORD

Name Brass and Wire Co. Trumbull Twsp. Brookfield
Mahoning Coal Co. later
Witch Hazel Coal Co. Sec. _____ Farm Clark
 Shaft _____ Slope Drift
 Depth _____ Elevation 1050'
 Abandoned X Open _____ Filled _____
 Operating _____

EXTENT OF OPERATION--

Record:--

2' to 3' of poor coal with lots of sulphur 2'8" top

Remarks:--

Hard coal with pebble rock (conglomerate) varying from 0 to 40' thick. In ravine small opening working on coal which has been mined out by an older mine. There is a large burned dump of the old operation. The foreigner who is now working the edges of the outcrop has been here 20 years. He said the operation is now completely worked out. The coal is 30" thick with brownish shale over it and in some places fire clay under it while at other places there is sandstone. The coal is badly weathered and contains much sulphur.

Source of information --

Robert Patterson

Recorder J.O. Fuller & M.T. SturgeonDate July 28, 1941

MINE RECORD

Name Cleveland Co. Trumbull Twsp. Brookfield
 Payne Newton & Co. Formerly Clark
 Otis Coal Co. later Brookville Coal Co Farm now Melnick
 Shaft x Slope _____
 Depth About 160' Elevation 1155'
 Abandoned x Open _____ Filled with trash
 Operating _____

EXTENT OF OPERATION--
 Worked for years

Record:--

Sandstone
 Black shale
 Red shale
 3' to 5' of block coal
 Fire clay
 Conglomerate

Remarks:--

Lots of water. During operations took 4" or 5" pipe to keep it dry.
 Connected underground with the Brookfield slope
 Funnel shaped shaft with 15' of dirt and then 15' of sandstone.

Source of information --

Arthur Jones
 Bob Patterson

Recorder J.O.Fuller & M.T.SturgeonDate July 28, 1941

MINE RECORD

Name Brookfield Co. Trumbull Twsp. Brookfield
Brookfield Coal Co.
 Shaft _____ Slope X
 Depth _____ Elevation 1105'
 Abandoned X Open _____ Filled with dirt
 Operating _____

EXTENT OF OPERATION--

Record:--

*U.S. G. S.,
 June 8-1943 Party: Tripp
 Width: 4.2 area 2.11 vol. 1.08 Discharge 2.28 c.f.s.*

*17.05 gal. per second
 1,023. " " minute
 61,380 " " hour
 736,560 " " day*

Remarks:--

This slope is connected with the incline where a large stream of water drains this mine and the Cleveland. Evidently a very large mine judging from the size of the dump and the extent of operation. Used engine on the incline and the heavies going down helped to pull the light cars up and thus reduced the power problem.

Same location as D/M #20

Source of information --

Recorder J.O.Fuller & M.T. SturgeonDate July 28, 1941

MINE RECORDName Lane
Andrews and HitchcockCo. Trumbull Twsp. Hubbard

Sec. _____ Farm _____

Shaft _____ Slope xDepth 300 yards along slope
140' to 150' vertically.Elevation 1040'Abandoned xOpen _____ Filled with trash

Operating _____

EXTENT OF OPERATION--

Very large

Record:--

Sandstone
Black shale
Red shale
Block coal 3' to 5'
Fire Clay[Click to enlarge](#)

Remarks:--

Lots of water. While operating it took a 5" or 6" pipe to keep mine dry.

Old slope filled with dirt and trash at present.

Fairly large dump.

Lane connected with the Brookfield slope and the Cramer mines and also the Cleveland and Applegate. The Roshitsh Bros. in their youth crawled from the lane underground to the Brookfield slope. Over 2000 people working in the Lane and Cramers at one time.

*The location of this mine fits that of the Love mine,
D/M map #18*Source of information --
George Notman
Arthur Jones
Roshitsh Bros.Recorder J.O. Fuller & M.T. SturgeonDate July 29, 1941

MINE RECORD

Name Applegate Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope x
300 yards down the slope
 Depth 150' to 200' vertically. Elevation 1040'
 Abandoned x Open _____ Filled Slumped and filled with dirt.
 Operating _____

EXTENT OF OPERATION--

Mined a large area to the north and northeast toward Masury.

Record:--

Sandstone
 Black shale
 Red shale
 3½' to 4' coal - block
 Fire clay

Remarks:--

During operations it took a 5" or 6" pipe to keep mine dry.
 Very good coal
 Lane, Applegate and Cramers all connected underground.
 Large operation according to the amount of dump. Exact location not possible. The most likely place is badly slumped but there are several other openings in the immediate area one of these appears to be a more recent shaft.

D/M #4 is called the Applegate mine but it is questionable that it is the same mine.

Source of information --

Mat Jewell
 George Notman
 Arthur Jones

Recorder J.O. Fuller & M.T. SturgeonDate July 29, 1941

MINE RECORD

Name Cramer no 3
Andrews and Hitchcock

Co. Trumbull Twsp. Hubbard
Formerly Minglin, then
Sec. _____ Farm Cramer, now Resser

Shaft _____ Slope X

Depth 150' to 200' about

Elevation 1030'

Abandoned X

Open _____ Filled with rubbish

Operating _____

EXTENT OF OPERATION--

Record:--

Sandstone
Black shale
Red shale
Coal 3' to 5'
Fire clay

*U.S. G.S.
June 8-1943 party: Tripp
width 2.7 area 2.27 Val. 0.71 Discharge 1.62 c.f.c.*

*12,118 gal. per second
727,08 " " minute
43,624.8 " " hour
523,488 " " day*

Remarks:--

A tunnel on the south side of the road was dug to drain the Cramer 1 & 2 and the Lane. A large stream of water flowed from this tunnel. Later Price filled the tunnel with underclay and partially stopped the flow of water. The filling caused enough damming to stop work on small operation working crop coal on the west side of the hill. because of water. One of these operations was run by the Roshitsh brothers.

