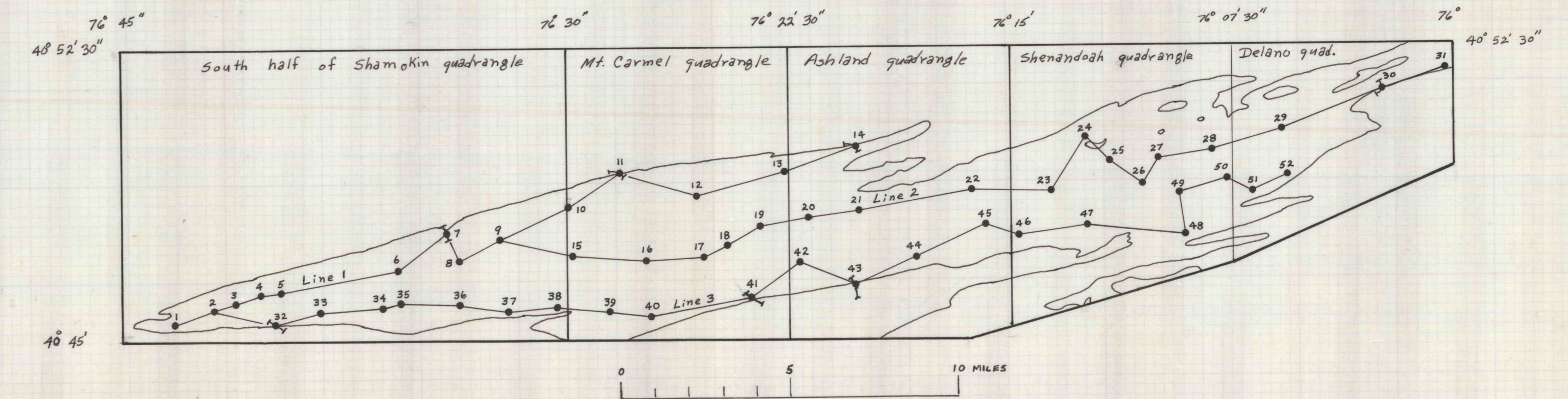
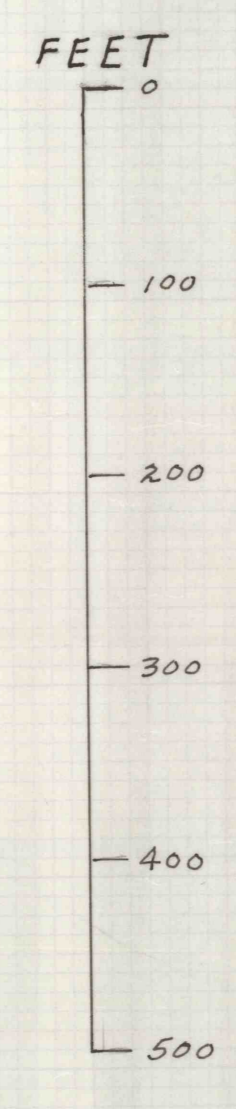
