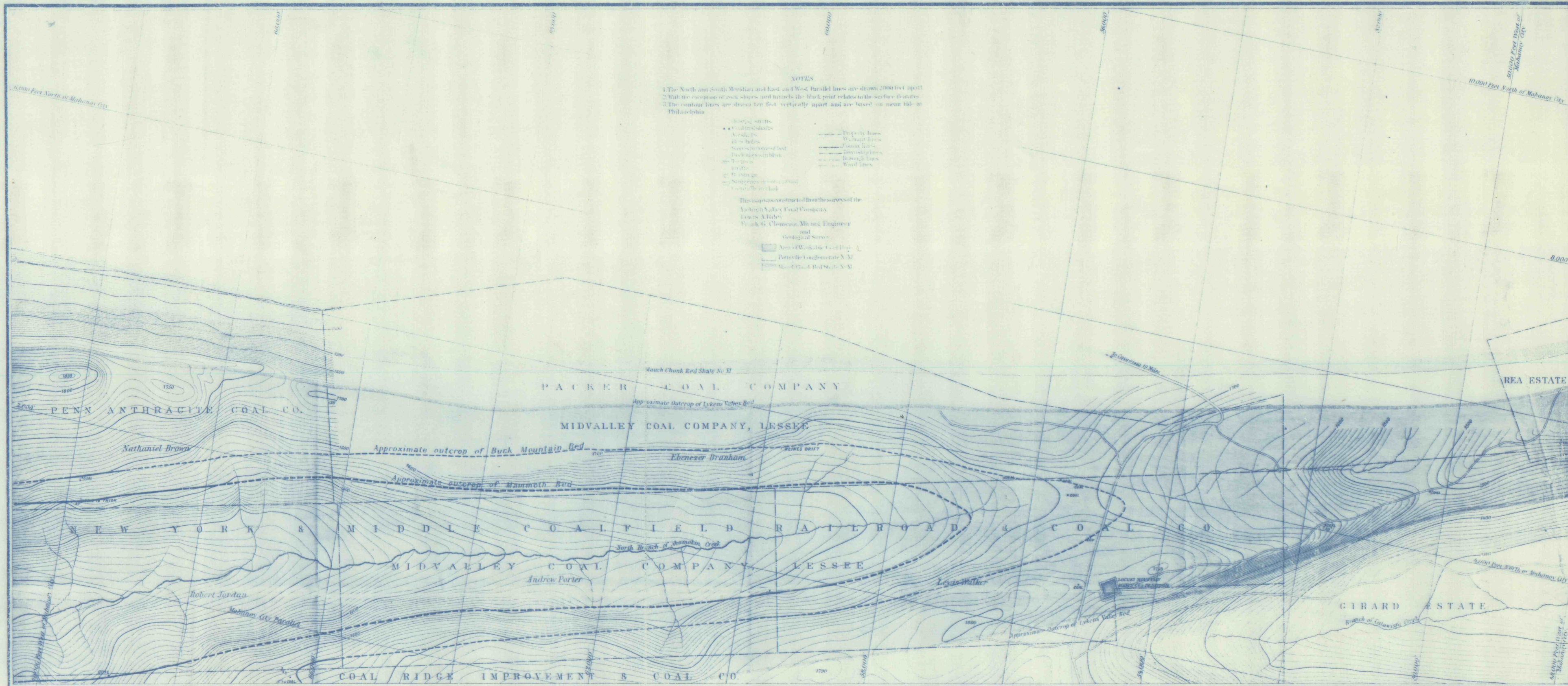


GEOLOGICAL SURVEY OF PENNSYLVANIA. J.P. LESLEY, STATE GEOLOGIST
 ANTHRACITE DISTRICT FRANK A. HILL, GEOLOGIST IN CHARGE

BLACK DIAMOND BASIN, COLUMBIA COUNTY

WESTERN MIDDLE COAL FIELD MINE SHEET N. 12

SECTION OF COAL MEASURES
 HICKORY SWAMP COLLIERY
 Union Coal Co.
 LANCASTER COLLIERY
 Smith & Torker
 No. 8 Red
 No. 7 Red
 No. 6 Red
 No. 5 Red
 No. 4 Red
 No. 3 Red
 No. 2 Red
 No. 1 Red
 Scale 200' 1"

