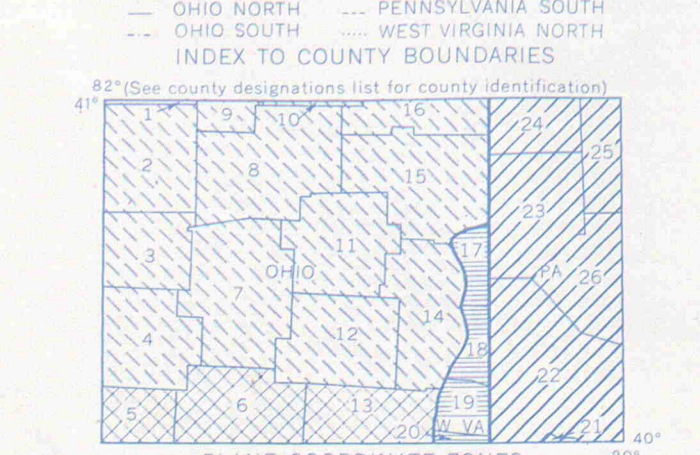


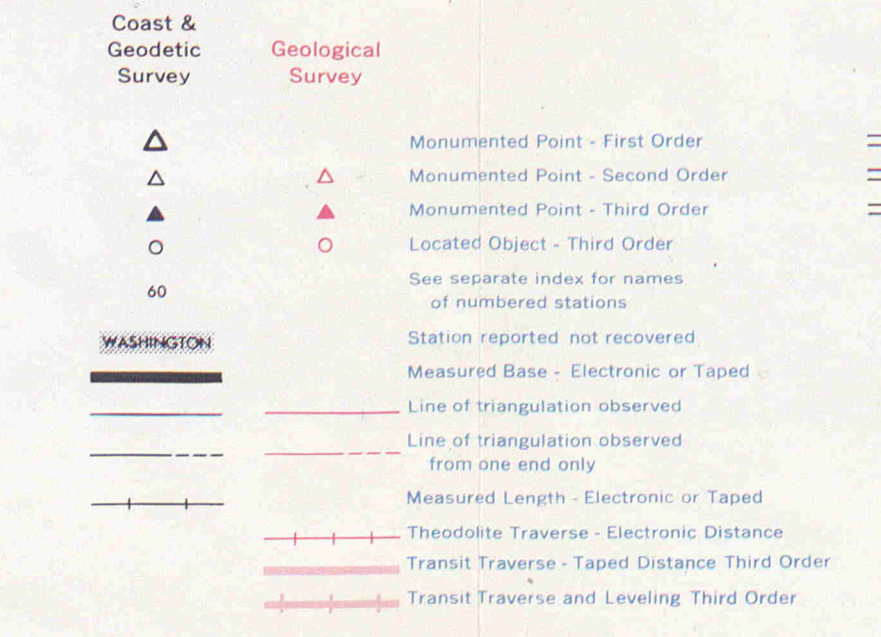
Base prepared by the Army Map Service (TRND), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1955 from United States Quadrangles, 1:24,000 and 1:62,500, U.S. Geological Survey, 1920-51; Corps of Engineers, 1:50,000 and 1:62,500, 1943-44. Horizontal and vertical control by USGS and USCE. Map field checked 1957.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
 OHIO NORTH PENNSYLVANIA SOUTH
 OHIO SOUTH WEST VIRGINIA NORTH
 INDEX TO COUNTY BOUNDARIES

