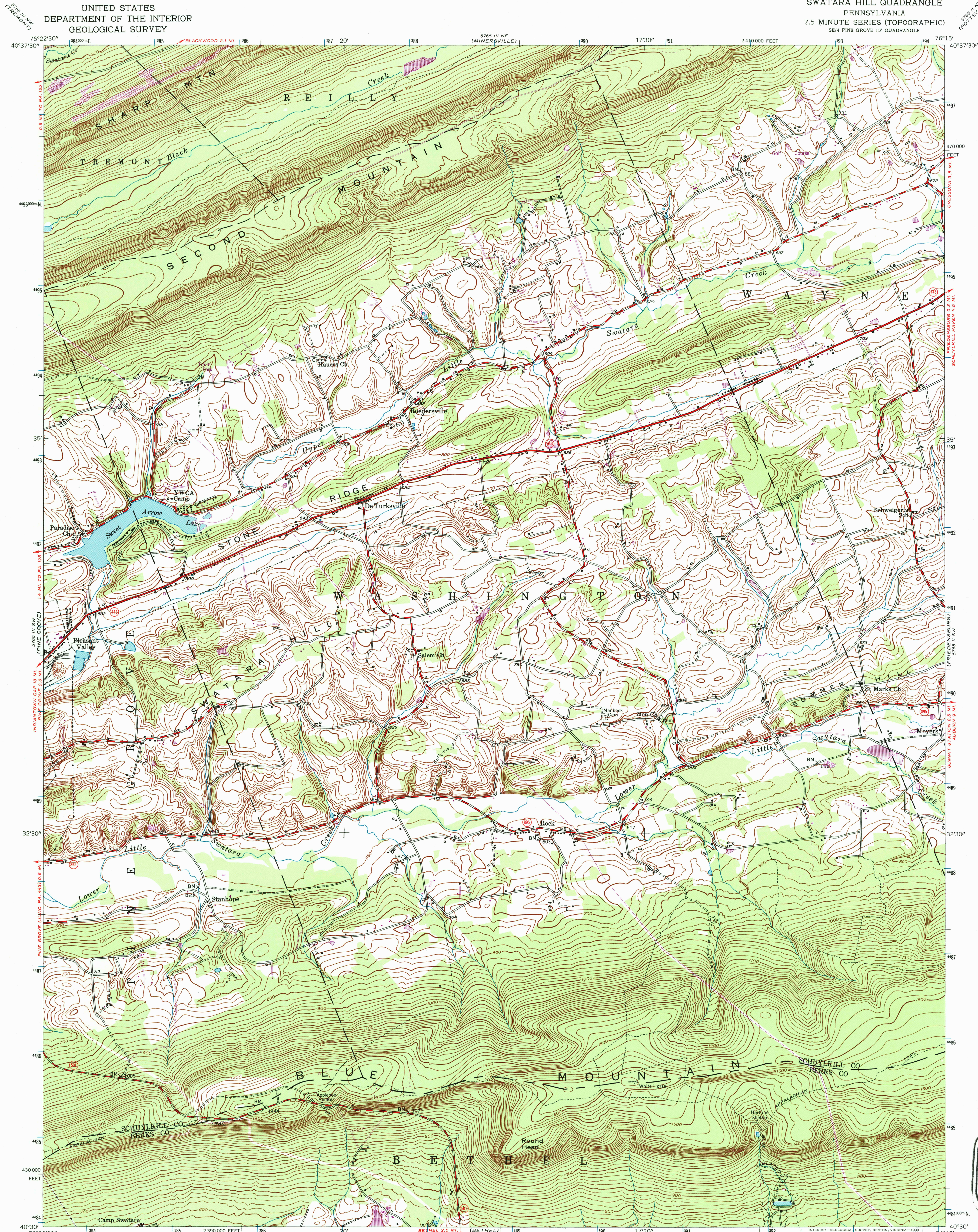


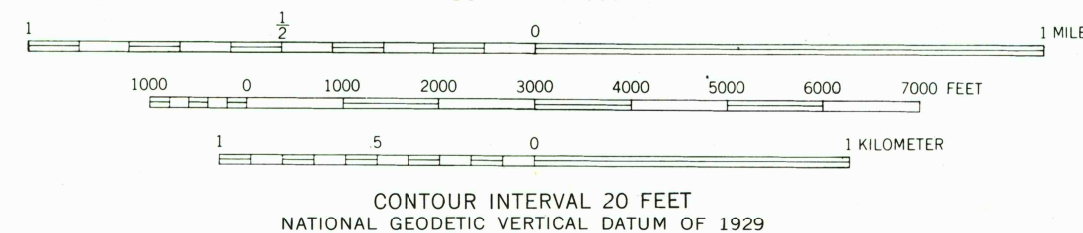
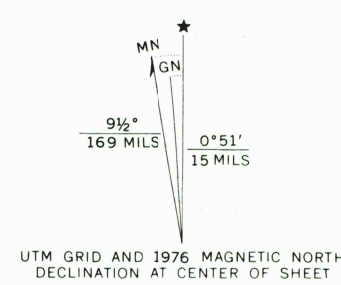
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SWATARA HILL QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 PINE GROVE 15' QUADRANGLE



USGS INFO HISTORICAL
MAP ACQUISITION
JUL 31 1990
REC'D FILE COPY

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by planetable surveys 1944. Culture revised 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
Map photoinspected 1983
No major culture or drainage changes observed



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

SWATARA HILL, PA.
SE/4 PINE GROVE 15' QUADRANGLE
N 4030—W 7615/7.5
PHOTOINSPECTED 1983
1955
PHOTOREVISED 1969 AND 1976
AMS 5765 III SE—SERIES V831

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
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