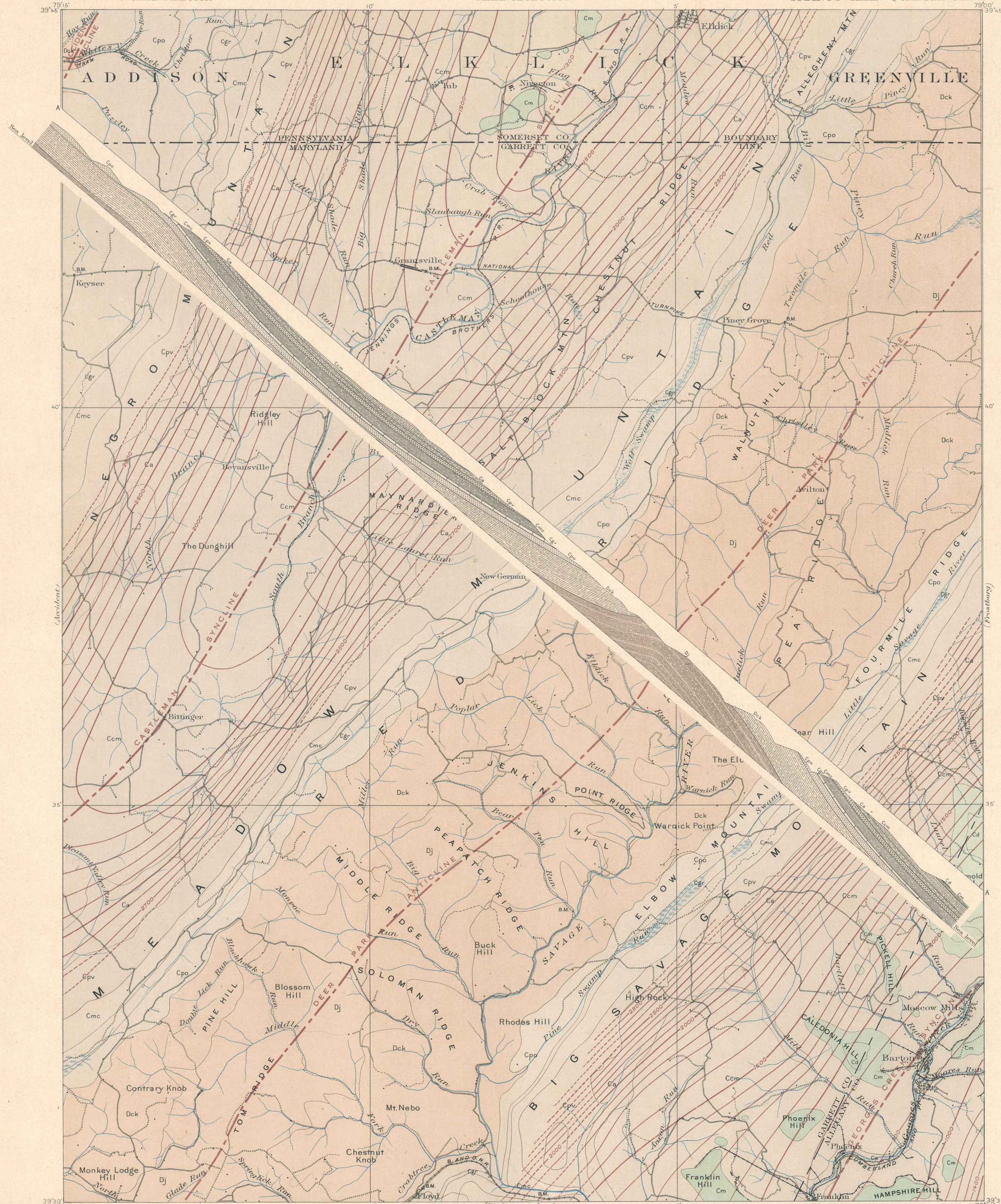


STRUCTURE SECTIONS

STATE OF MARYLAND
WILLIAM BULLOCK CLARK
STATE GEOLOGIST

MARYLAND-PENNSYLVANIA
GRANTSVILLE QUADRANGLE

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR



LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

Cd Cd

Dunkard formation
(shale, sandstone, and limestone with thin coal beds)

Cm Cm

Monongahela formation
(shale, sandstone, and limestone; Pittsburgh coal at the bottom; Hibernia coal at the top; several other coal beds between)

Ccm Ccm

Conemaugh formation
(shale, sandstone, and limestone, with Hibernia coal at top; lower Hibernia coal below)

Ca Ca

Allegheny formation
(shale and sandstone; Upper Freeport coal at top; lower Hibernia coal below)

Cpv Cpv

Pottsville formation
(sandstone, conglomerate, and shale, with Mount Seneca fire clay and a few thin coal beds)

Cmc Cmc

Mauch Chunk formation
(red and green shale and sandstone)

Cgr Cgr

Greenbrier limestone
(limestone with much interbedded shale)

Cpo Cpo

Pocomo sandstone
(sandstone and conglomerate with some shale)

Dck Dck

Catskill formation
(red and green shale and sandstone)

Dj Dj

Jennings formation
(shale and sandstone)

1500

Structure contours showing elevation above sea level and configuration of the top of the Pottsville formation. Contours shown only in synclines where Pottsville has been preserved; lines are broken where top of formation is eroded. Contour interval 100 feet.

Pennsylvanian (Possibly Permian at top)

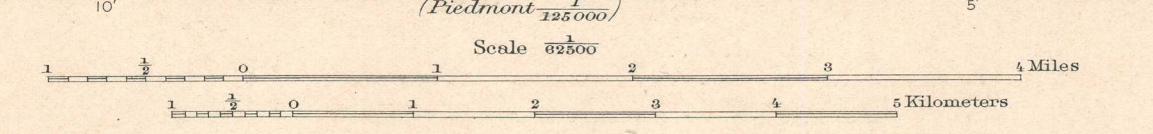
Mississippian

(Frontal)

CARBONIFEROUS

DEVONIAN

H.M. Wilson, Geographer in charge.
Control by Geo. T. Hawkins and J.H. Jennings.
Topography by W. Carvel Hall.



Geology by G.C. Martin.
Surveyed in 1900-1903.
SURVEYED IN COOPERATION WITH THE STATE OF MARYLAND.

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