



**Loyalanna limestone**  
(siliceous limestone)

Cpo

**Pocono formation**  
(gray sandstone and sandy shale)

**ECONOMIC AND STRUCTURE DATA**

Coal outcrops

db Pittsburgh coal  
 ut Upper Freeport coal  
 uk Upper Kittanning coal and underlying  
 Johnstown limestone member  
 lk Lower Kittanning coal

Structure contours drawn on horizon of Johnstown limestone member of Allegheny formation, immediately underlying the Upper Kittanning coal  
 (contour interval, 50 feet; datum, mean sea level)

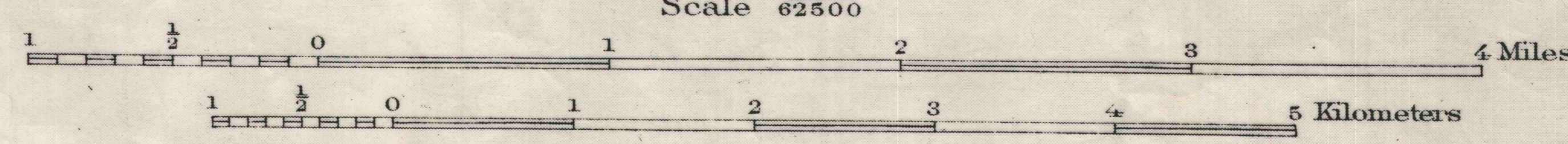
■ Coal mine shaft  
 ✕ Coal mine  
 (unless otherwise specified)  
 × Country coal bank  
 ✖ Sandstone quarry  
 ls Limestone quarry  
 (mostly abandoned)  
 ⚡ Gas well  
 ◇ Dry hole

- LIST OF COAL MINES**
- Location indicated on the map by numbers
- Saylor
  - Orenda No. 5
  - Orenda No. 4
  - Orenda No. 3
  - Consolidation No. 123
  - Ralpton No. 14
  - Forge No. 4
  - Forge No. 6
  - Forge No. 5
  - Consolidation No. 127
  - Consolidation No. 126
  - Consolidation No. 125
  - Berkey
  - Antoinette
  - Orenda No. 2
  - Hurd
  - Kelly
  - Consolidation Nos. 118 and 119
  - Crescent
  - Alex
  - Belmont Nos. 4 and 5
  - Belmont Nos. 2 and 3
  - Consolidation Nos. 120 and 121
  - Quamahoning Creek No. 1
  - Quamahoning Creek No. 2
  - Alexander
  - Horner
  - Thermal No. 3
  - Steffey No. 2
  - Steffey No. 3
  - Premier
  - Ralpton No. 2
  - Consolidation No. 117
  - Ralpton No. 4
  - Ralpton No. 7
  - Ralpton No. 5
  - Ralpton No. 1
  - Ralpton No. 3
  - Brant
  - Ralpton No. 6
  - Auman
  - Davis
  - Highland
  - Woy
  - Neva
  - Thermal No. 2
  - Stauffer Nos. 1 and 4
  - Consolidation No. 115
  - Louise
  - Junior

- LIST OF WELLS**
- Location indicated on the map by numbers
- Rhoads
  - Lohr
  - Mull
  - Moore
  - Herwig (show of gas)
  - Maust (show of gas)
  - W. H. Miller
  - O. S. Miller
  - Long
  - Bowman
  - Boutz
  - Emmert

R.B. Marshall, Chief Geographer.  
 Frank Sutton, Geographer in charge.  
 Topography by Robert Muldrow, T.F. Slaughter, and F.W. Farnsworth.  
 Control by Geo. T. Hawkins, L.F. Biggs, and T.A. Green.  
 Surveyed in 1912-1913.

TRUE NORTH  
 MAGNETIC NORTH  
 APPROXIMATE MEAN DECLINATION 1926



Contour interval 20 feet.  
 Datum is mean sea level.  
 Edition of Mar. 1934

Geology by G. B. Richardson.  
 Surveyed in 1913.  
 SOUTH HALF SOMERSET QUAD  
 SOMERSET CO., PA  
 SHOWING COAL OUTCROPS  
 1" = 2000'  
 3/27/74

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.