

# EXPLANATION for GH Wood's Tamagua Quad

reviewed 7/72

Exposed Rocks

Qal  
Alluvium

UNCONFORMITY

Pl  
Hewellyn Formation

IPps  
IPpc  
IPpt  
Pottsville Formation  
IPps, Sharp Mountain Member  
IPpt, Schuylkill Member  
IPpt, Tumbling Run Member

PMmu  
Mmm  
Mml  
Mauch Chunk Formation  
PMmu, upper member  
Mmm, middle member  
Mml, lower member

Mp  
Pocono Formation

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MDcs  
Dcd  
Dcc  
Dcbr  
Dcs  
Dcp  
Dcl  
Dtb  
Dcw  
Dtt  
Dt

Catskill Formation and Trimmers Rock Sandstone  
MDcs, Specht's Kopf Member  
Dcd, Duncannon Member  
Dcc, Clark's Ferry Member  
Dcbr, Berry Run Member  
Dcs, Sawmill Run Member ✓  
Dcp, Packerton Member ✓  
Dcl, Long Run Member  
Dcw, Walckville Member

Trimmers Rock Sandstone  
Dtb, Beaverdam Run Member  
Dtt, Towamensing Member ✓  
Dt, lower member

Dma  
Mahantango Formation

Dm  
Marcellus Shale

Shown in section only

Dbr  
Middle and Lower Devonian rocks undifferentiated

Locally contains representatives of Buttermilk Falls Limestone, Palmerton Sandstone of Swartz (1939), Schoharie and Esopus Formations, Ridgeley Sandstone, Shriver Chert, and New Scotland Formation

SDeb  
Silurian and Devonian rocks undifferentiated

Locally contains representatives of Coeymans Formation, Decker Formation, and Bossardville Limestone

Sp  
Pocono Island Formation of White (1882)

Sb  
Bloomsburg Red Beds

Ss  
Shawangunk Conglomerate

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Om  
Martinsburg Shale

Upper Miss. and Lower Penn.  
Upper and Lower Penn.  
Upper Mississippian  
Lower Miss.  
and upper Dev.  
Upper Devonian  
Middle Devonian  
Middle and Lower Devonian  
Lower Devonian and Upper Silurian  
Upper + Middle Silurian  
Lower Silurian  
Upper Middle and Lower Ordovician

QUATERNARY  
PENNSYLVANIAN  
MISS AND PENN  
MISSISSIPPIAN  
DEVONIAN  
SILURIAN  
ORDOVICIAN

LITHOLOGIC SYMBOLS FOR SELECTED MAP UNITS WITHIN MAUCH CHUNK, POCONO, CATSKILL FORMATIONS, AND TRIMMERS ROCK SANDSTONE

cg

gray + buff ss

red ss

red sh

interbedded red + gray

red beds

### LINE SYMBOLS

Geologic features such as coal beds, contacts, faults, and fold lines whose traces are shown on the geologic quadrangle map are classified according to the accuracy of location. They are shown by solid lines where accurately located, by long dashes where approximately located, and by short dashes where indefinitely located. The traces of geologic features, if concealed by an overlying mapped geologic unit, are shown by continuous dots.

— — — — — bm — — —  
Coal Bed

Only selected coal beds shown,  
pm, Peach Mountain coal bed or No. 18  
p, Primrose coal bed or No. 11  
M, Bottom Split coal bed [or No. 8] of Mammoth Coal Zone  
bm, Buch, Mountain coal bed or No. 5

— — — — —  
Contact

U  
D  
Fault

U, upthrown side, D, downthrown side

— — — — —  
Fault

Showing relative horizontal movement

▼ ▼ ▼ ▼ ▼  
Thrust fault  
sawteeth on upper plate

↑  
Anticline

\*  
Syncline

↕  
Overturned anticline  
showing direction of dip of limbs

↕  
Overturned syncline  
showing direction of dip of limbs

65° 80°  
Inclined Overturned Vertical  
Strike and dip of beds

50°  
Strike and dip of cleavage

30° 45° 70°  
Inclined Vertical Mineralized  
Strike and dip of joints  
length of strike line proportional to number of joints in ratio of 3:2:1

✓ Member of Catskill Formation herein adopted. Sevon, William, 1969, Sedimentology of some Mississippian and Pleistocene deposits of Northeast Pennsylvania in Geology of selected areas in New Jersey and eastern Pennsylvania and Guidebook excursions, Rutgers University Press, New Brunswick, New Jersey, p. 233-234.