Medium sized dump with lots of sandstone visible. Slope filled with trash. Cramer was the mine boss in Cramer 1 & 2 and left roof fall in no 1 to the east. He then bought the farm to the east and expected to recover the coal beneath it. He figured that Andrews and Hitchcock wouldn't bother to sink another slope to recover this small block of coal. Andrews and Hitchcock were mad and so they sank a slope and recovered the coal in spite of the additional expense.

Source of information --
George Notman
Arthur Jones
Roshitsh brothers.

Recorder J.O.Fuller & M.T. Sturgeon

Date July 29, 1941

MINE RECORDName Cramer no 2
Andrews & HitchcockCo. Trumbull Twsp. Hubbard
Formerly Halls
Sec. _____ Farm now MarshallShaft _____ Slope X

Depth _____

Elevation 1018'Abandoned XOpen _____ Filled caved in.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Moderately large dump with quite a bit of sandstone.
Large railroad mine.*The location of this mine fits that of the Burnett mine, D/M Map #18*Source of information --
Wm. Swartz
Roshitsh brothersRecorder J.O. Fuller & M.T. Sturgeon
Date Sept. 2, 1941

12

MINE RECORDName Eureka (Euchre)Co. Trumbull Twsp. HubbardSec. _____ Farm now RoshitshShaft _____ Slope X

Depth _____

Elevation 988'Abandoned XOpen _____ Filled completely covered.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Operated before the Cramers and was the first coal mine in this region. Small operation which went to the coal 20' to 28' below. (Roshitsh brothers have worked the crop coal close to this opening and the depth is from their experience). In the Spring of the year there is a flow of water about 3" in size from a tile which drains this opening.

Source of information --
Roshitsh brothers
R.D. #2 Hubbard

Recorder J.O. Fuller & M.T. SturgeonDate Sept 2, 1941

MINE RECORD

Name Adams Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope _____
 Depth _____ Elevation 1018'
 Abandoned x _____
 Operating _____ Open _____ Filled graded

EXTENT OF OPERATION--

Over 40 years ago this was a pillar robbing operation on the Cramer mines.

Record:--

Remarks:--

Near white house. Opening completely covered.

See D/M Map #18 Trumbull Co.

Source of information --
 Roshitsh brothers

Recorder J.O. Fuller & M.T. Sturgeon

Date Sept. 2, 1941

MINE RECORD

Name Cramer no. 1 Co. _____ Twsp. _____
Andrews & Hitchcock Formerly Minglin, then
 Sec. _____ Farm Cramer, now Resser
 Shaft _____ Slope X
 Depth _____ Elevation 1020'
 Abandoned X
 Operating _____ Open _____ Filled with dirt

EXTENT OF OPERATION---

Record:--

Remarks:--

Fairly large wide-spread dump with considerable sandstone. Region has numerous holes but what seemed to be main opening was slumped in and filled with dirt. Large operation. Railroad mine. Just north of the dump of the Standard Slag Co.

Source of information --

Roshitsh brothers

Recorder J.O. Fuller & M.T. SturgeonDate Sept. 3, 1941

12

MINE RECORD

Name Cramer drain Co. Trumbull Twsp. Hubbard
 Shaft _____ Slope tunnel Sec. _____ Farm _____
 Depth _____ Elevation _____
 Abandoned x Open _____ Filled with slump
 Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

Large stream (about 10" or 12") of mine water which is supposed to be drain for Cramers and Lane and the partial drain for the Brookfield etc. which are connected underground. This is the opening which Price partially blocked with fire clay and flooded the mines to the northwest.

In the immediate area there is a dump which was probably the location for the small Price operation.

Sandstone outcrops along the road at the top of the hill and shows glacial striae which strike N 8° W.

Source of information --

Roshitsh brothers

Recorder J.O.Fuller & M.T. SturgeonDate Sept. 3, 1941

CITY OF GIRARD, OHIO

HEALTH DEPARTMENT

April 10, 1942

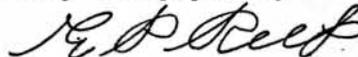
Department of Education
Division of Geological Survey
Orton Hall, Ohio State University
Columbus, Ohio

Attention: Mr. J. Osborn Fuller

Dear Sir:

I am in receipt of your communication and wish to advise you the number of gallons of water pumped from the well on Church Hill Road per day is 380,000 gallons. No tests have been made to find out the maximum that could be pumped per day.

Very truly yours,



E. P. Reep, Chemist

EPR:ju

13. SHARON

Location

This area forms a steep-walled V - shaped ridge just west of Sharon, Pennsylvania. The east bar of the V is the state line, and the west bar is Yankee Creek. The northern boundary of the area is the Brookfield- Hartford township line.

Mines

- 151. Curtis no. 1 - large drift.
- 152. Curtis no. 2 - large drift.

Water

The Curtis (Curtis & Boyce) drifts are on the opposite sides of the V-shaped ridge. No. 2 on the west side has water flowing out of it in a 3" stream and there is also supposed to be a drain on the McMullen farm to the northwest. No. 1 drift, on the east side, has a flow of clear water 2" in diameter which is highly valued by the natives. They have built a spring house over the flow and it is used locally in spite of their having Sharon city water. On the west side of the hill there are numerous small openings which worked the crop coal and pillars of the old no 2 drift. These add collecting area to the basin and have no known independent drainage. The old no 2 never pumped but some of these operations had to pump.

MINE RECORDName Curtis no. 1
(Curtis and Boyce)Co. Trumbull Twsp. BrookfieldShaft _____ Slope Drift

Sec. _____ Farm _____

Depth _____

Elevation 1040'Abandoned XOpen _____ Filled Curtis school
playground.

