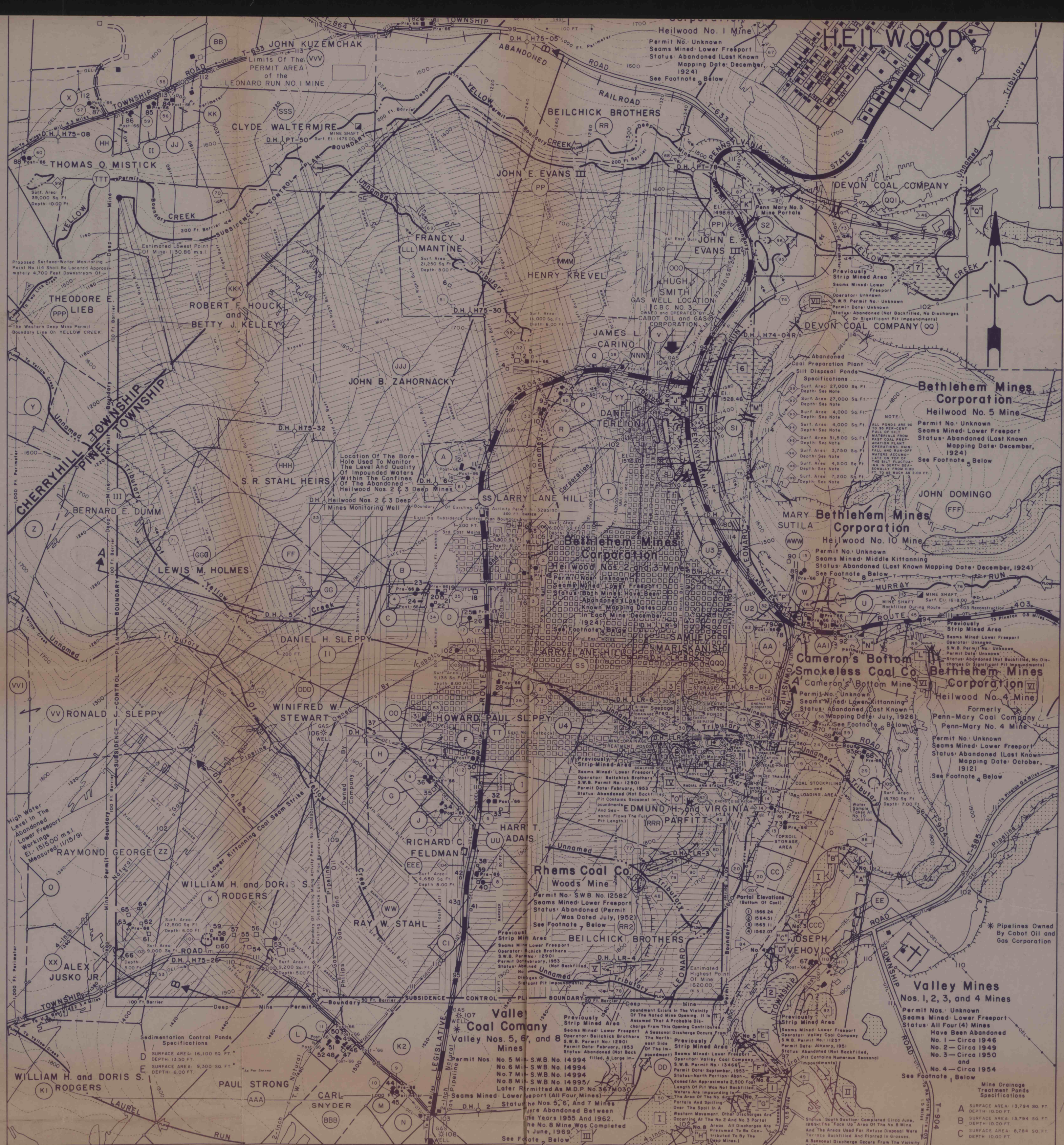




Small Tract Surface Property Owners

- Areas of No Mining
- Areas of 50 Per Cent Only Mining
- KEY NOS. TO SMALL PROPERTY OWNERS
- SURFACE PROPERTY LINES
- STREAMS
- PONDS OR IMPOUNDMENTS
- ROADS
- DWELLINGS OR PUBLIC BLDGS
- BARN, GARAGES, SHEDS, OR OTHER BLDGS
- WELLS
- WATER SOURCES: SPRINGS
- DEEP MINE DISCHARGES OR SEEPS
- DEEP MINE SHAFTS
- SEEPS FROM REFUSE DISPOSAL SITES
- STREAM SAMPLING POINTS
- DAMS/PONDS SAMPLING POINTS
- ORIGINAL BACKGROUND MONITORING POINTS
- ADDITIONAL BACKGROUND MONITORING POINTS
- CURRENT HYDROLOGIC MONITORING SAMPLING POINTS (Ground and Surface Waters)
- PROPOSED ADDITIONAL HYDROLOGIC MONITORING SAMPLING POINTS (Ground and Surface Waters)
- FINAL "B" SEAM HIGHWALL
- BOUNDARY OF EXISTING MINING ACTIVITY PERMIT NO. 3285101
- PROPOSED ADDITIONAL ACRES AMENDMENT TO THE EXISTING MINING ACTIVITY PERMIT
- SURFACE AREA AFFECTED IN SUPPORT OF THE DEEP MINE ACTIVITY
- LIMITS OF COAL LEASE AGREEMENTS
- KEY TO WATER SOURCE OWNERSHIP TO SOURCES OTHER THAN THOSE SHOWN ELSEWHERE IN THIS LEGEND
- NOTES: 1.) Areas To Be Mined Are Within Two (2) Political Sub-Divisions: PINE AND CHERRYHILL TOWNSHIPS, INDIANA COUNTY. 2.) All Coal Lands To Be Mined Are Within The Lower Kittanning Coal Seam And Are Owned Solely By PENN CENTRAL PROPERTIES, INC.

Legend

- KEY NOS. TO SMALL PROPERTY OWNERS
- SURFACE PROPERTY LINES
- STREAMS
- PONDS OR IMPOUNDMENTS
- ROADS
- DWELLINGS OR PUBLIC BLDGS
- BARN, GARAGES, SHEDS, OR OTHER BLDGS
- WELLS
- WATER SOURCES: SPRINGS
- DEEP MINE DISCHARGES OR SEEPS
- DEEP MINE SHAFTS
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PREPARED FOR

VALLEY COAL COMPANY

LEONARD RUN NO. 1 MINE

