

LEGEND

SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines, subaerial deposits by patterns of dots and circles)

Qal

Alluvium  
(in flood plains of  
present streams)

Qg

Glacial gravel  
(crushed gravel and sands  
of probable Kansan origin,  
thin beds of Madison sand-  
stone and crystalline rock)

Qcm

Carmichaels  
formation  
(sand, silt, clay, and water-  
worn particles of under-  
lying rocks)

Qoa

Older alluvium  
(gravel and silt of  
local derivation)

Ccm

Conemaugh  
formation  
with Ames  
limestone and  
Salisbury  
sandstone  
lenticles

(sandy shale and coarse  
sandstones, with thin  
coal seams and impure  
limestones)

Ca

Allegheny  
formation  
and Vanport  
limestone lentil

(shale and massive sand-  
stones with beds of lime-  
stone and several valu-  
able beds of coal and fire  
clay)

Cpv

Pottsville  
formation  
(massive sandstone, often  
shaly at the top and at  
horizon of Mercer coals)

Cpo

Pocono  
formation  
(massive sandstone, with  
small coal seams and  
associated shale)

Known  
productive  
areas

Coal outcrops

(continuous lines represent  
coal beds of workable or  
probably workable thick-  
ness; dashed lines, coal  
beds not known to be work-  
able)

Upper Freeport, U

Lower Freeport, L

Allegheny, A

Allegheny, M

Allegheny, C

Allegheny, S

Allegheny, E

Allegheny, W

Allegheny, N

Allegheny, S

Allegheny, E

Allegheny, W

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