Operating _____

EXTENT OF OPERATION--

Record:--

Remarks:--

This was the first Curtis and Boyce operation. The coal was sent down an incline to the river (Shenango) and shipped out. When they had drifted underground for some distance they decided to go to the other side of the hill and make a new opening. This was Curtis no. 2. For awhile coal was hauled over the crest of the hill and sent down the incline but later the tunnel went through to Curtis no. 1 and the coal was moved as formerly. Right behind the school is a spring of clear water which comes from the old opening. It is used for drinking purposes and has been covered by a cement structure. It has a steady flow of about 2".

Source of information --

Recorder J.O. Fuller & M.T. Sturgeon

Lauer

Date Sept. 3, 1941

MINE RECORD

Name Curtis no. 2 Co. Trumbull Twsp. Brookfield
 Formerly Lisle
 Shaft _____ Slope Drift Sec. _____ Farm now Lauer
 Depth _____ Elevation 1060'
 Abandoned X Open _____ Filled with slump
 Operating _____

EXTENT OF OPERATION---

Record:--

Sandstone
 Coal 6"
 Bone 12" this will burn but leaves a lot of ash.
 Coal 3'

Remarks:--

This mine never pumped while operating. The water came out the opening in a large stream (about 3") and in addition there was a drain on the McMullen farm to the northwest. There is a large dump in the valley with some sandstone. Part of the timbering of the drift is still standing. The opening is badly slumped and above it there is about 20' of sandy shale.

According to Lauer there is no coal north of Billy Jones operation which is a small operation about $\frac{1}{4}$ of a mile north and there is nothing south of Curtis no. 1. Lauer also says that there was more sulphur on this side of the ridge than on the east side and that this is one of the reasons they do not use the water on this side for drinking purposes.

Source of information --

Lauer

Recorder J.O. Fuller & M.T. SturgeonDate Sept. 3, 1941

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES BRANCH
404 ENGINEERING EXPERIMENT STATION
OHIO STATE UNIVERSITY
COLUMBUS, OHIO 10

September 1943

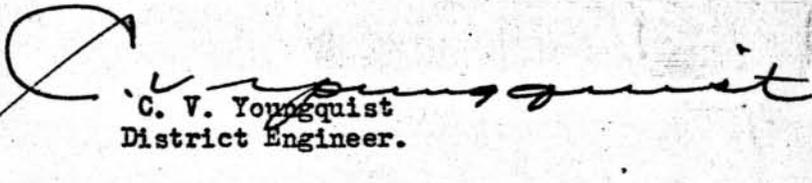
Dr. Wilber Stout, State Geologist
Orton Hall
Ohio State University
Columbus, Ohio

Dear Doctor Stout:

Measurements of the flow from mine drains in the
Youngstown area were made during August as follows:

<u>Date</u>	<u>Mine</u>	<u>Locality</u>	<u>Discharge in cubic feet per second</u>
Aug. 30, 1943	Lewis	Mineral Ridge	0.47
do	Cramer	Hubbard	1.00
do	A. & W. Powers	Youngstown	.48
do	Brookfield	Masury	1.31
do	Clingan	Hubbard	0.21

