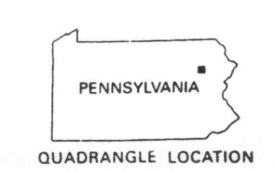
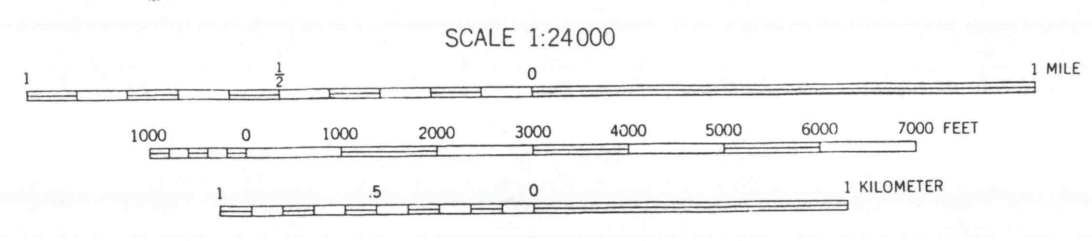
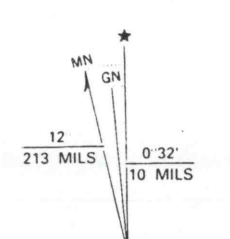
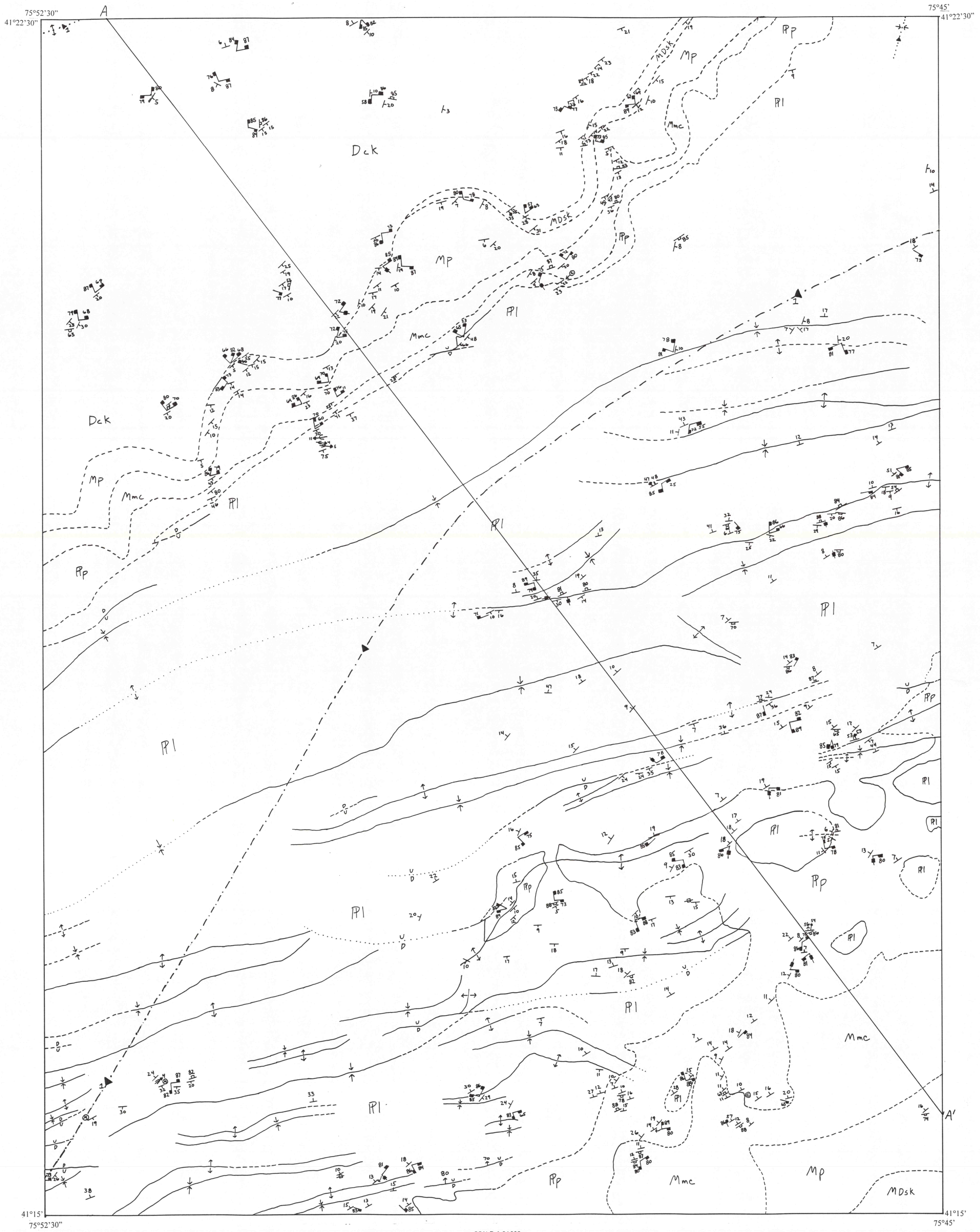


BEDROCK GEOLOGIC MAP OF THE PITTSBURGH QUADRANGLE, LACKAWANNA AND LUZERNE COUNTIES, PENNSYLVANIA

BY MICHAEL J. HARRISON
2000



Formation contacts were determined from field mapping, aerial photographs, and reconnaissance geologic maps. Geologic structures not controlled by field data were derived from the following sources: (1) Atlas of Northern Anthracite Field: Pennsylvania Geological Survey, 2nd; (2) Structure Map of the Northern Anthracite Coal Basin, Pennsylvania (Darton, 1939); and (3) Preliminary Structure Contour and Outcrop Map of the Lower Red Ash Coal, Northern Anthracite Field, Pennsylvania (Bergin and Robertson, 1962-1963).

UTM GRID AND 1995 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET