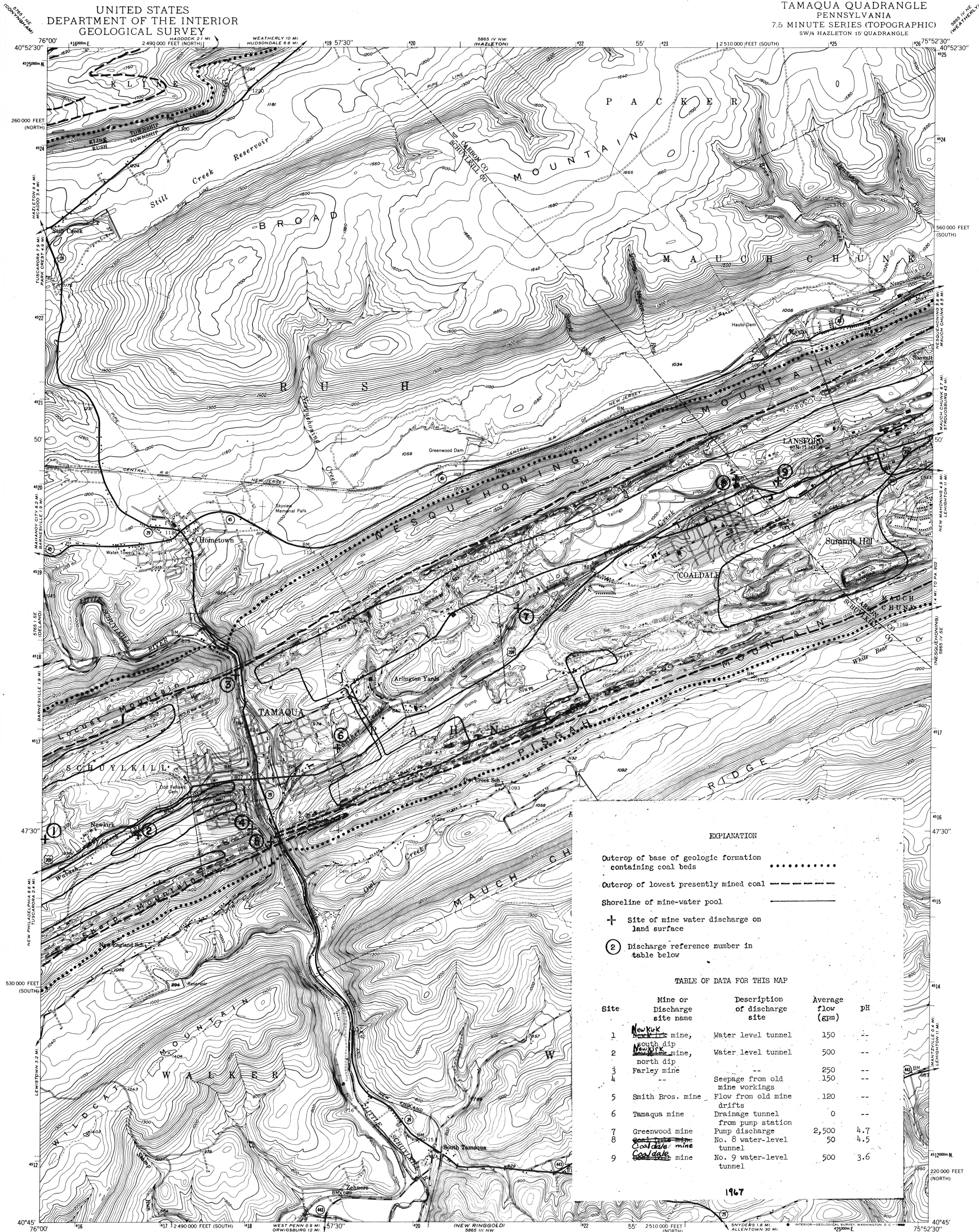


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TAMAQUA QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW 1/4 HAZLETON 15' QUADRANGLE



EXPLANATION

- Outcrop of base of geologic formation containing coal beds
Outcrop of lowest presently mined coal -----
Shoreline of mine-water pool -----
+ Site of mine water discharge on land surface
(2) Discharge reference number in table below

TABLE OF DATA FOR THIS MAP

Site	Mine or Discharge site name	Description of discharge site	Average flow (gpm)	pH
1	New Kirk mine, south dip	Water level tunnel	150	--
2	New Kirk mine, north dip	Water level tunnel	500	--
3	Farley mine	--	250	--
4	--	Seepage from old mine workings	150	--
5	Smith Bros. mine	Flow from old mine drifts	120	--
6	Tamaqua mine	Drainage tunnel from pump station	0	--
7	Greenwood mine	Pump discharge	2,500	4.7
8	Coal Dale mine	No. 8 water-level tunnel	50	4.5
9	Coal Dale mine	No. 9 water-level tunnel	500	3.6

1947

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and Pennsylvania Department of Highways

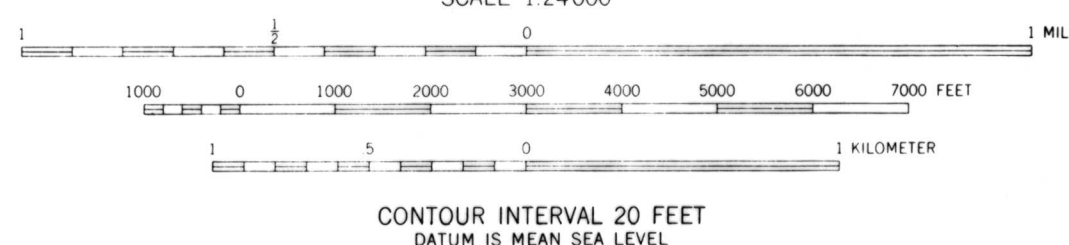
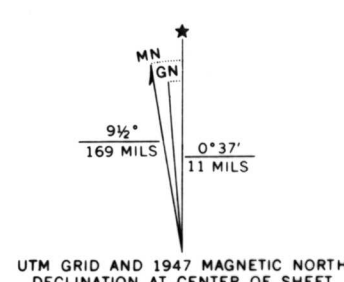
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1942. Field check 1947

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

Contours in strip mine areas compiled from 1942 photography

Red tint indicates areas in which only
landmark buildings are shown



CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

HARD SURFACE ALL WEATHER ROADS DRY WEATHER ROADS
Heavy-duty ----- LANE IS LANE Improved dirt -----
Medium-duty ----- LANE IS LANE Unimproved dirt -----
Loose-surface, graded, or narrow hard-surface -----
U. S. Route ----- State Route -----

TAMAQUA, PA.
SW 1/4 HAZLETON 15' QUADRANGLE
N4045-W7552.5/7.5
1947
AMS 5865 IV SW-SERIES V831

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST