

**ORIENTATION PROCEDURES USED FOR THE PLACEMENT OF ADJACENT ABANDONED DEEP MINES ON QUECREEK MINE MAPS**

**Harrison #2 Mine (Mine Ref. C)**

The Harrison #2 Mine is digitized from a map obtained by the Quecreek Investigation Team from the Windsor Coal Museum (1" = 100') with the last survey date of January 1, 1964, which delineated the boundary adjacent to the Quecreek Mine. Production records were checked in the PA Bituminous Coal Division Annual Reports and there was no production, days worked, or employees listed after 1963. The following sources were checked for maps: Consol Energy, PA Deep Mine Safety, Office of Surface Mining in Greentree, PA, PA DEP office in McMurray, and MSHA District 2 office in Hunker, PA. There is no final certified map available.

Orientation was accomplished by lining up surface features from the 1" = 100' mine map which was reconfigured on 1" = 178.57' scale and matched to a Quecreek Mine map to the same scale. The following points were used from the old sealed borehole in 3 South Main near 5 Butt Heading left:

- 904 feet east to the northwest corner of a house over 5 Butt Heading left.
- 2902 feet northeast to a fork in the stream, and
- 2165 feet southeast to a bend in the stream on the Wm. Greg property.

**Consol 120 Mine (Mine Ref. A)**

The Consol 120 Mine was digitized from maps donated by Consol to the University of Pittsburgh Library Archives. These maps are 1" = 100' and some were reduced to 1" = 200' for digitizing purposes. The 1" = 1000' map obtained from Consol Energy was also used to digitize a small area of the boundary. The mining boundary is the same as that on the 1" = 100' map at Deep Mine Safety that was marked Abandoned April 1955. This mining boundary is the same as that on the reserve map provided by Consol, titled Consolidation Coal Co. Jennerstown Project Reserve Areas, and the Reserve Maps (1" = 1000') provided by Consol. Also, the following maps were viewed at the Consol Energy engineering offices that reveal the same mining boundary for the 120 Mine: 1) map dated 10-1-55 showing flooded deep mines, and 2) Jennerstown Project Map dated 7-1-78. The 120 Mine was sold to Acosta-Gray Coal Co. in 1950, temporarily abandoned on 5-31-53, then bought back by Pittsburgh Coal Co. in 1955. This is documented in the Annual Reports. There is no tonnage, employees, or days worked after 1/7/55 when the mines passed from Acosta-Gray Co. to Pittsburgh Coal Co. or in subsequent years after 1955. There is no final certified map available. The following sources were checked for maps: Consol Energy, PA Deep Mine Safety, Office of Surface Mining in Greentree, PA, PA DEP office in McMurray, and MSHA District 2 office in Hunker, PA. There is no final certified map available.

Orientation was accomplished as follows:

- On the 1" = 1000' map: The intersection of T436 and SR4001, the intersection of Faldley Rd. and T827, and the intersection of SR4016 and SR985.
- On the 1" = 200' map: center of bridge on Flannery Rd. over stream, intersections of T436 and SR4001, T436 and tributary #3, SR4001 and T450.
- On the 1" = 100' map: Centerline of SR985, Centerline of T448, intersections of SR4001 and SR985, SR4001 and T448, SR4001 and Tributary #1, the old railroad bridge over Quecreek Creek (upstream of the town), and the old railroad bridge (spur) over Quecreek Creek near town, and the centerline of SR4016.

**Quecreek Creek No. 1 Mine (Mine Ref. B)**

The Quecreek Creek No. 1 Mine of the Quecreek Creek Coal Company was plotted on the Consol 120 Mine 1" = 100' and was digitized onto the Quecreek Permit Map from the Consol 120 map. The location and boundaries of this mine are the same as that on the Quecreek Creek Coal Company Property map dated December 16, 1942. According to the Annual Reports, this mine closed in 1920 as there is no tonnage, employees, or days worked after this date. This map was oriented in the same manner as the Consol 120 Mine map. There is no certified final map available.

