| SY5 | TEM | SERIES | GROUP | FORMATION | MEMBER | LITHOLOGY | REMARKS |
|---------------|----------------------------|--|----------|--|--|------------|---|
| QUAT | | | | | | 0 0 0 | Alluvium: unconsolidated elay, sand, silt, gravel, and cobbles. Chiefly medium- to dark-gray sandstone, siltstone, shale, and coal. Coal grades from anthracite in the eastern part of the area to semianthracite in western part of area. Publit Nel (No. 20) coal had |
| CARBONIFEROUS | 1 / | r Mississ and Pennsylv | | Pottsville. | er member Tumbling Schuylkill Sharp Mountain | | Tummel coal bed Spahm or Peach Mountain (No. 18) coal bed Little Tracy coal bed Tracy (No. 16) coal bed Little Diamond coal bed Diamond coal bed Little Orchard coal bed Diamond coal bed Little Orchard coal bed Primrose coal bed Reugh coal bed Reugh coal bed Holmes (No. 10) coal bed Four-foot coal bed Mammoth Top Split coal bed Mammoth Top Split coal bed Mammoth Hiddle Split (No. 3) coal bed Seven-foot coal bed Seven-foot coal bed Seven-foot coal bed Seven-foot coal bed Chiefly conglemerate and sandstone: massive, light— to medium-gray, quartz—pebble conglemerate and sandstone: light— to medium-gray, quartz granule and pebble conglemerate; medium— to dark-gray conglemeratie sandstone, sandstone, siltstone, and shale. Lykens Valley No. 4 (LV4) coal bed Chiefly conglemerate, sandstone, and shale: medium-gray to clive-gray, pebble and cobble conglemerate with cobbles as much as 5 inches in diameter; similarly colored sandstone, siltstone, and shale observed and sandstone, siltstone, siltstone, and shale observed of brownish-gray to grayish-red sandstone, siltstone, and shale observed for the underlying Hauch Chunk Formation alternating with medium-dark-gray, brownish-gray to grayish-red sandstone, siltstone, and shale observed for the underlying Hauch Chunk Formation alternating with medium-dark-gray brownish-gray to grayish-red sandstone, siltstone, and shale observed for the underlying Hauch Chunk Formation alternating with medium-dark-gray brownish-gray, and clive-gray conglemerate, sandstone, siltstone, and shale observed for the underlying Hauch Chunk Formation alternation, and shale observed for the overlying Pottsville Formation. |
| | SSISSIPPIAN MISS | 8 9 | | Mauch Chunk | member middle member uppe | /200 ft. ± | Sandstone, siltstone, mudstone, and shale: thin- to medium-bedded, very fine to medium-grained, grayish-red and reddish-brown sandstone interbedded with similarly colored siltstone, mudstone, and shale; in some mappable units sandstone predominates, in others siltstone and shale predominate (see map); very thin beds of green and grayish-green mudfer are common; commonly cross laminated and crossbedded; muderacks, ripple marks, and raindrep impressions locally abundant. Mostly concealed in Brush Valley. Sandstone, siltstone, and shale: one or more units of yellowish-brown to olive-gray sandstone, siltstone, and shale ranging from 10 to 50 feet in thickness, separated by thicker units of grayish-red to reddish-brown sandstone, siltstone, and shale. |
| | MI | | | | lower | | Chiefly sandstone: thin- to medium-bedded, very light to medium-dark gray, medium- to coarse-grained; interbedded with similarly colored siltstone and |
| | DEVONIAN AND MISSISSIPPIAN | Upper Devenian and Lower Mississippian | Hamilton | Pocono | | 0 0 0 0 | shale. |
| | | | | Catskill | Spechty | 0.00.0.0.0 | Conglomerate: medium-bedded to massive, light-gray to yellowish-brown, quartz- pebble conglomerate. Unconformity at base. Chiefly sandstone, siltstone, and shale: medium-gray, yellowish-brown, and light- olive-gray sandstone, siltstone, and shale; generally interbedded with grayish- red sandstone, siltstone, and shale; basal part commonly yellowish-brown, quartz-pebble conglomerate. Sandstone, siltstone, mudrock, and shale: thin- to medium-bedded, pale-brown to grayish-red, very fine to fine-grained sandstone interbedded with similarly colored siltstone, mudrock, and shale; scattered units of dusky-yellow and light-olive-gray sandstone, siltstone, and shale which range from 1 to 175 feet in thickness; sparse poorly preserved fessil plant fragments. Middle and |
| | | | | | Buddys Run | | upper parts mostly concealed. |
| | | Middle Devonian Upper Devonian | | | Irish Valley | 1300 ft. ± | Sandstone, siltstone, and shale: thin- to medium-bedded, pale-brown and grayish- red alternating with light-elive-gray, greenish-gray, and yellowish-brown; red hues predominate in upper part, elive and gray hues in lower part; sparse plant and marine fessils. |
| | | | | · Mahantango Harrell Brallier Trimmers Rock Shale Sandstone. | | 1200 ft. ± | Chiefly sandstone, siltstone, and shale: sandstone very thin to medium-bedded, light-olive-gray, very fine- to fine-grained. Siltstone and shale very thin to thim-bedded, dusky-vellow to clive-gray. Sparse thin beds of sargillaceous limestone. Even-bedded, flaggy to blocky; abundant marine fossils, flute, groove, and load oasts. Dark-gray to clive-gray shale alternating with thin beds of similarly colored sandstone. Upper 150 feet: upper shale member; chiefly medium- to dark-gray, slightly calcareous shale. Lower 100 feet: Burket Black Shale Member; grayish-black to black shale, pyritic, scattered calcareous nodules. Chiefly shale: medium-dark-gray to grayish black, and clive-gray; upper 30 feet highly calcareous with several thin beds of argillaceous limestone; interbedded silty shale and siltstone prevalent in middle and lower parts. Abundant marine fossils. |
| | | | | | tone upper shale | | |
| | | | | | lower shale Mo and sandstone Sa | 000 | Olive-gray to brownish-gray, fine to coarse-grained sandstone, locally conglomeratic. Chiefly siltstone and shale: medium- to dark-gray, calcareous silty shale and siltstone; several discrete thin beds of dark-gray to brownish-gray, fine- to medium-grained sandstone. |

VERTICAL SCALE 1 INCH = 400 FEET