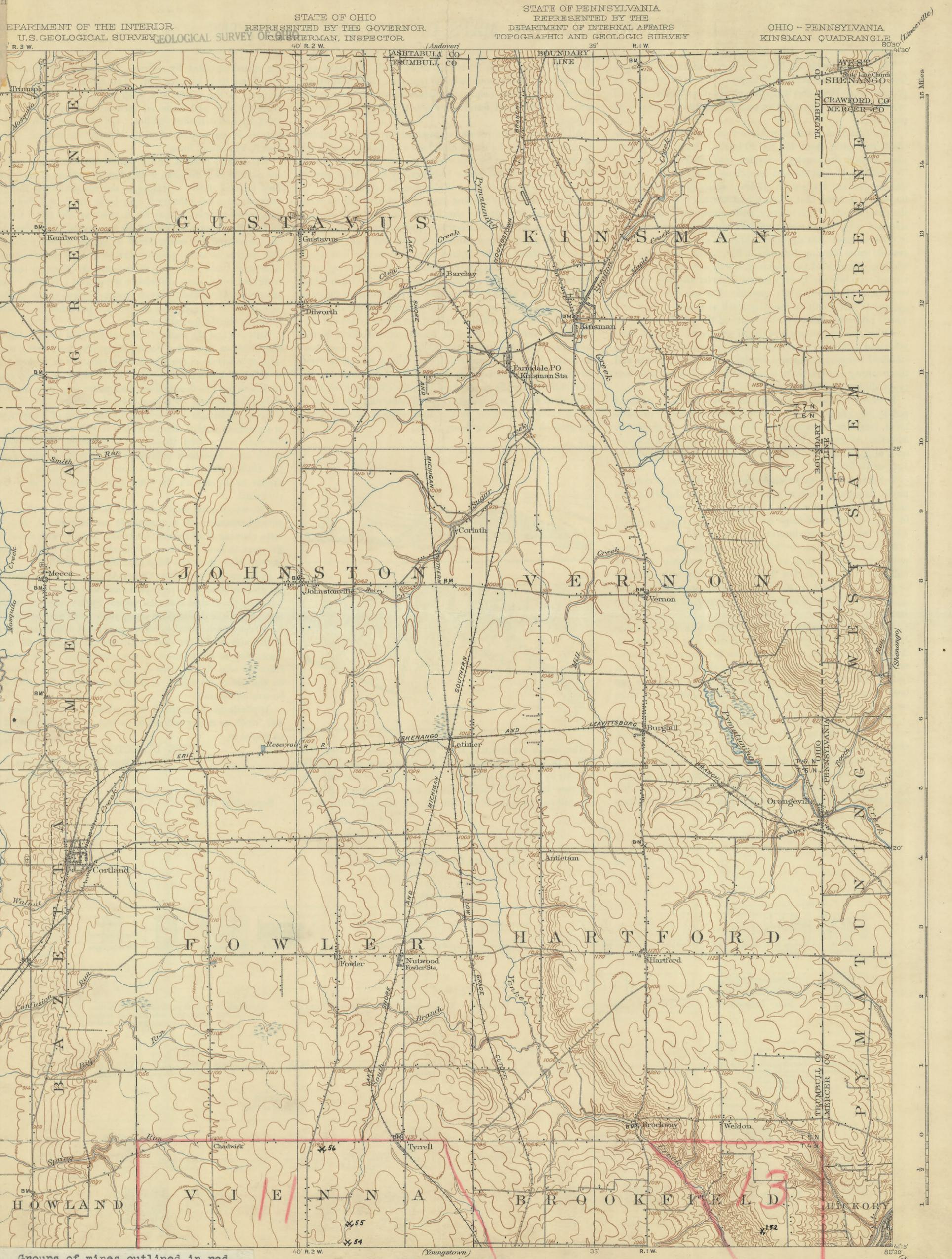
Very truly yours,


C. V. Youngquist
District Engineer.



54. Strip and
At It sh.
55. Scovill sh.
56. Klondyke sh.
152. Curtis #2
slope

sh. - shaft
sl. - slope



Groups of mines outlined in red.
11. Vienna - Coalburg.
13. Sharon

Scale 62500
1 2 3 4 5 Miles
1 2 3 4 5 Kilometers

Edition of 1907, reprinted 1929
Polyconic projection, North American datum

1-0100

54 Strip and
At It
55 Scovill
Bank
56 Klondike
152 Curtis
no.2

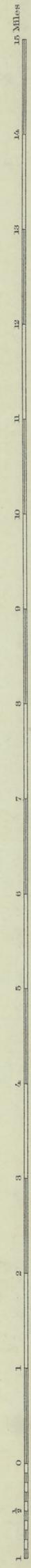
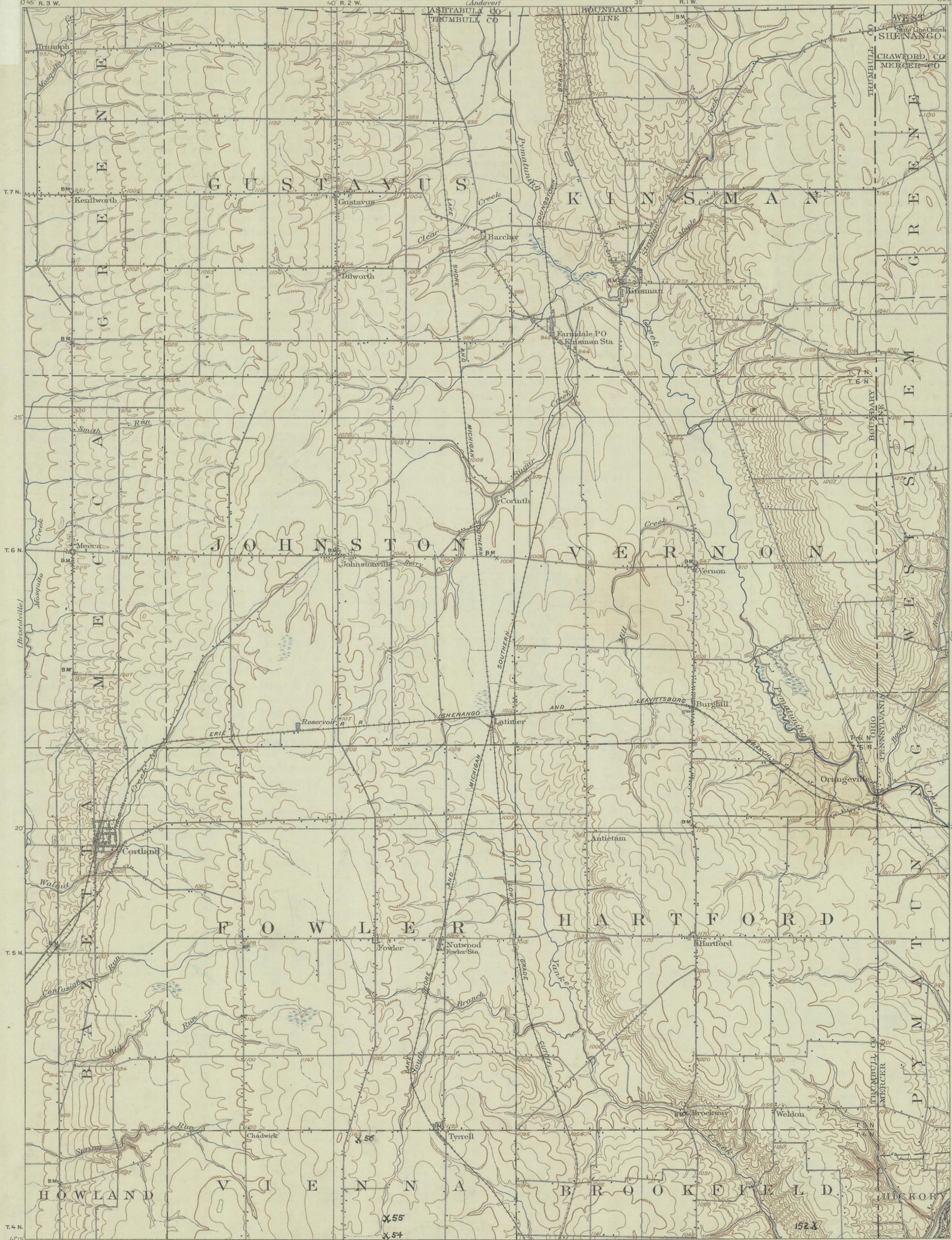
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF OHIO
REPRESENTED BY
C.E. SHERMAN