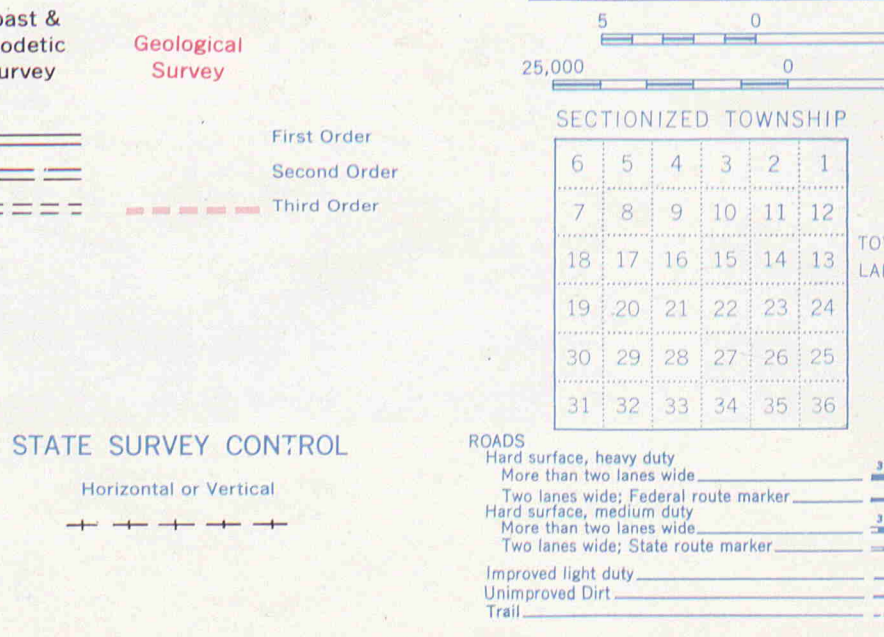


PLANE COORDINATE ZONES
 OHIO NORTH PENNSYLVANIA SOUTH
 OHIO SOUTH WEST VIRGINIA NORTH

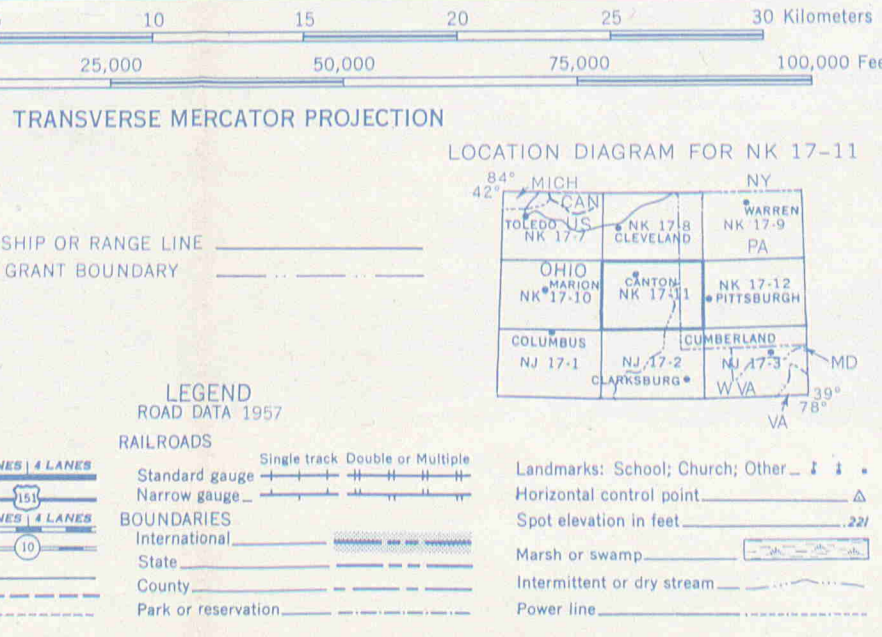
HORIZONTAL CONTROL



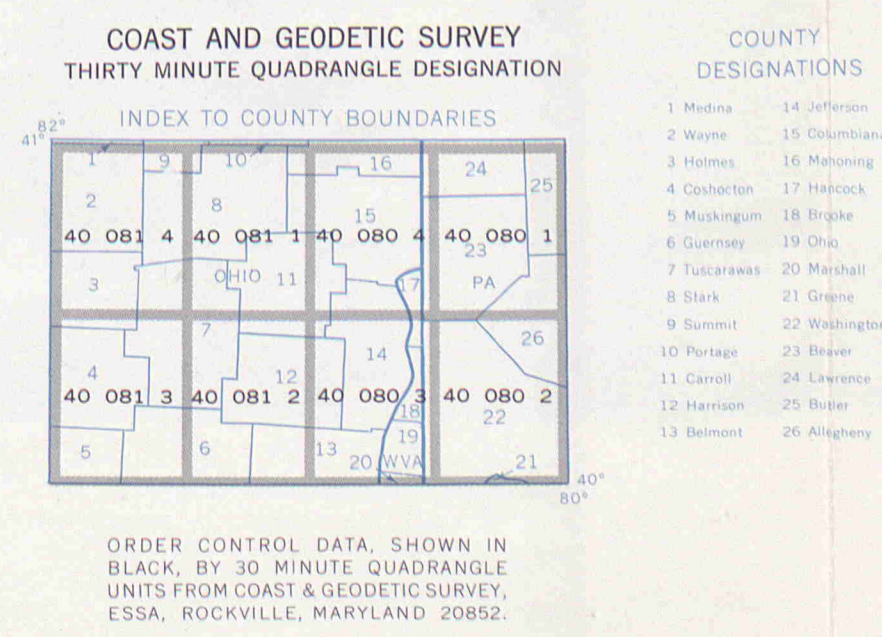
VERTICAL CONTROL



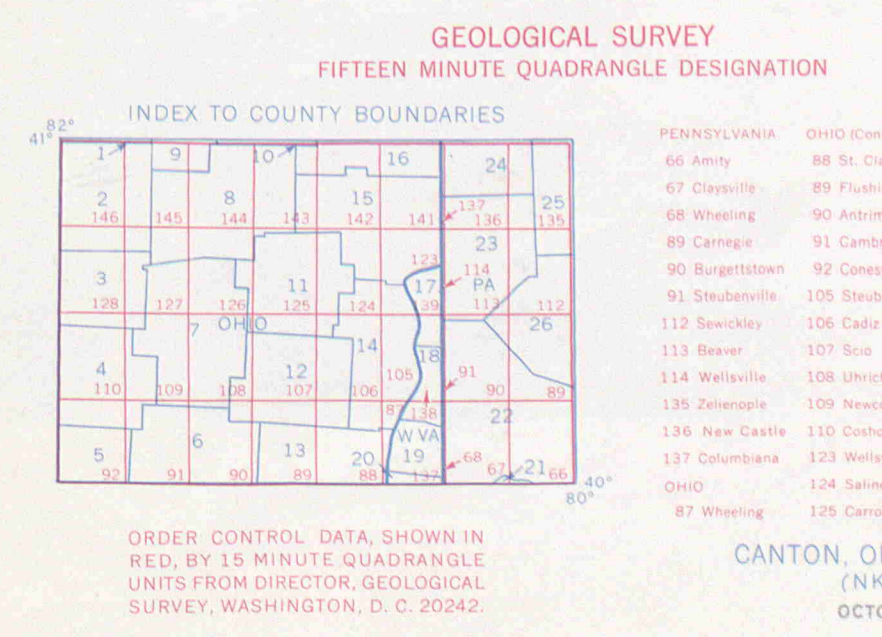
SECTIONIZED TOWNSHIP



COAST AND GEODETIC SURVEY
 THIRTY MINUTE QUADRANGLE DESIGNATION



GEOLOGICAL SURVEY
 FIFTEEN MINUTE QUADRANGLE DESIGNATION



ORDER CONTROL DATA, SHOWN IN BLACK, BY 10 MINUTE QUADRANGLE UNITS FROM COAST & GEODETIC SURVEY, ESSA, ROCKVILLE, MARYLAND 20852.

ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242.

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE : DECEMBER 1969

**INDEX TO
 NUMBERED HORIZONTAL CONTROL STATIONS**
 by the
 Coast and Geodetic Survey

PAGE-1
 QUADS 400801-2-3-4 & 400811-2-3-4
 OHIO-PA-W WA
 LATITUDE 40°00' TO 41°00'
 LONGITUDE 80°00' TO 82°00'
 DIAGRAM NK 17-11 CANTON

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1.	WEST VIEW, RADIO STATION KQV, CENTER TOWER		
2.	PITTSBURGH, RADIO STATION WWSW, HIGH TOWER		
