



Existing and Previous Mining					
Map Key	Mine Operator	Site Name	Permit No.	Status	Portal Elevation
Underground Mines					
⊙	Unknown	Yost Mine	Unknown	Abandoned	U. Kittanning 2051'
⊙	Rosebud Mining Company *	Mine 78	56841228	Active	U. Kittanning 1930
⊙	Berwind Corporation	Eureka No. 35, 36, 40, 42	Unknown	Abandoned	L. Kittanning 1807 +/-
Surface Mines					
⊙	Rosebud Mining Company	Mine 78 Surface No. 24	56080104	Completed	L. Kittanning, M. Kittanning, U. Kittanning, L. Freeport -----
⊙	M.H. Bigan Coal Company	Unknown	10460	Completed	L. Kittanning, U. Kittanning -----
Preparation Plants & Coal Refuse Disposal Sites					
⊙	Rosebud Mining Company	Mine 78 CRDA	56743705	Active	-----

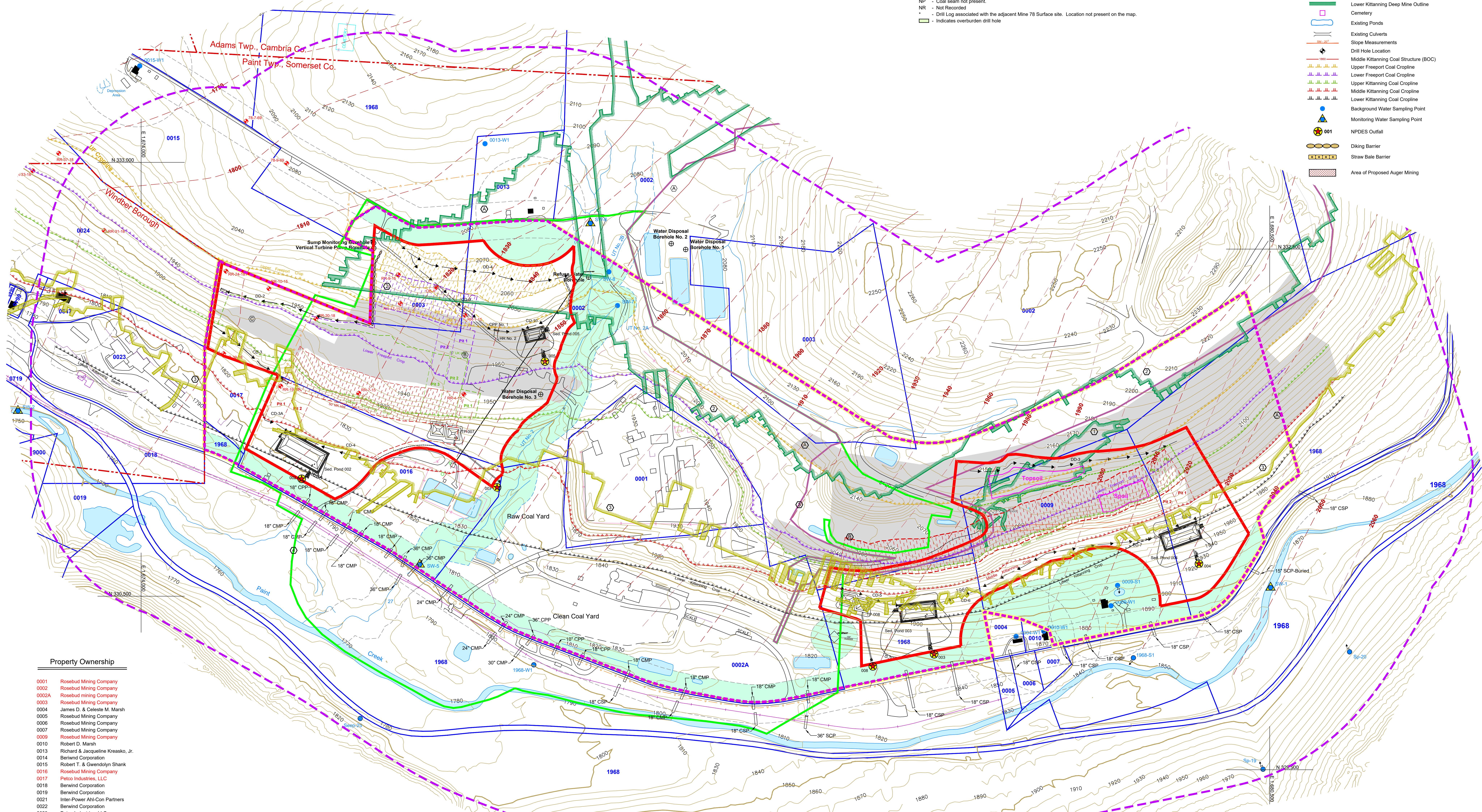
* Previously identified as the Beth Energy Mines, Inc., Windber No. 78 Mine

