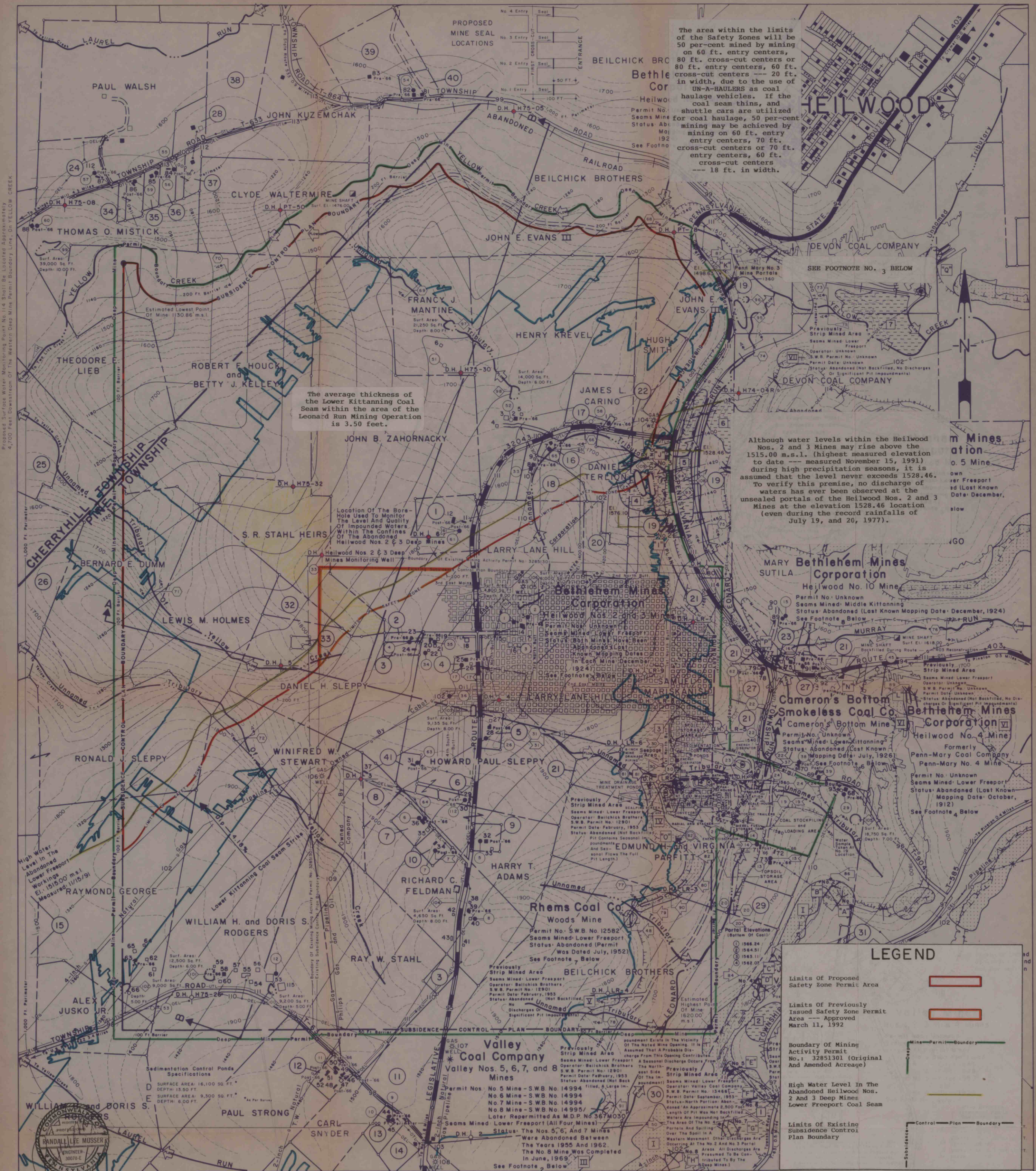




The area within the limits of the Safety Zone will be 50 per cent mined by mining on 60 ft. entry centers, 80 ft. cross-cut centers or 80 ft. entry centers, 60 ft. cross-cut centers --- 20 ft. in width, due to the use of haulage vehicles. If the coal seam thins, and shuttle cars are utilized for coal haulage, 50 per cent mining may be achieved by mining on 60 ft. entry centers, 70 ft. cross-cut centers or 70 ft. entry centers, 60 ft. cross-cut centers --- 18 ft. in width.

The average thickness of the Lower Kittanning Coal Seam within the area of the Leonard Run Mining Operation is 3.50 feet.

Although water levels within the Heilwood Nos. 2 and 3 Mines may rise above the 1515.00 m.s.l. (highest measured elevation to date --- measured November 15, 1991) during high precipitation seasons, it is assumed that the level never exceeds 1528.46. To verify this premise, no discharge of waters has ever been observed at the unsealed portals of the Heilwood Nos. 2 and 3 Mines at the elevation 1528.46 location (even during the record rainfalls of July 19, and 20, 1977).