**Ralphton #6 Mine (Mine Ref. I)**

The Ralphton #6 Mine of the Quecreek Creek Coal Company is an Upper Freeport Mine as described in the Annual Report. The WPA map was digitized from a 1936 WPA map. The following sources were checked for maps: PA Deep Mine Safety, Office of Surface Mining, PA DEP office in McMurray, and MSHA District 2 office in Hunker, PA. A 1" = 100' hardback map was observed at Musser Engineering and compared to the WPA map. This is the original map used for drafting purposes. The mining boundary and orientation of the mine compared to roads and railroads was the same. The survey legend on the hardback ended on February 25, 1930 and the last date of mining on the map was April 26, 1931. The Annual Report indicates the mine closed in 1931. There is no production, employees, or days worked after this date. Orientation was accomplished by matching roads in the mine vicinity.

**Lower Freeport Mines (Mine Ref. D)**

The known extent of the Lower Freeport Mines at the drift were plotted from a map acquired from the Office of Surface Mining at Greentree, PA.

**Mahoning Seam Deep Mine (Mine Ref. G)**

The Mahoning Seam Deep Mine was located by field reconnaissance. There were no maps available.

The Harrisburg Blueprint Co. maps were examined to determine that there are no additional permitted mines adjacent to the Quecreek Mine.

The information contained on this map is accurate to the best of my knowledge, information, and belief.

3	1
4	2

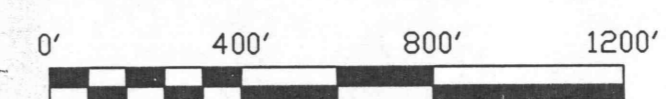
Sheet Index

\* Original Mapping Prepared \*  
by Musser Engineering, Inc.

No.	Surface Elevation	Upper Kittanning	Thk.
P210	2133.5	1831.5	8"
P220	1918	1713	54"
JN12	1960	1708	66"
JN17	2034	1760	54"
JN88	2060	1874	49"
JN110	1900	1755	51"
JN111	2025	1759	46"
JN112	2124	1770	64"
JF4	1906	1746	52"
JF5	2116	1824	54"
JF6	1977	1713	48"
JF8	1959	1706	42"
JF9	2094	1777	51"
JF14	2085	1791	60"
JF29	2071	1851	50"
JF77-19	1965	1715	45"
DH1	1944	1858	60"
9501	1942	NONE	
9502	1926	1850	49"
9505	2003	1855	53"
9507	1948	1843	52"
9508	1910	1836	42"
9513	1910	1802	43"
9514	1918	1803	42"
9515	1904	1824	38"
9516	1938	1821	37"
9707	1931	NONE	
9708	1932	NONE	
9709	1979	NONE	
9710	1991	VOID	
9711	2037	VOID	
9712	1996	1847	34"
9713	1917	1848	42"
9714	1918	VOID	
9715	1923	1847	47"
9716	1938	VOID	

**LEGEND**

- Subsidence Control Plan Area 1302 Acres
- Underground Permit Area 3686 Acres
- Surface Site Permit Area 47.3 Acres
- 100' Cover Line
- Public Roads
- Non-Public Roads
- Perennial Streams
- Intermittent Streams
- Ponds
- Dwellings
- Public Buildings
- Other Buildings
- Surface Contour
- Surface Index Contour
- Coal Contour
- Drill Holes
- Gas Wells
- Utility Lines
- Springs
- Wells
- Water Monitoring Point
- Flow Monitoring Points
- Deep Mine Entry
- Deep Mine Boundary (U.K. Seam)
- Deep Mine Boundary (U.F. Seam)
- Deep Mine Boundary (L.F. Seam)
- Previously Surface Mined Area
- Mine Reference "B" Keyed To Module 9
- Want area
- COAL OUTCROPS
- Upper Freeport Outcrop
- Upper Kittanning Outcrop



Sheet 1 of 4

**EXHIBIT 19.2: ENVIRONMENTAL RESOURCES MAP**

Quecreek Mining, Inc.  
Quecreek No. 1 Mine  
Upper Kittanning Seam  
Scale: 1" = 400'  
Lincoln & Somerset Twps. Somerset County

1576 Stoystown Road  
Friedens, PA 15541  
(814) 445-3876

Quecreek Mining, Inc.

Drawn By: KY  
Checked By: MT  
Date: 12-5-97  
Revised: 11-05-02  
Dwg. No.: Que19-2