Mine 78 Surface No. 3 Mine Drill Hole Table (all coal depths and coal elevations are based on bottom of coal)																	
DH No.	Surface Elev. (MSL)	Total Hole Depth	Static Water Level			Middle Kittanning Seam (C)			Upper Kittanning Seam (C')			Lower Freeport Seam (D)			Upper Freeport Seam (E)		
			Depth (ft.)	SWL Elev.	Depth (ft.)	Thickness (inches)	BOC Elev. (MSL)	Depth (ft.)	Thickness (inches)	BOC Elev. (MSL)	Depth (ft.)	Thickness (inches)	BOC Elev. (MSL)	Depth (ft.)	Thickness (inches)	BOC Elev. (MSL)	
78-7-69	2073.5	250	NR	---	NDE	NDE	NDE	221	18.0	1853.0	158	3.0	1916.3	109	34.0	1965.5	
78-6-69	2084.6	250	NR	---	NDE	NDE	NDE	220	28.0	1865.3	150	12.0	1934.6	107	28.0	1978.3	
RR-1-15	2020	28	NR	---	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	27	27.5	1993.0	
RR-4-15	1951.0	39	NR	---	NDE	NDE	NDE	38	62.0	1913.0	---	---	---	---	---	---	
RR-7-15	1913.0	133	NR	---	94	32.0	1819.0	22	Mined	1891.0	---	---	---	---	---	---	
RR-3-15	2061	71	NR	---	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	69	28.0	1992.0	
RR-19-18	1853.5	100	NR	---	40	35.0	1813.0	---	---	---	---	---	---	---	---	---	
RR-20-18	1942.1	60	NR	---	NDE	NDE	NDE	56	55.0	1886.6	15	30.0	1927.6	---	---	---	
RR-24-18	1970.9	165	NR	---	164	35.0	1807.4	NP	NP	NP	28	22.0	1942.9	---	---	---	
RR-27-18	2002.4	170	NR	---	NDE	NDE	NDE	168	29.0	1834.9	114	6.0	1868.9	61	29.0	1940.9	
RR-28-18	1989.5	120	NR	---	NDE	NDE	NDE	NDE	NDE	NDE	119	11.0	1869.5	62	32.0	1926.7	
RR-31-18	1899.0	160	NR	---	107	32.0	1791.7	21	17.0	1878.5	---	---	---	---	---	---	
RR-33-18	1903.0	200	NR	---	90	18.0	1813.0	49	34.0	1854.2	---	---	---	---	---	---	
RR-36-18	1925.0	203	NR	---	125	12.0	1800.0	82	44.0	1842.8	41	27.0	1884.2	---	---	---	
RR-38-18	1833.0	80	NR	---	28	35.0	1807.0	---	---	---	---	---	---	---	---	---	
OB-4	2061.5	81.0	NR	---	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	NDE	76.0	36.0	1985.5	

