

# SINKHOLES AND KARST RELATED FEATURES OF DAUPHIN COUNTY, PENNSYLVANIA

by W.E. Kochanov

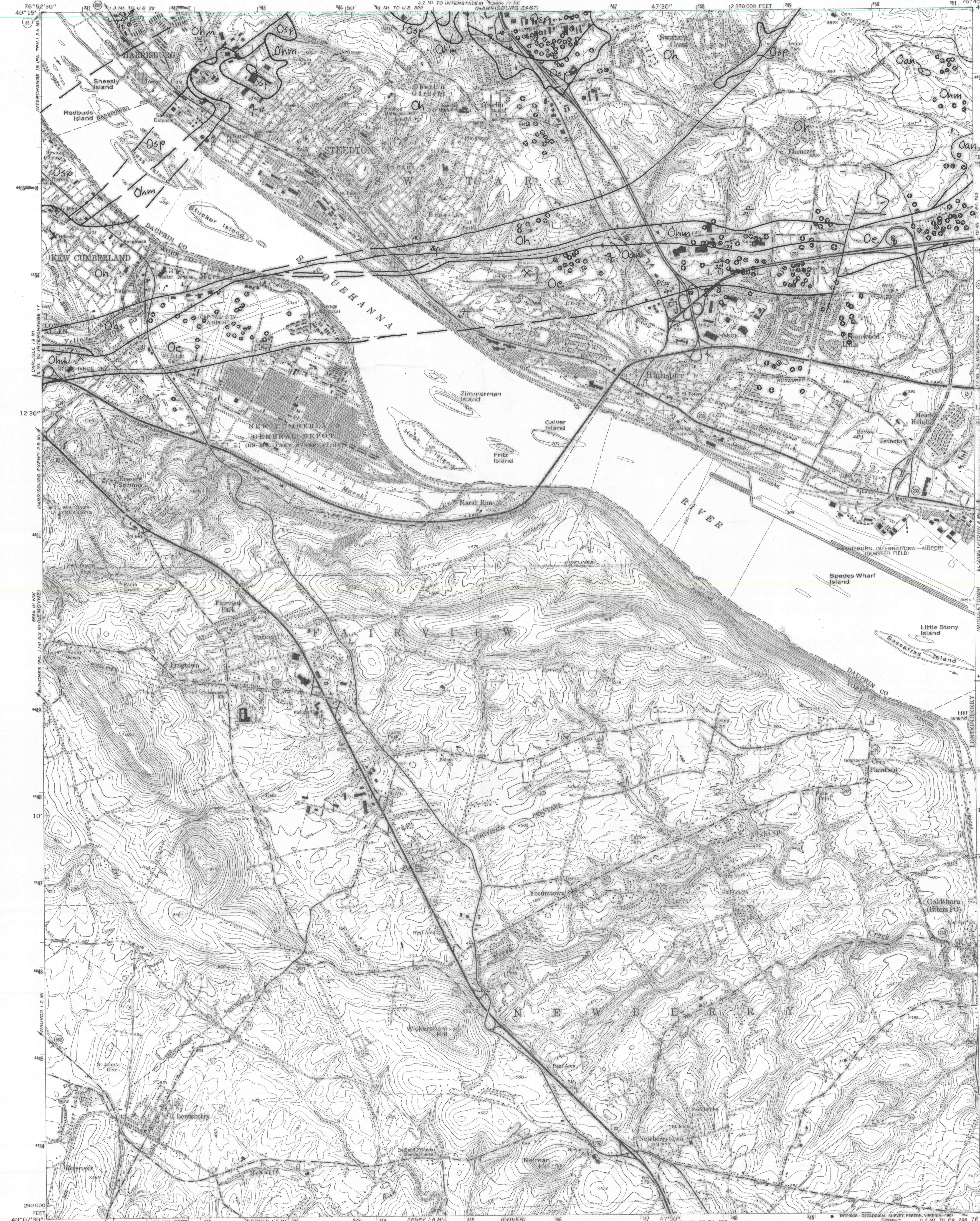
OPEN-FILE REPORT: 8901

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

1989  
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
TOPOGRAPHIC AND GEOLOGIC SURVEY

0689  
STEELTON QUADRANGLE  
PENNSYLVANIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
NE/4 NEW CUMBERLAND 15' QUADRANGLE

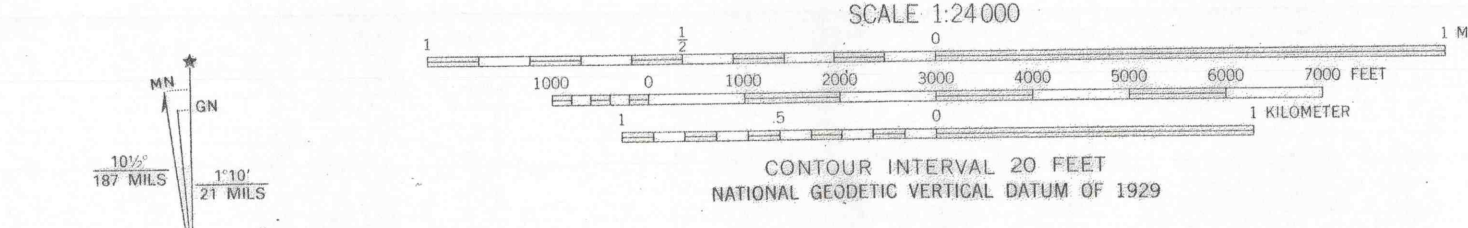
Osp  
Oam  
Och  
Oe  
36  
24  
26  
92



SYSTEM	STRATIGRAPHIC	FORMATION
ORDOVICIAN	UPPER	Chambersburg Formation Oe Hershey Formation Oh Myerstown Formation Ouy
	MIDDLE	St. Paul Group Osp Anville Formation Oan
	LOWER	Pineburg Station Formation Oos Oneta-Lanes Formation Ool
	Group	Spier Formation Oe Hickenschlag Formation Ori Stonewall Formation Oe
CARBONIFEROUS	UPPER	Richland Formation Oe
	MIDDLE	Millbach Formation Oe Schaefferstown Formation Oe Slate Creek Formation Oe
	MIDDLE	Buffalo Springs Formation Oe

SYMBOLS	
	individual sinkhole
	or sinkhole group
	closed depressions
	surface mine, iron
	surface mine limestone/dolomite
	surface mine type unknown
	cave entrance
	bedding orientation strike and dip
	approximate strike and dip
	overturned, bed strike and dip
	joint orientation strike and dip
	joint orientation strike and 90° dip
	fault contact
	formation contact

Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS and USCE  
Topography by photogrammetric methods from aerial photographs taken 1961. Field checked 1963  
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  
There may be private inholdings within the boundaries of the National or State reservations shown on this map  
Red tint indicates areas in which only landmark buildings are shown  
To place on the predicted North American Datum 1983, move the projection lines 6 meters south and 27 meters west as shown by dashed corner ticks



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

0689  
STEELTON, PA.  
NE/4 NEW CUMBERLAND 15' QUADRANGLE  
40076-B7-TF-024

1983  
PHOTO-REVISED 1987  
DMA 5884 III NE-SERIES 7831

TOPOGRAPHIC & GEOLOGIC SURVEY  
P. O. BOX 2357, EXECUTIVE HOUSE  
HARRISBURG, PA 17120  
Compiled by W.E. Kochanov  
1988

The work presented here has not been reviewed for formal publication.

Bureau of Topographic and Geologic Survey  
P.O. Box 8453, Harrisburg, PA 17105-8453