

SURFICIAL GEOLOGY OF THE WAKEFIELD 7.5' QUADRANGLE, PA

Open-File Report 96-11

WAKEFIELD QUADRANGLE
PENNSYLVANIA—LANCASTER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

by **W. D. Sevon**
1996

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

**THIS REPORT HAS NOT BEEN REVIEWED
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EXPLANATION

A = Alluvium
Material underlies narrow to broad, flat-surfaced floodplains of perennial streams. Comprises stratified sand, silt, and clay in upper part; same plus gravel in lower part. Generally less than 10 feet thick.

C = Colluvium
Colluvium is unsorted and unstratified to crudely stratified debris derived from underlying bedrock. Comprises fragments set in finer-grained matrix. Platy fragments in schist bedrock areas (RC). Mapped where greater than 6 feet thick.

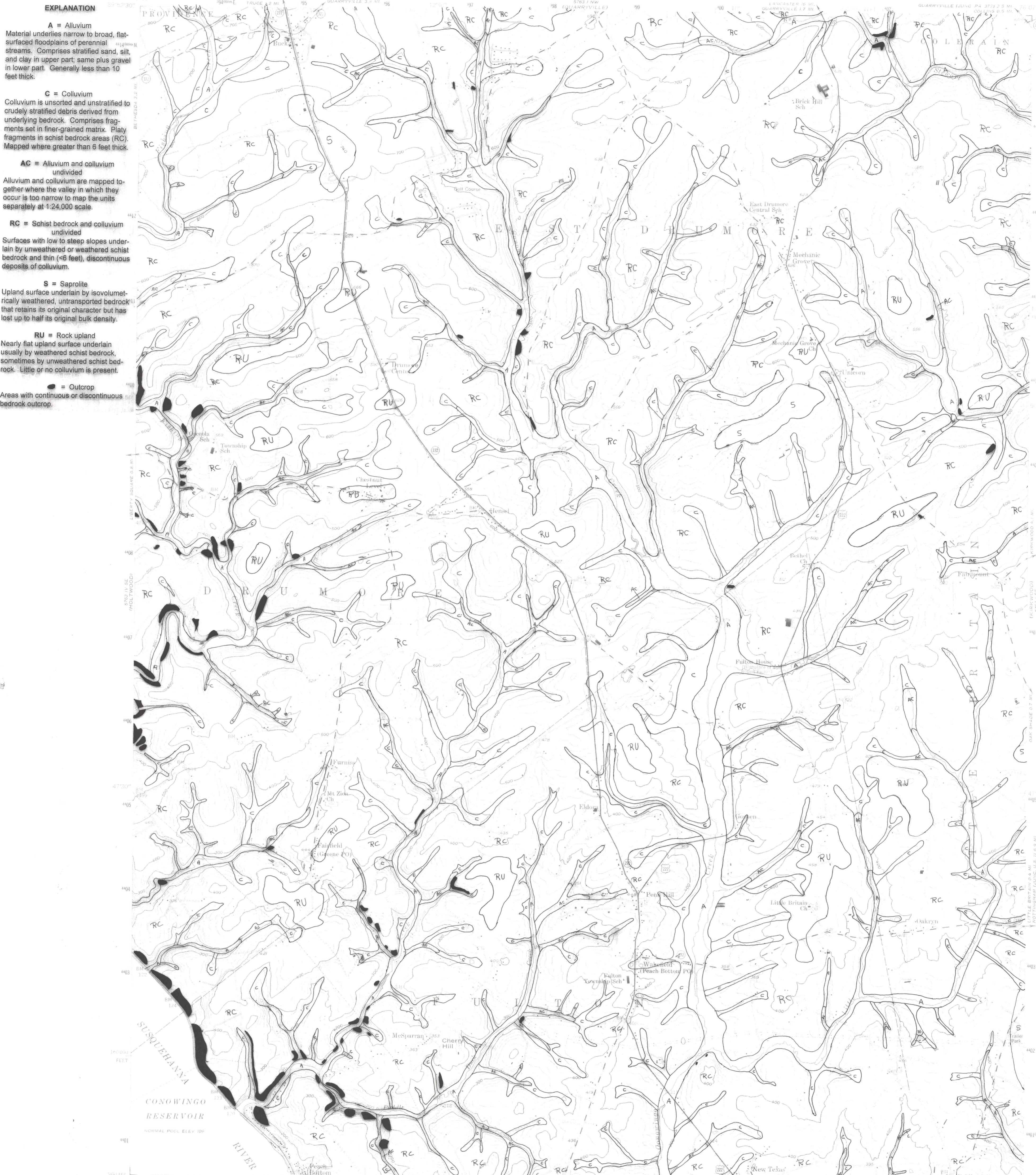
AC = Alluvium and colluvium undivided
Alluvium and colluvium are mapped together where the valley in which they occur is too narrow to map the units separately at 1:24,000 scale.

RC = Schist bedrock and colluvium undivided
Surfaces with low to steep slopes underlain by unweathered or weathered schist bedrock and thin (<6 feet), discontinuous deposits of colluvium.

S = Saprolite
Upland surface underlain by isovolumetrically weathered, untransported bedrock that retains its original character but has lost up to half its original bulk density.

RU = Rock upland
Nearly flat upland surface underlain usually by weathered schist bedrock, sometimes by unweathered schist bedrock. Little or no colluvium is present.

● = Outcrop
Areas with continuous or discontinuous bedrock outcrop.



Mapped, edited, and published by the Geological Survey
Control by USGS, USGAS, USCE, and USCS
Topography from aerial photographs by photogrammetric methods. Aerial photographs taken 1953. Field check 1955
Polyconic projection, 1927 North American datum
10,000-foot grid based on Pennsylvania coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue
Revisions shown in purple compiled in cooperation with State of Pennsylvania agencies from aerial photographs taken 1969 and 1976. This information not field checked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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1955
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