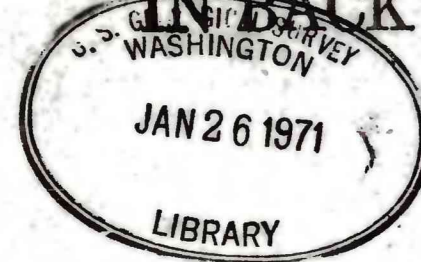


(200)  
L295  
76.1508

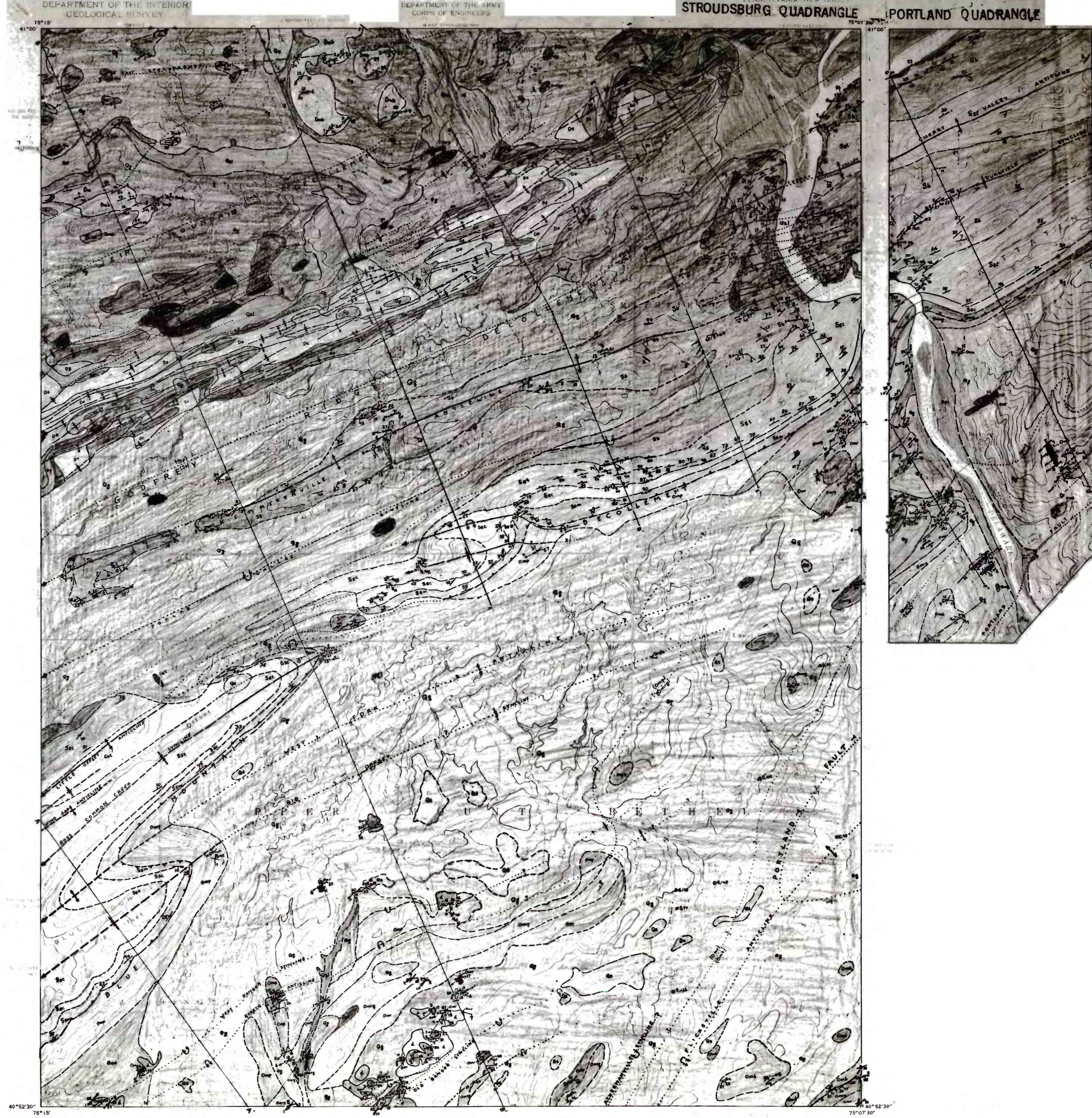
QUADRANGLES, PENNSYLVANIA-NEW JERSEY  
PLEASE REPLAC IN POKET  
IN BACK OF BOUND VOLUME



EXPLANATION

Eocene	Qd	Slate dump
	Qal	Alluvium and flood-plain deposits
Plastocene	Qs	Swamp deposits
	Qg	Glacial deposits, undifferentiated
	Qol	Older drift
Middle Devonian	UNCONFORMITY	
	Dm	Mahantango Formation
	cr, C	Centerfield bioseros, in middle
	Dab	Marcellus Shale
	Dmsu	Dab, Broadhead Creek Member; Dmsu, Stony Hollow and Union Springs Members, undifferentiated
	Dp	Buttermilk Falls Limestone
	Ds	Schoharie Formation
	De	Escopus Formation
	UNCONFORMITY	
	Dc	Oriskany Group, undivided
Lower Devonian	Dps	Port Even Shale
	Dmn	Minisink Limestone and New Scotland Formation, undifferentiated
	Dc	Coeymans Formation, undifferentiated
	Dsd	Rondout and Decker Formations, undifferentiated
Upper Silurian	Sbv	Bosardville Limestone
	Sp	Potomac Island Formation (shown in section only)
	Sb	Bloomburg Red Beds
Middle Silurian	Sst	Shawangunk Formation
	Sec	Shawangunk Formation
Lower Silurian	Ssw	Shawangunk Formation
	UNCONFORMITY	
Upper Ordovician	Omp	Martinsburg Formation
	Omb	Martinsburg Formation
Middle Ordovician	Omr	Martinsburg Formation
	Omb	Martinsburg Formation

- Contact
- Dashed where approximately located; short dashed where inferred; dotted where concealed
- Blue Mountain décollement
- Dashed where approximately located; short dashed where inferred; dotted where concealed. Sawteeth on upper plate
- Thrust fault, concealed
- f, on upper plate
- Anticline
- Showing trace of axial surface and direction of plunge. Dashed where approximately located; short dashed where inferred; dotted where concealed
- Overturned anticline
- Showing trace of axial surface and direction of dip of limbs and plunge. Dashed where approximately located; short dashed where inferred; dotted where concealed
- Syncline
- Showing trace of axial surface and direction of plunge. Dashed where approximately located; short dashed where inferred; dotted where concealed
- Overturned syncline
- Showing trace and dip of axial surface and direction of dip of limbs and plunge. Dashed where approximately located; short dashed where inferred; dotted where concealed
- Minor fold in cleavage
- Showing bearing and plunge of axis
- Inclined Overturned Rotated more than 180° Vertical Horizontal
- Strike and dip of beds
- Strike and dip of cleavage
- Strike and dip of bedding and cleavage parallel in strike but divergent in dip
- Inclined Horizontal
- Bearing and plunge of intersection of bedding and cleavage
- Bearing and plunge of bedding-plane slickensides
- Water well
- Number is depth to bedrock, in feet. Letter symbol indicates lithology penetrated: S, slate; C, carbonate rock
- Abandoned quarry or borrow pit
- Slate quarries in the Martinsburg Formation shown on map base



U.S. Geological Survey  
OPEN FILE MAP  
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.