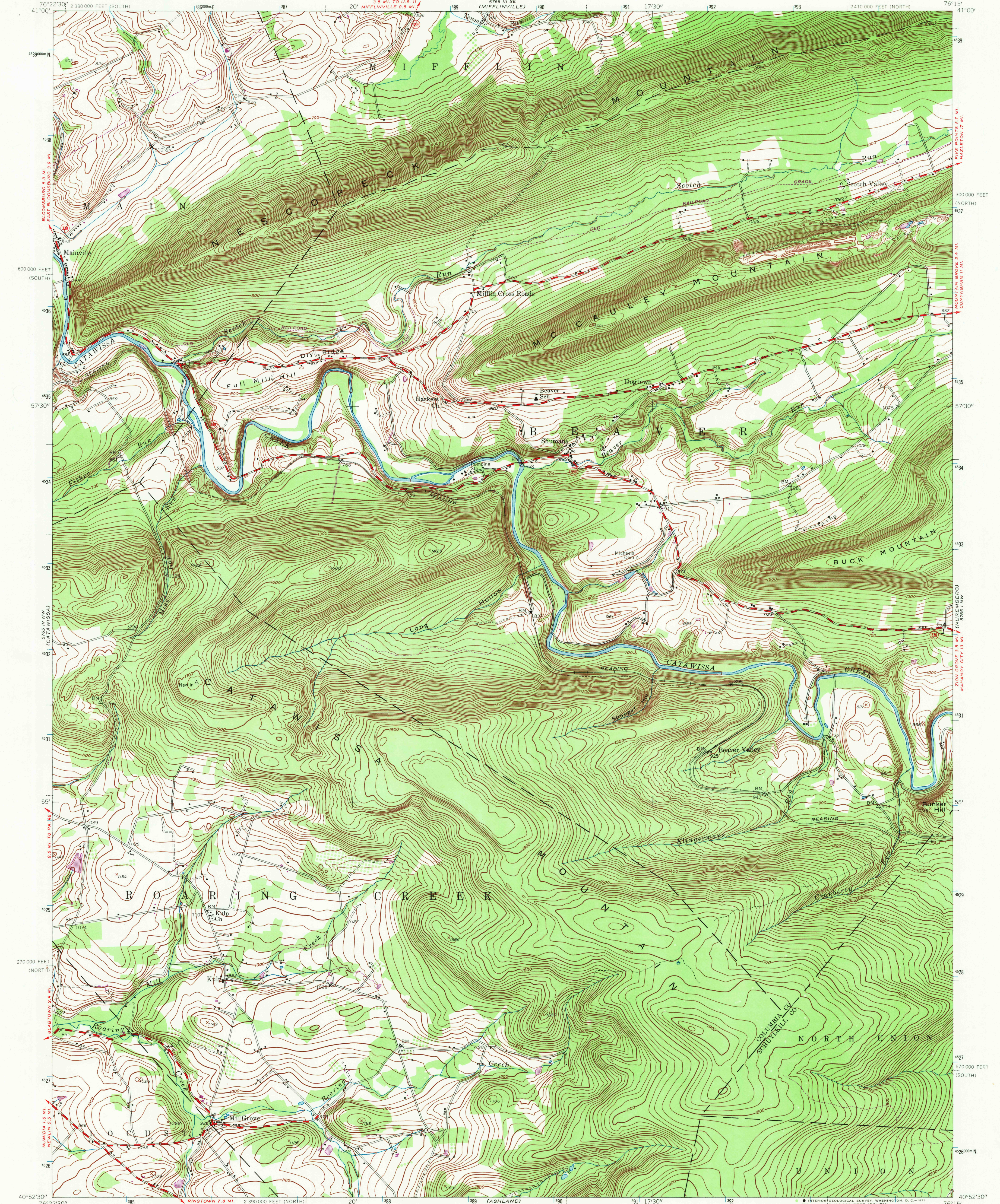


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SHUMANS QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE 1/4 CATAWISSA 15' QUADRANGLE



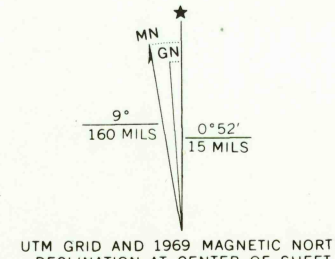
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1942. Field check 1944
Culture revised 1955

Polyconic projection. 1927 North American datum
10,000-foot grids based on Pennsylvania coordinate system,
north and south zones
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. This information not field checked



SCALE 1:24000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 10 15 20 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL



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

USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION

SHUMANS, PA.
NE 1/4 CATAWISSA 15' QUADRANGLE
N 4052.5 - W 7615.7.5

1955
PHOTO REVISSED 1969
AMS 5765 IV NE-SERIES V831

USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION
1905

AUG 2 1971