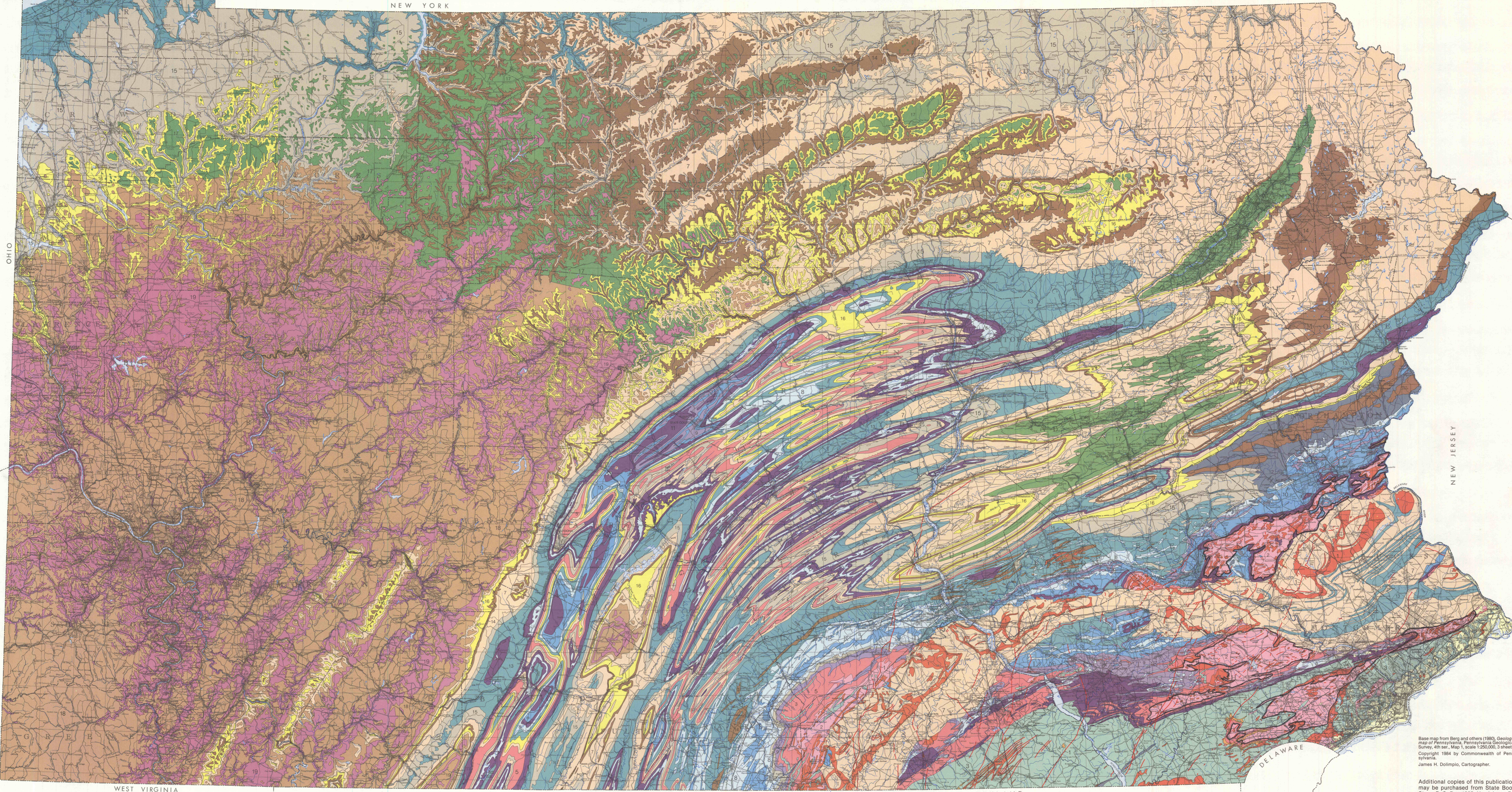
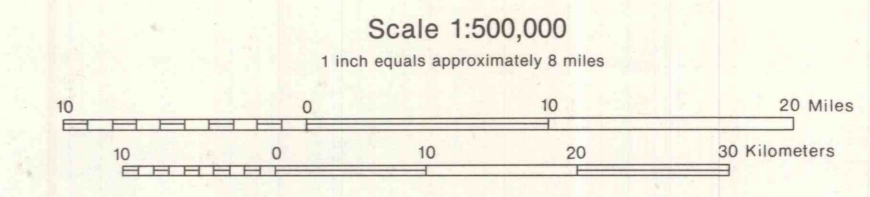

