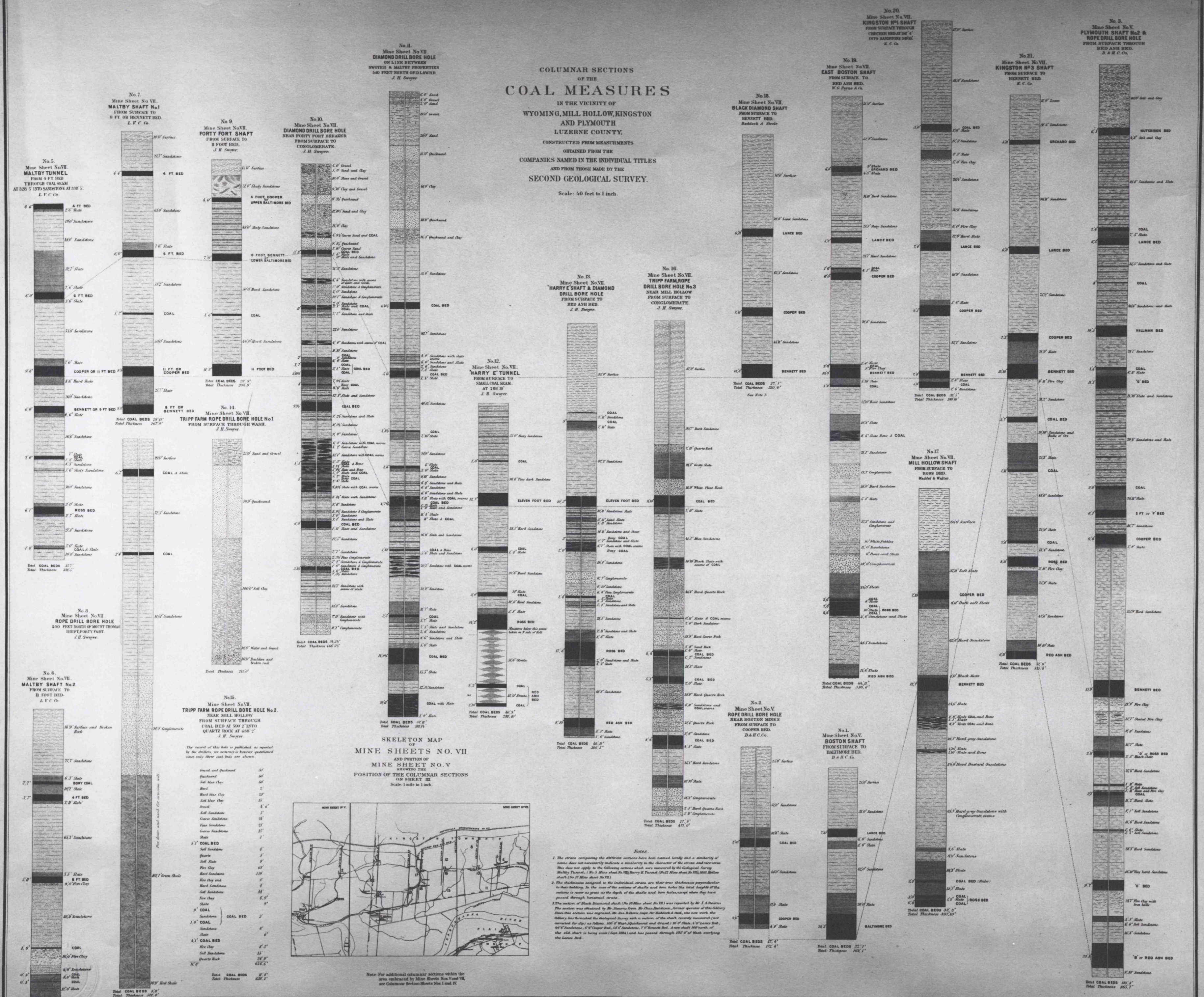


COLUMNAR SECTIONS  
OF THE  
COAL MEASURES

IN THE VICINITY OF  
WYOMING, MILL HOLLOW, KINGSTON  
AND PLYMOUTH  
LUZERNE COUNTY,  
CONSTRUCTED FROM MEASUREMENTS  
OBTAINED FROM THE  
COMPANIES NAMED IN THE INDIVIDUAL TITLES  
AND FROM THOSE MADE BY THE  
SECOND GEOLOGICAL SURVEY.

Scale: 40 feet to 1 inch.



No. 7. Mine Sheet No. VII. MALTBY SHAFT No. 1 FROM SURFACE TO 9 FT. OR BENNETT BED. L. F. C. Co.

No. 9. Mine Sheet No. VII. FORTY FORT SHAFT FROM SURFACE TO 8 FOOT BED. J. H. Swager.