LOWER KITTANNING COAL SEAM

SITING

PINE AND CHERRYHILL TOWNSHIPS, INDIANA COUNTY, PENNSYLVANIA

Scale: 1" = 400'

PREPARED BY

THE ENGINEERING STAFF OF VALLEY COAL COMPANY

P.O. BOX 86, ALVERDA, PENNSYLVANIA 15710

Refuse Disposal Site(s) Information

COAL REFUSE DISPOSAL SITE (1) AND (2) WERE OPERATED BY VALLEY COAL COMPANY. PERMIT NUMBERS WERE THE SAME AS THOSE ASSIGNED TO THE SURFACE MINES. AREAS HAVE BEEN TERRACE BACKFILLED AND PLANTED IN GRASSES. THE MINES WERE UN-NAVED.

INFORMATION REGARDING COAL REFUSE DISPOSAL SITE (3) IS UNKNOWN, EXCEPT THAT THE AREAS AFFECTED HAVE BEEN BACKFILLED AND PLANTED IN GRASSES.

THE "B" SEAM WAS USED FOR THE INSTALLATION OF POND TANKS LEFT IN ABANDONED STATUS.

Drill Hole No.	Surface Elev.	L.K. Coal Elev.	Static Water Level (Bottom of Coal Seam)
1	1605.00	1580.00	Not Measured
2	1593.00	1557.00	Not Measured
3	1593.00	1423.00	1595.00
4	1598.00	1421.00	Not Measured
5	1733.00	1317.00	Not Measured
6	1593.00	1385.00	Not Measured
7	1577.00	1390.00	Not Measured
LR-1	1670.00	1562.33	1536.00
LR-2	1682.00	1536.00	1563.00
LR-3	1736.00	1571.83	1686.00
LR-4	1733.00	1570.00	1683.00
LR-5	1709.00	1543.00	1629.00

Drill Hole No.	Surface Elev.	L.K. Coal Elev.	Static Water Level (Bottom of Coal Seam)
LR-6	1725.00	1528.00	1688.00
LR-7	1704.00	1516.50	1633.00
LR-8	1757.00	1497.33	Not Measured
LR-9	1809.00	See Note	1786.00
H74-04R	1535.00	1376.33	Not Measured
H75-08	1558.00	1160.10	Not Measured
H75-09	1583.00	1098.50	Not Measured
H75-26	1861.00	1453.08	Not Measured
H75-32	1783.00	1272.21	Not Measured
PT-50	1522.00	1236.42	Not Measured
PT-78	1514.00	1345.25	Not Measured

Note: Hole Was Not Drilled To A Great Enough Depth To Encounter The Lower Kittanning Coal Seam.