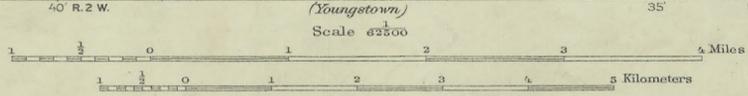
Sharon Coal Lines
of
Trumbull and Mahoning Counties
J. Osborn Fuller and M. T. Sturgeon
July - Sept., 1941

PENNSYLVANIA
UNITED BY THE
FEDERAL BUREAU OF
INTERNAL AFFAIRS
AND GEOLOGICAL SURVEY

OHIO - PENNSYLVANIA
KINSMAN QUADRANGLE



H.M. Wilson, Geographer.
Frank Sutton, in charge of section.
Topography by A.O. Burklund, Assistant, W.H.S. Morey.
Control by J.R. Ellis and D.C. Harrison.
Surveyed in 1905.



Edition of 1907, reprinted 1940
Polyconic projection, North American datum

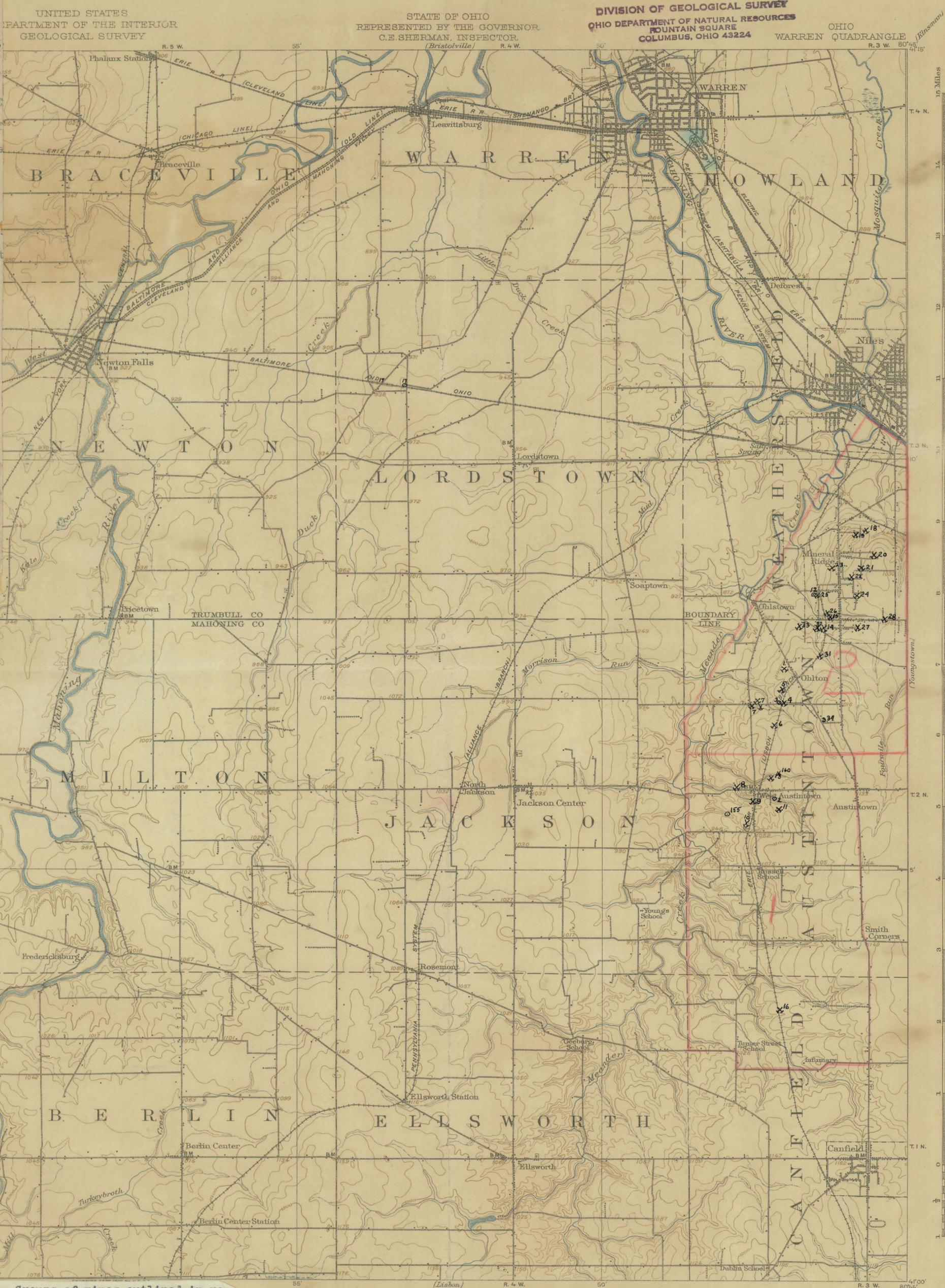
Contour interval 20 feet.
Datum is mean sea level.

KINSMAN, O.-PA.