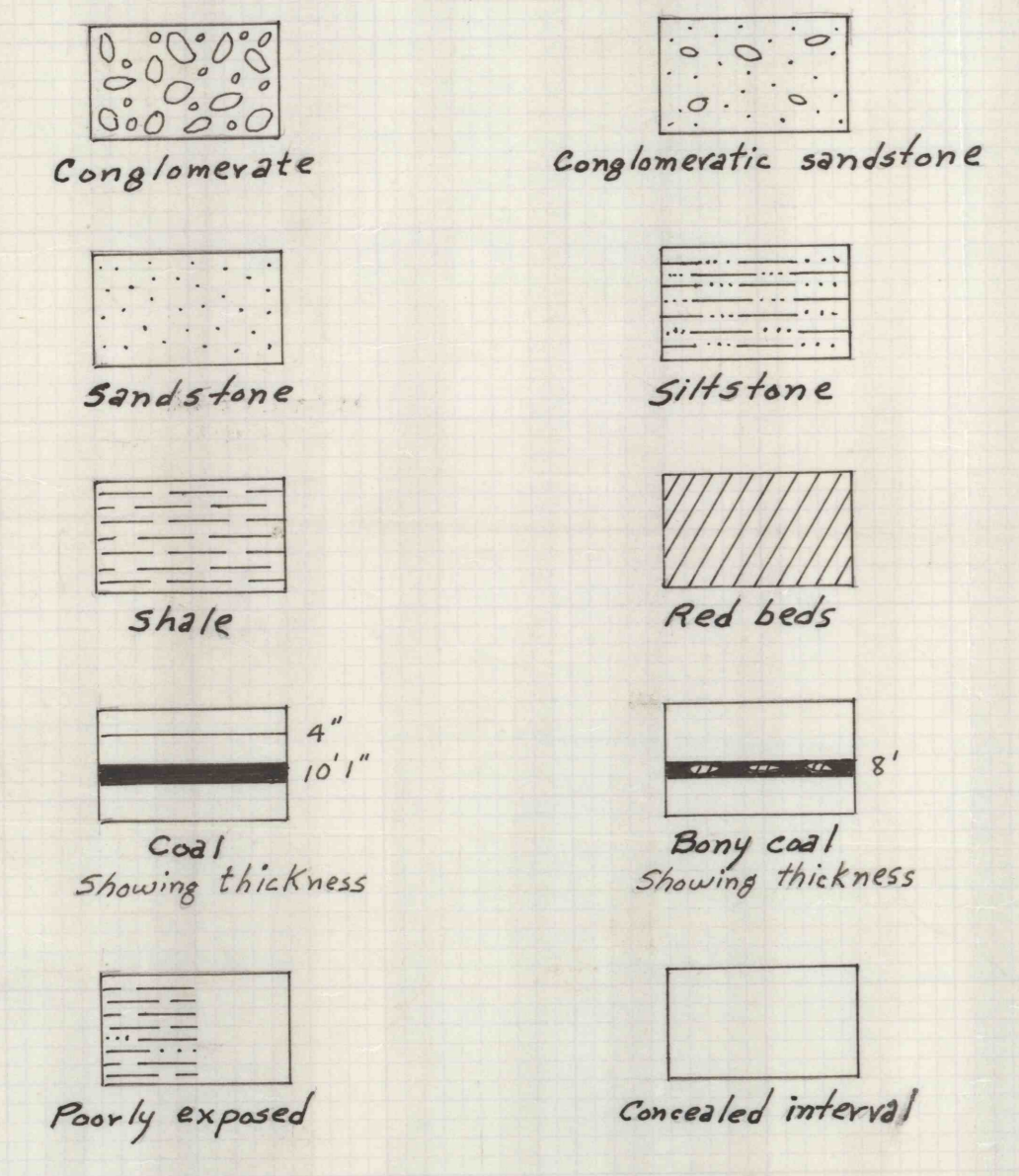