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Date: December,
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LEGEND

Limits of Proposed Safety Zone Permit Area

Limits of Previously Issued Safety Zone Permit Area --- Approved March 11, 1992

Boundary of Mining Activity Permit No.: 32851301 (Original and Amended Acreage)

High Water Level in the Abandoned Heilwood Nos. 2 and 3 Mines. Lower Freeport Coal Seam

Limits of Existing Subsidence Control Plan Boundary

Small Tract Surface Property Owners

- | | | |
|-------------------------------------|-------------------------|----------------------|
| 1. Steven Ondo | 20. Harold E. Stubbs | 37. William Mack |
| 2. Samuel C. Long | 21. Edward J. Rotay | 38. Thomas Kuzemchak |
| 3. Alex & Pearl Jusko | 22. Joseph Zuray | 39. Walter Liganos |
| 4. Jess Ober | 23. Charles Rotay | 40. Frank Benko |
| 5. James L. Roach | 24. Richard Heller | 41. Paul Sleppy |
| 6. Wayne Detwiler | 25. Daniel J. Lieb | |
| 7. Barbara Costello | 26. William J. Smith | |
| 8. James Cryder | 27. Larry C. Beer | |
| 9. Daniel H. Sleppy | 28. Brian Thomas | |
| 10. Marlene Feldman | 29. Theresa M. Donahue | |
| 11. William H. & Doris S. Rodgers | | |
| 12. Goldie Detwiler | 30. Valley Coal Company | |
| 13. Thomas Oros | 31. James Michny | |
| 14. Wayne Matthis | 32. Forrest C. Orner | |
| 15. Annie P. Detwiler | 33. J. J. Pelky | |
| 16. Jean Smolich | 34. John F. Sexton, Sr. | |
| 17. William F. Presto | 35. Leo Rietseha | |
| 18. Angeline Terlion | 36. John M. Licinsky | |
| 19. Paragon Development Corporation | | |

Legend

KEY NOS. TO SMALL PROPERTY OWNERS (00)

SURFACE PROPERTY LINES

STREAMS

PONDS OR IMPOUNDMENTS

ROADS

DWELLINGS OR PUBLIC BLDGS.

BARN, GARAGES, SHEDS, OR OTHER BLDGS.

WATER SOURCES

WELLS

SPRINGS

DEEP MINE DISCHARGES OR SEEPS

DEEP MINE SHAFTS

SEEPS FROM DISPOSAL SITES

STREAM SAMPLING POINTS

DAMS/PONDS SAMPLING POINTS

ORIGINAL BACKGROUND MONITORING POINTS

ADDITIONAL BACKGROUND MONITORING POINTS

KEY TO WATER SOURCE OWNERSHIP

TO SOURCES OTHER THAN THOSE SHOWN ELSEWHERE IN THIS LEGEND

FINAL "B" SEAM HIGHWALL

Valley Coal Company

Valley Nos. 5, 6, 7, and 8 Mines

Previously Strip Mined Area

Operator: Belchick Brothers

S.W.B. Permit No. 12901

Permit Date: February, 1953

Status: Abandoned (Not Backfilled, No Discharges or Significant Pit Impoundments)

Previously Strip Mined Area

Operator: Belchick Brothers

S.W.B. Permit No. 12901

Permit Date: February, 1953

Status: Abandoned (Not Backfilled, No Discharges or Significant Pit Impoundments)

Previously Strip Mined Area

Operator: Belchick Brothers

S.W.B. Permit No. 12901

Permit Date: February, 1953

Status: Abandoned (Not Backfilled, No Discharges or Significant Pit Impoundments)

Additional Deep Mine Information

- FOOTNOTE 1: 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.
- FOOTNOTE 2: 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 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.
- FOOTNOTE 3: 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 Nine (9) Known Drift 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%.
- FOOTNOTE 4: 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.
- FOOTNOTE 5: None Of the Drift or "Cut-Out" Openings To the Mine Have Been Sealed. The Mine is Liberating Waters From The Two (2) Southernmost Main Entries. These Waters are Channeled to Yellow Creek Via a Concrete Flume. Quantities Fluctuate Seasonally. The Mine Has Been Cut Off 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.
- FOOTNOTE 6: The Three (3) Known Openings To the Mine, A Drift, A Shaft, and A Slope Type Drift Appear To Have Been Sealed in Some Manner. No Visible Discharges were Observed. Percentage of Inundation, if Any, is Undeterminable.
- FOOTNOTE 7: 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.
- FOOTNOTE 8: The No. 10 Mine, which was Not Extensively Developed, Appears To Be Sealed in Some Manner. No Visible Discharges were Observed. Percentage of Inundation, if Any, is Undeterminable.
- FOOTNOTE 9: 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 Off 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.

VALLEY COAL COMPANY

LEONARD RUN NO. 1 MINE

LOWER KITTANNING COAL SEAM

SITUATE

PINE AND CHERRYHILL TOWNSHIPS, INDIANA COUNTY, PENNSYLVANIA

Scale 1"=500'

Date: AUG. 31, 1992

PREPARED BY

THE ENGINEERING STAFF OF VALLEY COAL COMPANY

P.O. BOX 86, ALVERDA, PENNSYLVANIA 17100

Refuse Disposal Site(s) Information

COAL REFUSE DISPOSAL SITES (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-MAINED.

INFORMATION REGARDING COAL REFUSE DISPOSAL SITE (3) IS UNKNOWN, EXCEPT THAT THE AREAS AFFECTED WERE BACKFILLED AND PLANTED IN GRASSES. PERMIT NUMBERS ARE UNKNOWN, AND ALL AFFECTED AREAS HAVE BEEN LEFT IN ABANDONMENT.

RETAIN SILT LADEN WATERS FROM COAL CLEANING OPERATIONS OF THE HEILWOOD COAL PREPARATION PLANT OWNED BY BETHLEHEM MINER CORP., SUBSIDIARIES, AND OTHERS. PERMIT NUMBERS ARE UNKNOWN, AND ALL AFFECTED AREAS HAVE BEEN LEFT IN ABANDONMENT.

(5), (6), AND (7) LOCATION OF THE HEILWOOD COAL PREPARATION PLANT, STORAGE AREAS, AND TREATMENT POND OWNED BY BETHLEHEM MINER CORP., SUBSIDIARIES, AND OTHERS. PERMIT NUMBERS ARE UNKNOWN.