NP - Coal seam not present
NR - Not Recorded
--- Drill Log associated with the adjacent Mine 78 Surface site. Location not present on the map.
- Indicates overburden drill hole

Map Legend

- Surface Permit Area (241.0 Acres)
- 1000 Foot Permit Boundary
- Mining Area
- Municipal Boundary Line
- Existing Mine 78 Permit Boundary
- Existing Mine 78 CRDA Permit Boundary
- Property Line (Surface Ownership)
- Surface Property Identification Number
- Public Roads
- Private Roads/Trails
- Occupied Dwelling
- Unoccupied Structure
- Electric Utility Line
- Public Water Line
- Surface Contour
- Surface Contour Index (50')
- Stream
- 100 Foot Road Barrier
- 100 Foot Stream Barrier
- 300 Foot Occupied Dwelling Barrier
- No Mining Area
- Previously Affected Area
- Upper Kittanning Deep Mine Outline
- Lower Kittanning Deep Mine Outline
- Cemetery
- Existing Ponds
- Existing Culverts
- Slope Measurements
- Drill Hole Location
- Middle Kittanning Coal Structure (BOC)
- Upper Freeport Coal Cropline
- Lower Freeport Coal Cropline
- Upper Kittanning Coal Cropline
- Middle Kittanning Coal Cropline
- Lower Kittanning Coal Cropline
- Background Water Sampling Point
- Monitoring Water Sampling Point
- NPDES Outfall
- Diking Barrier
- Straw Bale Barrier
- Area of Proposed Auger Mining



Property Ownership

0001	Rosebud Mining Company
0002	Rosebud Mining Company
0002A	Rosebud Mining Company
0003	Rosebud Mining Company
0004	James D. & Celeste M. Marsh
0005	Rosebud Mining Company
0006	Rosebud Mining Company
0007	Rosebud Mining Company
0008	Rosebud Mining Company
0010	Robert D. Marsh
0013	Richard & Jacqueline Kresako, Jr.
0014	Berwind Corporation
0015	Robert T. & Gwendolyn Shank
0016	Rosebud Mining Company
0017	Pelco Industries, LLC
0018	Berwind Corporation
0019	Berwind Corporation
0021	Inter-Power AHI-Con Partners
0022	Berwind Corporation
0023	Pelco Industries, LLC
0024	Berwind Corporation
0025	Richard Geibig
0647	Bobbi J. Maffeo
0659	Frances M. & Rita A. Lasio
0670	Frances M. & Rita A. Lasio
0696	Phillip Chippie
0719	Pennsylvania Lines, LLC
0861	Berwind Corporation
1033	Berwind Corporation
1080	Paul Esmont, Jr. & Lisa Blough
1081	John A. & Judith A. Lucas
1868	Berwind Corporation
9000	Berwind Corporation

- Map Notes
- Project is located on Windber, PA 7.5 Minute U.S.G.S. Quadrangle.
 - Surface features including but not limited to buildings, contours, roads utilities and waterways taken from aerial mapping performed by
 - Additional features added from adjacent projects and proposed projects.
 - Property lines were taken from Cambria and Somerset County Tax mapping and do not represent actual surveys of the properties.
 - Utility line locations are from owners and do not represent actual field surveys of facilities.
 - Grid coordinates based on North American Datum 1983 (NAD 83), Pennsylvania State Planes, South.



OPERATIONS MAP
SMP No. 56210102

MINE 78 SURFACE NO. 3 MINE

ROSEBUD MINING COMPANY
301 MARKET STREET, KITTANNING, PA 16201
PHONE: 724-545-6222

Location: Paint Township, Somerset County

Seam: Upper Freeport, Lower Freeport
Upper Kittanning, Middle Kittanning

Drawn By: JUS Date: 08/2021 Scale: 1" = 200'

REVISIONS				
No.	By	Date	Description	
1	JMO	01.27.22	1st Permit Application Revision	
2	JMO	02.09.22	2nd Permit Application Revision	