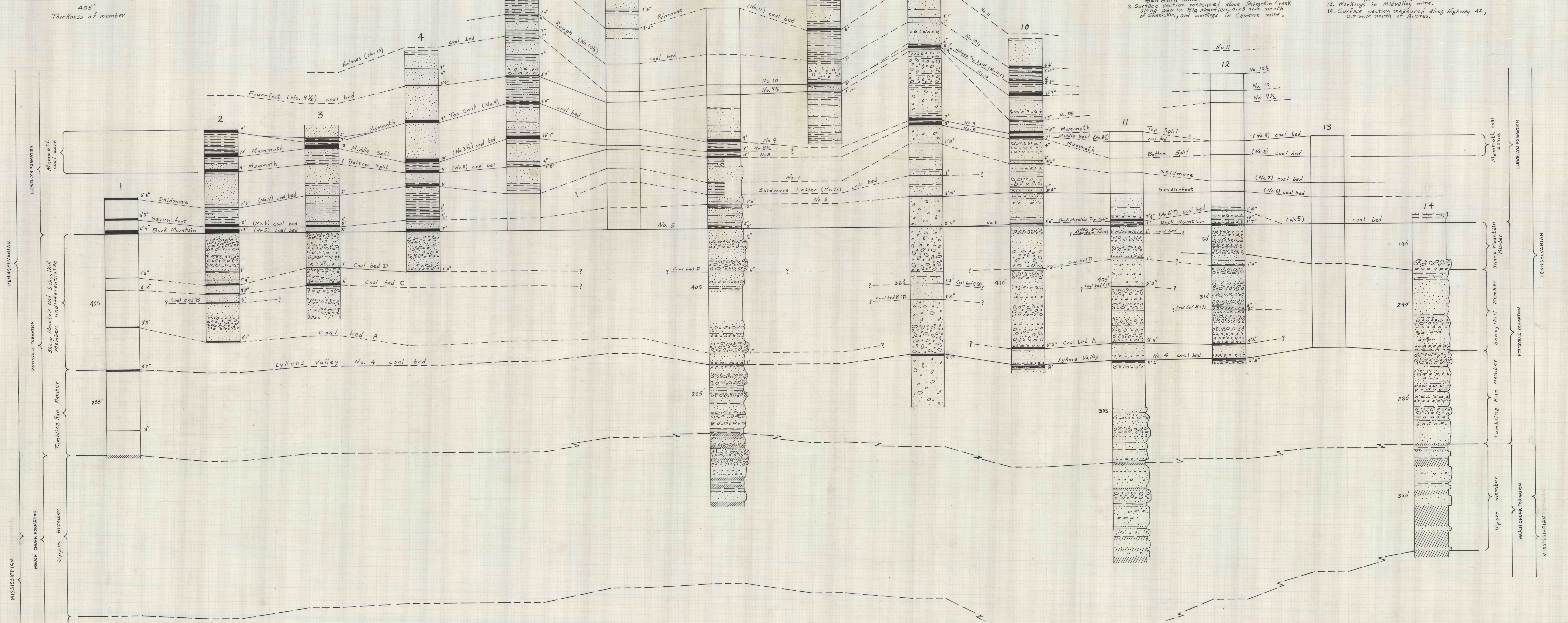
EXPLANATION



INDEX MAP OF REPORT AREA SHOWING DISTRIBUTION OF PENNSYLVANIAN ROCKS (shaded area) AND LOCATION OF SECTIONS AND LINES OF SECTIONS (Line 2 shown on plate ; Line 3 shown on plate)

SOURCES OF DATA (Sections 1-14)

- Field observations and workings in Katherine mine.
- Tunnel in North Franklin mine.
- Test bore hole in North Franklin mine.
- Tunnel in North Franklin mine.
- Main slope and diamond drill hole No. 12 in North Franklin mine.
- Diamond drill hole No. 543 and workings in Glen Burn mine.
- Surface section measured above Shamokin Creek along gap in Big Mountain, 0.25 mile north of Shamokin, and workings in Cameron mine.
- Diamond drill hole at Neilson shaft.
- Tunnel and bore hole in Luke Fidler mine.
- Diamond drill holes No. 206 and No. 282 in Hickory Ridge mine and No. 120 in Natalie mine.
- Surface section measured along Highway 54, 0.3 mile northwest of Natalie and diamond drill hole No. 3 and workings in Natalie mine.
- Diamond drill hole No. 10 in Natalie mine and workings in Richards mine.
- Workings in Midvalley mine.
- Surface section measured along Highway 42, 0.7 mile north of Ariates.



COLUMNAR SECTIONS OF PENNSYLVANIAN ROCKS IN WESTERN MIDDLE ANTHRACITE FIELD, PENNSYLVANIA (LINE 1)