

**SURFICIAL GEOLOGY  
OF THE PENNSYLVANIA PART OF THE  
FAWN GROVE 7.5' QUADRANGLE, MD-PA**

**Open-File Report 96-15**

FAWN GROVE QUADRANGLE  
MARYLAND—PENNSYLVANIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)

by **W. D. Sevon**  
1996

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**THIS REPORT HAS NOT BEEN REVIEWED  
FOR CONFORMITY WITH THE PUBLICATION STANDARDS  
OF THE PENNSYLVANIA GEOLOGICAL SURVEY.**

**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.

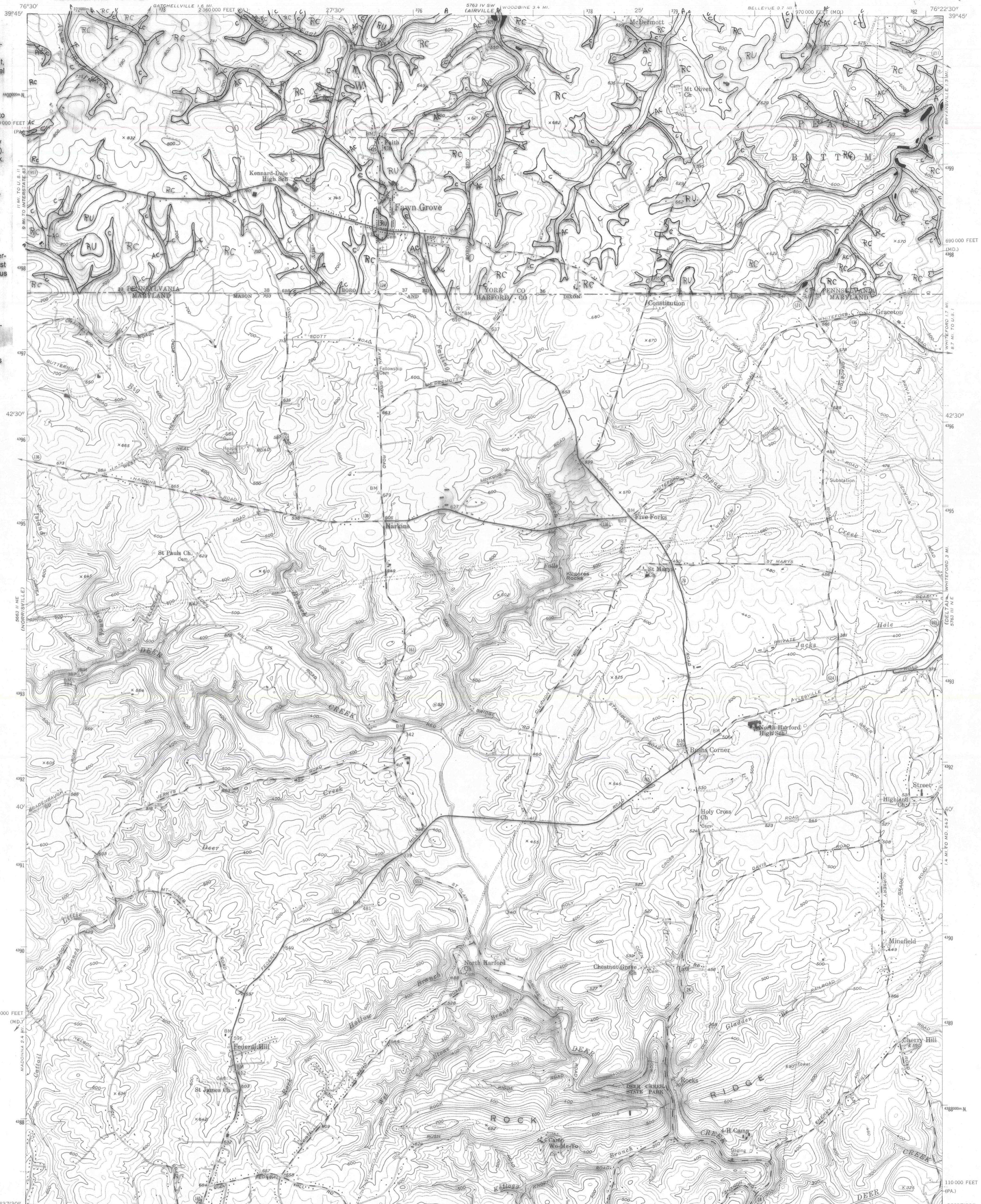
**C = Colluvium**  
Colluvium is unsorted and unstratified to crudely stratified debris derived from underlying bedrock. Comprises fragments set in finer-grained matrix. Play fragments in schist bedrock areas (RC). Mapped where greater than 6 feet thick.

**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.

**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

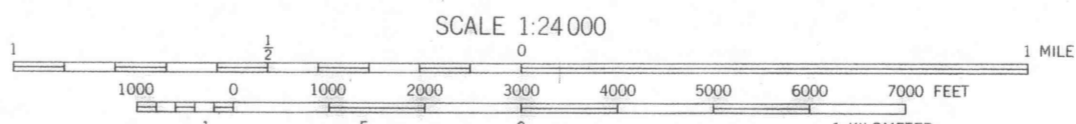
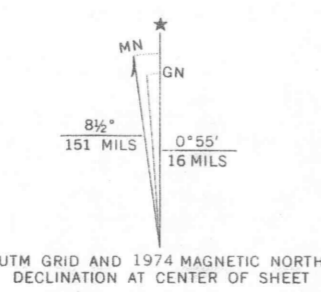
Control by USGS, NOS/NOAA, and USCE

Topography from aerial photographs by multiple methods

Aerial photographs taken 1954. Field check 1956

Polyconic projection. 1927 North American datum  
10,000-foot grids based on Maryland coordinate system,  
and Pennsylvania coordinate system, south zone  
1000-meter Universal Transverse Mercator grid ticks,  
zone 18, shown in blue

Unchecked elevations are shown in brown



CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial  
photographs taken 1974. This information not field checked



**ROAD CLASSIFICATION**  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
U. S. Route ○ State Route ○

**FAWN GROVE, MD.—PA.**

N 937.5—W 7622.5/7.5

1956  
PHOTOREVISED 1974  
AMS 5763 III NW—SERIES 9833

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