Additional Deep Mine Information

The Four (4) Mines, Which Are Interconnected, Have Not Been Sealed. Discharges Are Emanating From The Areas Of The No. 2, No. 3, And No. 4 Portals. But Highwall Slides Prevent A Visual Observation Of The Actual Sources. Discharge Quantities Fluctuate Seasonally. Percentage Of Inundation, If Any, Is Undeterminable.

The Nos. 5, 6, And 7 Mines Were Not Sealed. Mining In These Collieries Eventually Interconnected With The Valley Mines, Mines Nos. 1 Thru 4 Mining Complex. Upon Completion Of Deep Mining Operations, The Highwalls From Which These Mines Were Started, Were Further Surface Mined. Following The Additional Surface Mining, The Pits Were Used For Mine Refuse Disposal. Ultimately, The Entire Affected Area Was Covered With Clean Fill And Planted In Grasses. A Seasonal Discharge Occurs From The Vicinity Of The No. 6 Portal Area. Percentage Of Inundation Within The Interconnected Mines, If Any, Is Undeterminable. The Portals Of The No. 8 Mine Were Sealed With Concrete Block Bulkheads. The "Face Up" Area Was Terrace Backfilled And Planted In Grasses. No Visible Discharges Occur. Percentage Of Inundation Is Undeterminable.

The Heilwood Nos. 2 And 3 Mines Were Further Mining Developments Of The No. 2 And No. 3 Mines Of The Penn-Mary Coal Company. None Of The Mine (9) Known Drifts Or "Cut-Out" Mine Openings Have Been Sealed. The Mines Are Interconnected, And Are Discharging Waters From Just Above The Easternmost Drift Of The Initial Two (2) Drift Openings Of The Penn-Mary No. 3 Mine, Having "Blown Out" Circa March 28, 1970. Discharge Quantities Vary Seasonally. Percentage Of Inundation Is Estimated To Be Approximately 26.3%.

From Existing Mapping Data, The Heilwood No. 4 Mine Appears To Have Been Vastly "Worked-Out" By The Penn-Mary Coal Company As Penn-Mary No. 4 Mine Years Before Lease Agreements Were Entered Into Between Bethlehem Mines Corporation And Penn-Mary Coal Company. Minimal Additional Development And/or Pillar Recovery Only Must Have Taken Place When The Mine Operated As Heilwood No. 4. If Any Mining Took Place At All. None Of The Three (3) Drift Openings Or A Known "Cut-Out" At The Back Of The Mine Were Sealed. A Multiple Discharge Emanates From The Three (3) Drift Openings, Fluctuating Seasonally In Quantity. Percentage Of Inundation Is Undeterminable.

None Of The Drifts Or "Cut-Out" Openings To The Mine Have Been Sealed. The Mine Is Liberating Waters From The Two (2) Southernmost Drifts, Fluctuating Seasonally In Quantity. Percentage Of Inundation Is Undeterminable.

The Three (3) Known Openings To The Mine, A Drift, A Short, And A Slope Type Drift Appear To Have Been Sealed In Some Manner. No Visible Discharges Were Observed. Percentage Of Mine Inundation, If Any, Is Undeterminable.

The Mine Was Not Extensively Developed, As Mining Almost Immediately Cut Into The Workings Of The Heilwood No. 2 Mine. A Small Seasonal Flow Emanates From The Two (2) Drift Openings Vicinity. It Is Assumed The Mine Was Not Sealed, But Highwall Slides And Subsidence Prevent Any Visual Observation Of The Mine Openings. Percentage Of Inundation Is Undeterminable.

The No. 10 Mine, Which Was Not Extensively Developed, Appears To Be Sealed In Some Manner. No Visible Discharges Were Observed. Percentage Of Mine Inundation, If Any, Is Undeterminable.

None Of The Numerous Openings To The No. 1 Mine Have Been Sealed. The Mine Is Liberating Waters From The Northernmost Main Entry. These Waters Are Channeled To Yellow Creek Via A Concrete Flume. Quantities Fluctuate Seasonally. The Mine Has Been Cut Into By Other Bethlehem Mines As Well As Other Deep Mining Operations Forming A Vast Mined-Out Area Beneath, North, And East Of Heilwood. Percentage Of Inundation Is Undeterminable.