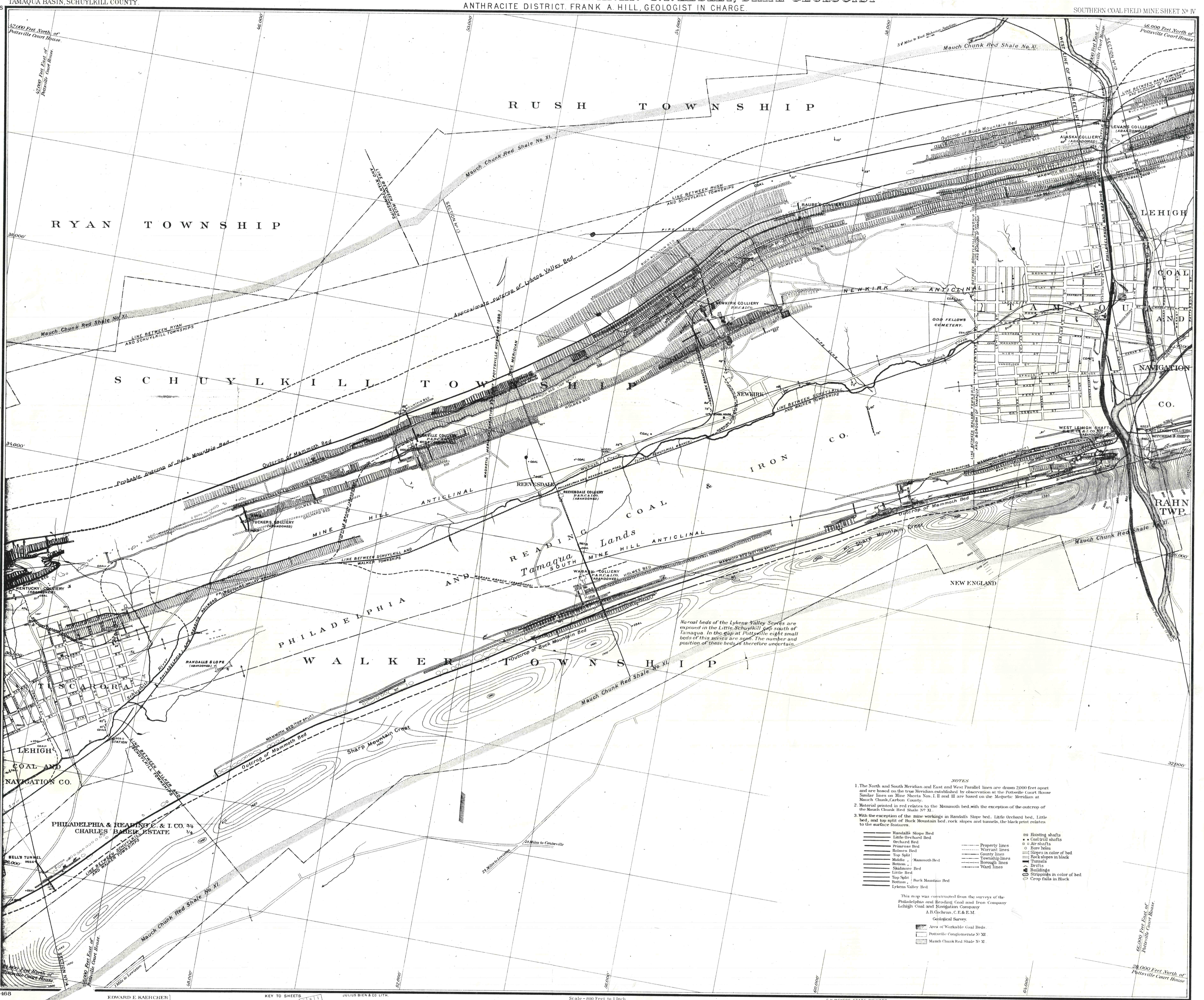
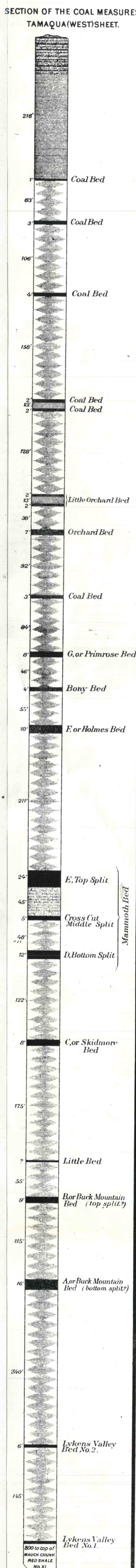


GEOLOGICAL SURVEY OF PENNSYLVANIA. J.P. LESLEY, STATE GEOLOGIST
 ANTHRACITE DISTRICT. FRANK A. HILL, GEOLOGIST IN CHARGE.

SOUTHERN COAL FIELD MINE SHEET No. IV



Normal beds of the Lykens Valley Series are exposed in the Little Schuylkill gap south of Tamaqua. In the gap at Pottsville eight small beds of this series are seen. The number and position of these beds is therefore uncertain.

- NOTES
1. The North and South Meridian and East and West Parallel lines are drawn 2000 feet apart and are based on the true Meridian established by observation at the Pottsville Court House. Similar lines on Mine Sheets Nos. I, II and III are based on the Magnetic Meridian at Mauch Chunk, Carbon County.
 2. Material printed in red relates to the Mammoth bed with the exception of the outcrop of the Mauch Chunk Red Shale No. XI.
 3. With the exception of the mine workings in Randall's Slope bed, Little Orchard bed, Little bed, and top split of Buck Mountain bed, rock slopes and tunnels, the black print relates to the surface features.
- Handall's Slope Bed
 - Little Orchard Bed
 - Orchard Bed
 - Primrose Bed
 - Edinore Bed
 - Top Split
 - Middle of Mammoth Bed
 - Bottom of Mammoth Bed
 - Skidmore Bed
 - Little Bed
 - Top Split
 - Bottom of Buck Mountain Bed
 - Lykens Valley Bed
 - Basement
 - Property lines
 - Moraine lines
 - County lines
 - Township lines
 - Borough lines
 - Water lines
 - Hoisting shafts
 - Coal-trail shafts
 - Air shafts
 - Bram holes
 - Slopes in color of bed
 - Rock slopes in black
 - Thames
 - Drifts
 - Buildings
 - Strippings in color of bed
 - Crop falls in black

This map was constructed from the surveys of the Philadelphia and Reading Coal and Iron Company, Lehigh Coal and Navigation Company, A. B. Graham, C. E. & E. M. Geological Survey.