



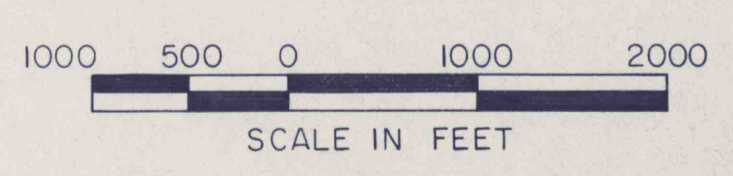
LEGEND

- Proposed Kephart Mine Area (Middle Kittanning (C) Coal Seam)
- 1000' From Proposed Kephart Mine Area
- Abandoned Vertical Shaft
- Y Y Active Mine Entries
- Y Y Abandoned Mine Entries
- Y Dashed Symbol Indicates Approximate Location of Mine Entries
- Proposed Rushton Mine Area (Clarion-Brookville (A) Coal Seam)
- MIDDLE KITTANNING (C) COAL SEAM**
- █ Current Mining Area - Kephart Mine
- █ Adjacent Abandoned Mines in Middle Kittanning (C) Coal Seam
- MK Outcrop
- OTHER MAJOR COAL SEAMS**
- █ Upper Freeport (E) Outcrop
- █ Lower Freeport (D) Outcrop
- █ Upper Kittanning (C-Prime) Outcrop
- █ Lower Kittanning (E) Outcrop
- █ Clarion-Brookville (A) Rushton Mine Outcrop
- STRIP MINE PERMITS**
- Proposed
- Active
- Inactive
- } Letter Symbol Indicates a Specific Permit Area. See Report for Detailed Description.

SOURCE: Inspector Bill Anderson, Pa. D.E.R. - Bureau of Mining and Reclamation, Philipsburg District Office.

I, the undersigned, hereby certify that this map is correct and shows to the best of my knowledge and belief, all the information required by the mining laws of this state.
State of Pennsylvania.

Cameron R. Mock
Cameron R. Mock, PE 30644-E
8-19-83
DATE



PART II - TECHNICAL REPORT
Application for Deep Bituminous Coal Mine Water Quality Permit

- NOTES**
- Strip Mine Permit Areas May Not Correspond with Strip Mined Areas Because of Different Sources. Some Minor Coal Seams That Have Been Strip Mined Are Not Identified on This Map.
 - Mined Areas Identified From Data Provided by Associated Drilling, Inc., Pa. D.E.R. Division of Mine Subsidence, and Publications of Pa. D.E.R. Bureau of Topographic and Geologic Survey. See Report for Detailed Description of Identified Prior Mine Workings.

WALLACETON	PHILIPSBURG
HOUTZDALE	SANDY RIDGE

U.S.G.S. 75' QUADRANGLE TOPOGRAPHIC MAP SERIES INDEX

EXHIBIT 4b
ASSOCIATED DRILLING, INC.
KEPHART MINE
CLEARFIELD COUNTY PENNSYLVANIA
PRIOR MINING MAP
L. ROBERT KIMBALL & ASSOCIATES
CONSULTING ENGINEERS & ARCHITECTS
EBENSBURG PENNSYLVANIA PITTSBURGH

DRAWN BY M.E.A.	DATE 6-21-83	CODE NO.	SHEET NO.
TRACED BY R.E.A.	DATE 7-1-83	SCALE	
CHECKED BY M.E.A.	DATE 7-14-83	As Shown	OP
APPROVED BY C.R.M.	DATE		