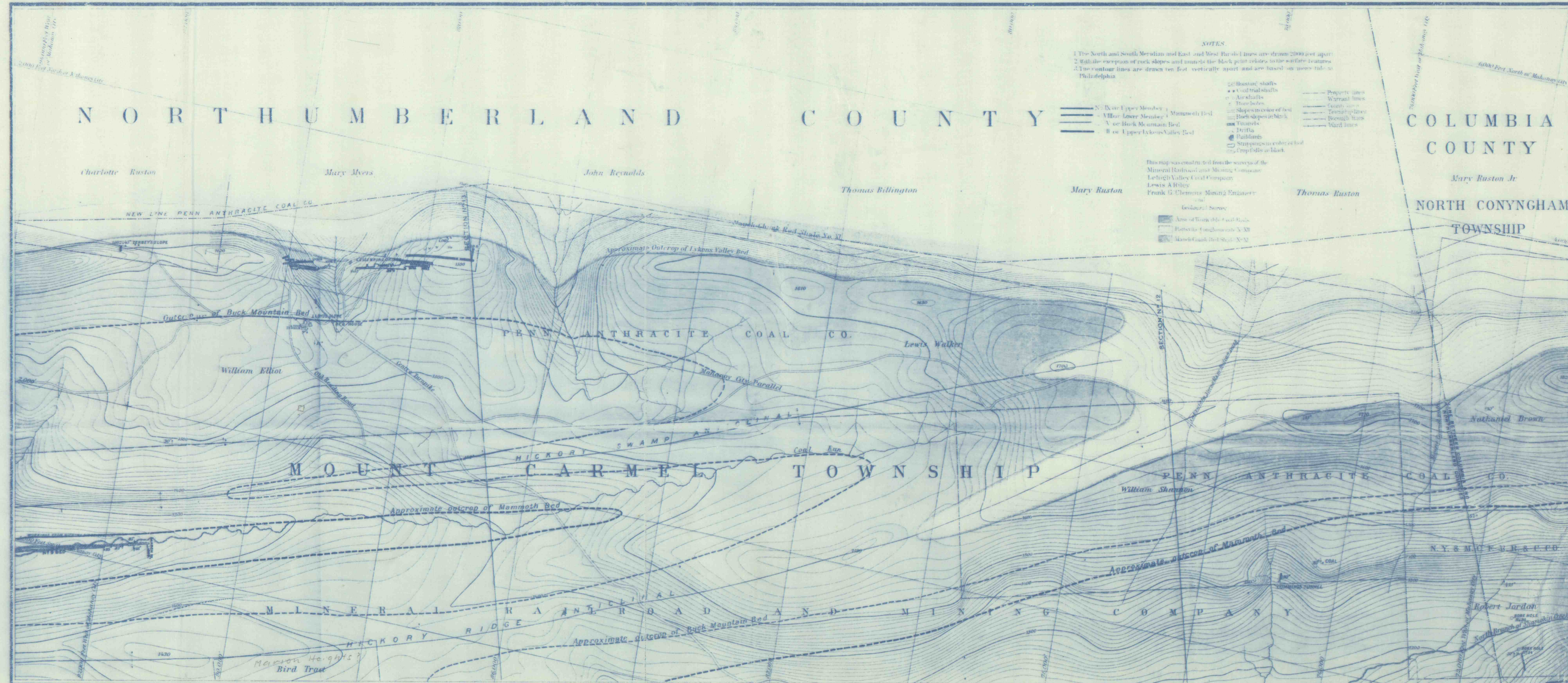


539
 Latitude of Mammouth City (from and Main Street) measured 18° 45' 45" N. Longitude 77° 24' 30" E. of Washington.

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

SILVERKIN COAL RUN AND BLACK DIAMOND BASINS, NORTH UMBERLAND AND COLUMBIA COUNTIES

WESTERN MIDDLE COAL FIELD MINE SHEET N. 13



540
 Latitude of Mammouth City (from and Main Street) measured 18° 45' 45" N. Longitude 77° 24' 30" E. of Washington.