- 1. Thornton sh.
- 2. C.H. Andrews pump shaft
- 3. Holmes well
- 4. Unnamed sh.
- 5. Ohlton sh.
- 6. Essential sh.
- 7. Hood & Lynn slopes
- 8. Bowman slope
- 9. Lewis shaft
- 10. Owens (Haroff) slope
- 11. Owens (Haroff) shaft
- 12. Mineral Ridge drain
- 13. C.H. Andrews slope
- 14. Hanssen sh.
- 15. Blunt slope
- 16. Cleveland sh.
- 17. B.&O.R.R. cut
- 18. Payne slope
- 19. New Found Out slope
- 20. Peacock sh.
- 21. Peacock sl.
- 22. Ashland sl.
- 23. Traveller's Rest slope
- 24. Morris & Price sl.
- 25. Lewis slope
- 26. Osborn sl.
- 27. Tod & Wells shaft
- 28. Morris & Price sh.
- 29.) see Youngs-
- 30.) town sheet
- 31. McKinney sh.
- 32. Bowman slope
- 33. Campbell sl.
- 34. Sandstone Quarry
- 155. Owens drain
- 160. Pennel sh.

sh. - shaft
sl. - slope

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 FOUNTAIN SQUARE
 COLUMBUS, OHIO 43224

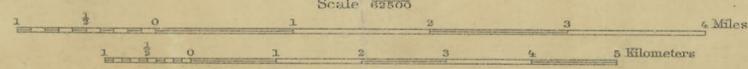


Groups of mines outlined in red
 1. West Austintown.
 2. Mineral Ridge + Ohlton.

SURVEYED IN COOPERATION WITH THE STATE OF OHIO.

APPROXIMATE MEAN DECLINATION 1906.

Contour interval 20 feet.
 Datum is mean sea level.



DIVISION OF GEOLOGICAL SURVEY
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 COLUMBUS, OHIO 43224
 WARREN, O.

Edition of Feb. 1908, reprinted 1937.

Geologic projection.

2-0100

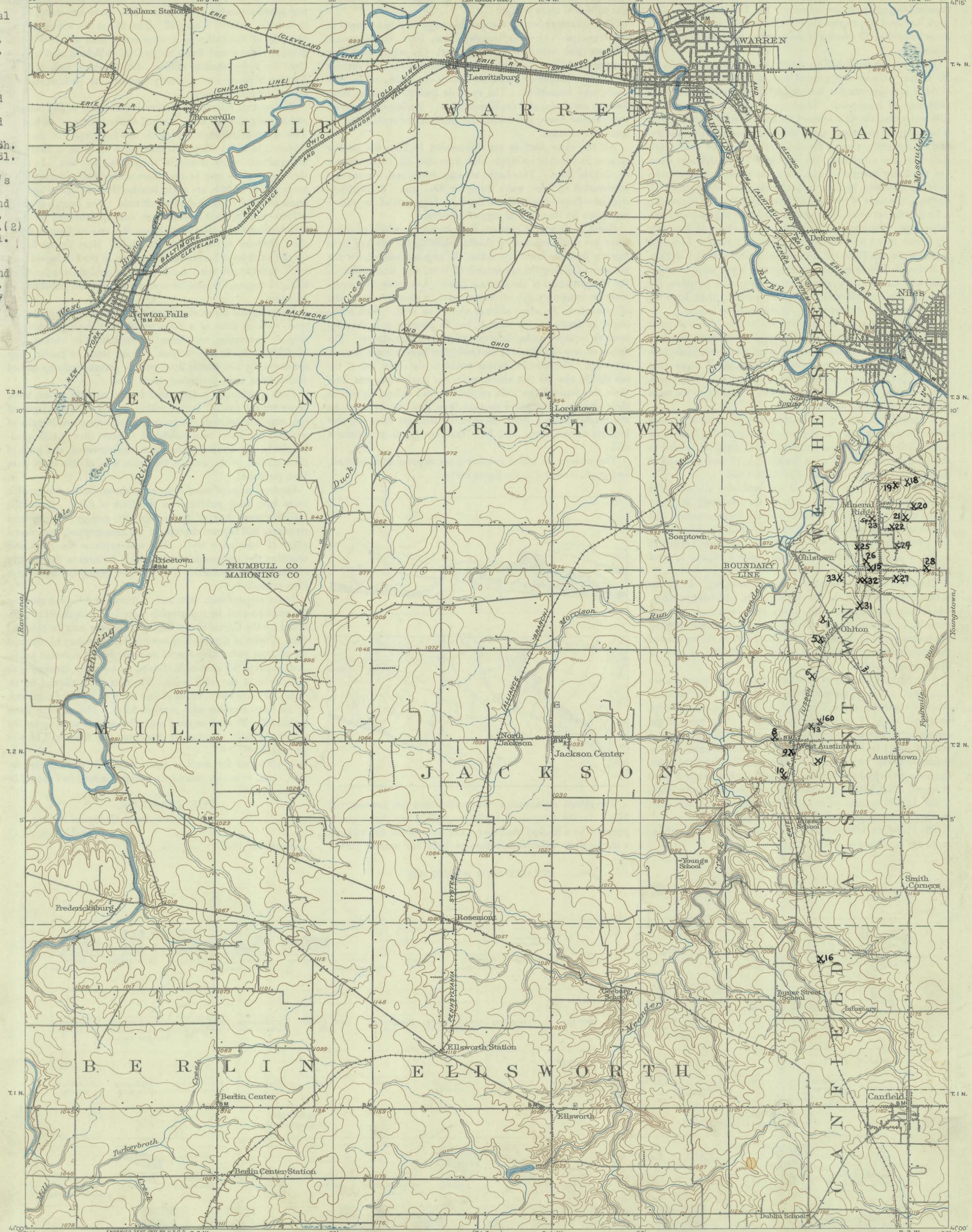
- 1 Thornton
- 5 Ohlton
- 6 Essential Coal Co.
- 8 Bowman
- 9 Lewis Coal Co.
- 10 Owens Sl.
- 11 Owens Sh.
- 13 Chauncey Andrews
- 15 Blunt
- 16 Cleveland
- 18 Payne
- 19 New Found Out
- 20 Peacock Sh.
- 21 Peacock Sl.
- 22 Ashland
- 23 Traveler's Rest
- 24 Morris and Price Sl.
- 25 Lewis Sl. (2)
- 26 Osborn Sl.
- 27 Tod and Wells
- 28 Morris and Price Sh.
- 31 Mc Kinney
- 32 Bowman
- 33 Campbell
- 160 Pennel

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Sharon Coal Mines
of
Trumbull and Mahoning Counties
J. Osborn Fuller and M. T. Sturgeon

July - Sept., 1941
(Bristolville)

OHIO
WARREN QUADRANGLE
R. 3 W. 80° 45'



ENGRAVED SEPT. 1907 BY U.S.G.S. R. 5 W.