No. 10. Mine Sheet No. VII. DIAMOND DRILL BORE HOLE NEAR FORTY FORT BREAKER FROM SURFACE TO CONGLOMERATE. J. H. Swager.

No. 11. Mine Sheet No. VII. DIAMOND DRILL BORE HOLE ON LINE BETWEEN SWAGER & MALTBY PROPERTIES 540 FEET NORTH OF PLANE. J. H. Swager.

No. 12. Mine Sheet No. VII. HARRY E' TUNNEL FROM SURFACE TO SMALL COAL SEAM. AT 218 0'. J. H. Swager.

No. 13. Mine Sheet No. VII. HARRY E' TUNNEL FROM SURFACE TO SMALL COAL SEAM. AT 218 0'. J. H. Swager.

No. 14. Mine Sheet No. VII. TRIPP FARM ROPE DRILL BORE HOLE No. 1 FROM SURFACE THROUGH WASH. J. H. Swager.

No. 15. Mine Sheet No. VII. TRIPP FARM ROPE DRILL BORE HOLE No. 2 NEAR MILL HOLLOW FROM SURFACE THROUGH QUARTZ ROCK AT 628 2'. J. H. Swager.

No. 16. Mine Sheet No. VII. TRIPP FARM ROPE DRILL BORE HOLE No. 3 NEAR MILL HOLLOW FROM SURFACE TO CONGLOMERATE. J. H. Swager.

No. 17. Mine Sheet No. VII. MILL HOLLOW SHAFT FROM SURFACE TO ROSS BED. Muddel & Walter.

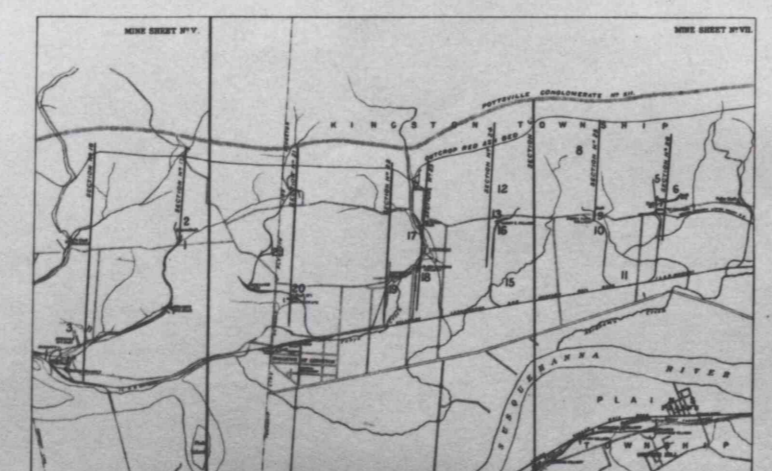
No. 18. Mine Sheet No. VII. BLACK DIAMOND SHAFT FROM SURFACE TO BENNETT BED. Hindock & Steele.

No. 19. Mine Sheet No. VII. EAST BOSTON SHAFT FROM SURFACE TO RED ASH BED. W. G. Payne & Co.

No. 20. Mine Sheet No. VII. KINGSTON No. 7 SHAFT FROM SURFACE THROUGH CHECKER BED AT 367 4' INTO SANDSTONE BED. K. C. Co.

No. 21. Mine Sheet No. VII. KINGSTON No. 3 SHAFT FROM SURFACE TO BENNETT BED. K. C. Co.

SKELETON MAP OF MINE SHEETS NO. VII AND PORTION OF MINE SHEET NO. V POSITION OF THE COLUMNAR SECTIONS ON SHEET III. Scale 1 mile to 1 inch.



Notes:  
1. The strata comprising the different sections have been named locally and a similarity of name does not necessarily indicate a similarity in the character of the strata and vice versa. This does not apply to the following sections which were measured by the Geological Survey: Maltby Tunnel, No. 1; Mine about No. 10; Harry E' Tunnel, No. 1; Mine about No. 10; Mill Hollow shaft, No. 1; Mine about No. 10.  
2. The thickness assigned to the individual strata are their true thickness perpendicular to their bedding. In the case of the sections of shafts and bore holes the total height of the sections is never as great as the depth of the shafts and bore holes, except where they have passed through horizontal strata.  
3. The section of Black Diamond shaft (No. 18) Mine about No. 10 was reported by J. A. Swager. The section was obtained by Mr. Swager from Mr. Chas. Hindock, former owner of this shaft. The section was measured by Mr. J. H. Swager, Geologist in Charge of the Survey, who was with the shaft during the geological survey with a section of the shaft recently measured (see account for slip) as follows: 100' of Blue (Sandstone and Gravel); 10' of Slate; 6' of Limestone; 40' of Sandstone; 1' of Copper Bed; 10' of Sandstone; 1' of Bennett Bed; 100' of Sandstone of the old shaft is being used (Capt. 1884) and has passed through 100' of Blue covering the LANCE BED.