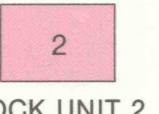
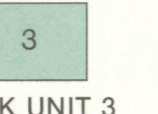
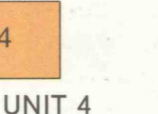

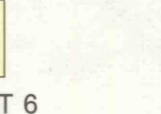



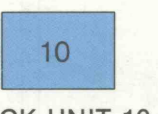
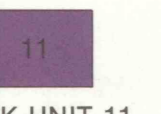
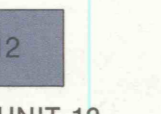
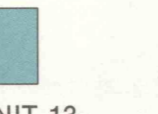
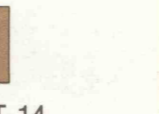







# ROCK TYPES OF PENNSYLVANIA

COMPILED BY  
THOMAS M. BERG, W. D. SEVON, AND ROBIN ABEL  
1984



## EXPLANATION

-   
**ROCK UNIT 1**  
 Dark-colored (basic) igneous and metamorphic rocks. Includes mafic gneiss and gabbro, diabase and metadiabase, serpentinite, and metabasalt.
-   
**ROCK UNIT 2**  
 Light-colored (acid) igneous and metamorphic rocks. Includes granite and granite gneiss, felsic gneiss, granodiorite and granodiorite gneiss, quartz monzonite and quartz monzonite gneiss, anorthosite, and metarhyolite.
-   
**ROCK UNIT 3**  
 Schist, including minor amounts of gneiss, quartzite, and phyllite.
-   
**ROCK UNIT 4**  
 Marble.
-   
**ROCK UNIT 5**  
 Quartzite.
-   
**ROCK UNIT 6**  
 Unconsolidated sediments. Includes coastal-plain deposits, Delaware River gravel, and sand at Presque Isle. Does not include glacial deposits.
-   
**ROCK UNIT 7**  
 Red sedimentary rocks. Includes sandstone, siltstone, shale, and some conglomerate.
-   
**ROCK UNIT 8**  
 Limestone.
-   
**ROCK UNIT 9**  
 Dolomite.
-   
**ROCK UNIT 10**  
 Mixed limestone and dolomite.
-   
**ROCK UNIT 11**  
 Limestone or dolomite mixed with sandstone, shale, or chert.
-   
**ROCK UNIT 12**  
 Slate.
-   
**ROCK UNIT 13**  
 Shale and siltstone.
-   
**ROCK UNIT 14**  
 Sandstone and minor amounts of shale or siltstone.
-   
**ROCK UNIT 15**  
 Shale or siltstone, and minor amounts of sandstone.
-   
**ROCK UNIT 16**  
 Sandstone and/or conglomerate.
-   
**ROCK UNIT 17**  
 Mixed sandstone and conglomerate, with coal, shale, and siltstone. Includes anthracite seams in eastern Pennsylvania.
-   
**ROCK UNIT 18**  
 Mixture of sandstone, siltstone, shale, claystone, limestone, and coal.
-   
**ROCK UNIT 19**  
 Mixture of siltstone, shale, sandstone, limestone, claystone, and coal. Includes the most economically important bituminous coal seams.

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