H.M. Wilson, Geographer.
Frank Sutton, in charge of section.
Topography by D.C. Harrison.
Control by J.R. Ellis.
Surveyed in 1906.

Scale 82500
1 2 3 4 Miles
1 2 3 4 5 Kilometers

Contour interval 20 feet.
Datum is mean sea level.

Edition of Feb. 1908, reprinted 1937.
Polyconic projection.

WARREN, O.

3-0100

- 30. Leadville sh.
- 31. see Warren sheet
- 32.)
- 33.)
- 34. Moherman sh.
- 35. Pikes Peak slope
- 36. Ganow shaft
- 37. Snow Fly sl.
- 38. Cork & Bot- tle slope
- 39. Vienna #1 shaft
- 40. Stewart sh.
- 41. Ragweed Sh.
- 42. Carlton sh.
- 43. Brunswick shaft
- 44. Holliday sl.
- 45. Barber sh.
- 46. Moore slope
- 47. Corncob sl.
- 48. Blue Ribbon shaft
- 49. Chamberlin shaft
- 50. Rogers sh.
- 51. McClurg sh.
- 52. Blackberry shaft
- 53. Shadyside shaft
- 54.) see Kins-
- 55.) man sheet
- 56.)
- 57. Pinch Along shaft
- 58. Sodom slope
- 59. Garfield sh.
- 60. Chinese sh.
- 61. Hassau sh.
- 62. Stewart Sl.
- 63. Mahoning Coal Co. #4 slope
- 64. California slope
- 65. Mahoning Coal Co. #3 slope
- 66. Mahoning Coal Co. #8 slope
- 67. Drake Slope
- 68.)
- 69. Mahoning Coal Co. #9 slope
- 70. Mahoning Coal Co. # slope
- 71. Long slope
- 72. Klink slope
- 73. Brass & Wire slope
- 74. Cleveland shaft
- 75. Brookfield slope
- 76. Brookfield drain
- 77. Lane slope
- 78. Applegate slope
- 79. Cramer #3 sl
- 80. Cedar Cornes or Paris sl.
- 81. Witch Hazel shaft
- 82. Churchill or Campbell sh
- 83. High Tone.
- 84. Punkin sh.
- 85. Hood slope
- 86. Centennial shaft
- 87. Klein slope
- 88. Churchill slope
- 89. Niles shaft
- 90. Foraker #1 or Walp sh.
- 91. Foraker #2 or Goldie sh
- 92. Brier Hill slope
- 93. Foster #1or Posterville shaft
- 94. Kyle shaft
- 95. Logan or Palmer sh.
- 96. Foster #2 or Smith sh
- 97. Osborn sh.
- 98. Wellendorf shaft
- 99. Unnamed sh.
- 100. Brownlee shaft
- 101. Bland sh.
- 102. A.&W.Powers sl. & drain

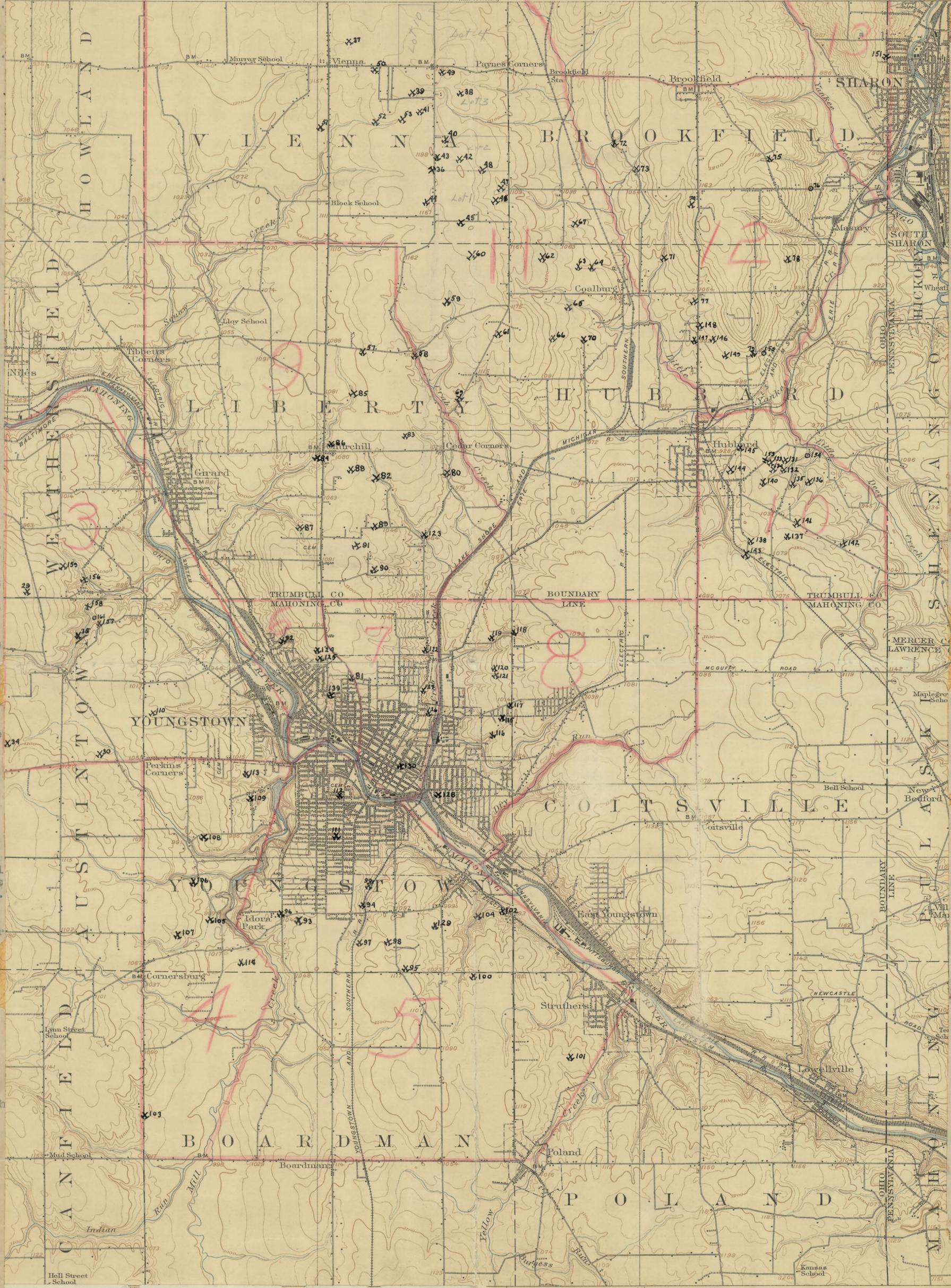
DEPARTMENT OF THE INTERIOR
 JOHN BARTON PAYNE, SECRETARY
 U.S. GEOLOGICAL SURVEY
 GEORGE OTIS SMITH, DIRECTOR

TOPOGRAPHY

STATE OF OHIO
 REPRESENTED BY THE GOVERNOR
 C. E. SHERMAN, INSPECTOR

DIVISION OF GEOLOGICAL SURVEY
 OHIO DEPARTMENT OF NATURAL RESOURCES
 MOUNTAIN SQUARE
 COLUMBUS, OHIO 43224

- 104. A.&W.Po- shaft
- 105. Manning sh
- 106. T. Tyrrell #3 shaft
- 107. Anchor sh.
- 108. Shields #2
- 109. Reno slope
- 110. Packard sl
- 111. McKinnie sh. or sl.
- 112. Thorn sl.
- 113. Milton Powers sl.
- 114. Foster & Crane sh.
- 115. Allen sh.
- 116. Allen #1 slope
- 117. Allen #2 slope
- 118. Thorn Hill #2 slope
- 119. Cork & Bot- tle slope
- 120. Thorn Hill #1 slope
- 121. Welch sh.
- 122. Wick Bros. sl. or sh.
- 123. Todhouse slope
- 124. T. Tyrrell #1 shaft
- 125. T. Tyrrell #2 shaft
- 126. Madison School drift
- 127. Unnamed sh
- 128. Hogg Or Home slope
- 129. Script Hill shaft
- 130. Wood School sl.
- 131. Charley Herbert sl
- 132. Jenny Wheel sl.
- 133. Dan Smith slope
- 134. Middle sl.
- 135. C.H. Andra- slope
- 136. P. Jacobs & Sons #1 shaft
- 137. P. Jacobs & Sons #3 shaft
- 138. Billy Bird slope
- 139. Philpot sl
- 140. Ab Lane sl
- 141. P. Jacobs & Sons #2 shaft
- 142. Veach & Burnett slope
- 143. Panic shaft
- 144. Reese Charles sl.
- 145. Brisbine sl
- 146. Cramer #2 slope
- 147. Eureka sl.
- 148. Adams shaft or slope
- 149. Cramer #1 slope
- 150. Cramer drain
- 151. Curtis #1 slope
- 152. see Kinsman sheet
- 153. Clingan sh.
- 154. Clingan drain
- 155. see Warren sheet
- 156. Tod slope
- 157. Foulk slope
- 158. Idaho slope
- 159. Kimberly or Weathers- field slope
- 160. see Warren sheet
- 161. Unnamed sh.



Groups of mines outlined in red.

- 3. Eastern Mineral Ridge.
- 4. Youngstown - West of Mill Creek.
- 5. Youngstown - East of Mill Creek.
- 6. Youngstown - Brier Hill.
- 7. Youngstown - Crab Creek.
- 8. Youngstown - Thorn Hill.
- 9. Churchill.
- 10. Hubbard.
- 11. Vienna - Coalburg.
- 12. Little Yankee Creek.
- 13. Sharon.



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3-0100



Lane Mine, Coalburg, Ohio.



Mahoning Coal Co. #4, Coalburg, Ohio.



Filled shaft near Mahoning Coal Co. #4, Coalburg, Ohio.



C. H. Andrews Slope, West Austintown, Ohio.



Owens Shaft, West Austintown, Ohio.



Lewis Shaft, West Austintown, Ohio.



Mine drain near Madison Street School, Youngstown, Ohio.



Tippecanoe Shaft, Youngstown, Ohio.



Kline Mine dump. W. McClurg. Churchill, Ohio.



Ganow Shaft, Vienna, Ohio.



19 HUBBARD WATER WORKS 18

Pumping station, Hubbard, Ohio.



Foraker #2 Shaft, Liberty Twp., Mahoning County, Ohio.



Ohlton Shaft, Ohlton, Ohio.



McKenney Shaft, Mineral Ridge, Ohio.



Tod and Wells Shaft, Mineral Ridge, Ohio.



Old Lewis Slope, Mineral Ridge, Ohio.



Weathersfield Pumping Station, Mineral Ridge, Ohio.



Weathersfield Pumping Station, Mineral Ridge, Ohio.



Tipple, New Albany Coal Co., New Albany, Ohio.