3.	GREEN (DPW)		
3.	GREENTREE		
3.	MARK (USGS) NEAR GREENTREE		
3.	PITTSBURGH, TV STATION KDKA, MAST		
4.	CASTLE SHANNON, S PITTSBURGH WATER CO, TANK		
5.	AIRPORT BEACON, GREATER PITTSBURGH AIRPORT		
6.	GREENTREE, S PITTSBURGH WATER CO, TANK		
7.	PITTSBURGH, BELL TELEPHONE MICROWAVE RELAY TOWER		
8.	PITTSBURGH, AT&T MICROWAVE RELAY TOWER		
9.	PITTSBURGH, RADIO STATION WAMP, SW TOWER		
9.	PITTSBURGH, RADIO STATION WAMP, NE TOWER		
10.	PITTSBURGH, RADIO STATION WKJF, TOWER		
11.	CORAOPOLIS, FELICIAN SISTERS CONVENT, WATER TANK		
12.	HARMONY		
12.	HARMONY, MUNICIPAL WATER TANK		
13.	ELWOOD CITY, AT&T MICROWAVE RELAY MAST		
14.	THOMPSON		
14.	WASHINGTON, FINDLAY CLAY PRODUCTS CO, TANK		
15.	HOSPITAL		
15.	WASHINGTON HOSPITAL, DOME		
15.	WASHINGTON HOSPITAL, STACK		
15.	HOSPITAL (CITY OF WASHINGTON)		
16.	BM J 115		
16.	WASHINGTON, 8th WARD SCHOOL, CUPOLA		
17.	SCHOOL		
18.	POINT		
18.	END (USE)		
19.	PITTSBURGH, TV STATION WIIC, MAST		

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
20.	WASHINGTON, FLORAL GROUNDS, STACK		
20.	WASHINGTON, FLORAL GROUNDS, WATER TANK		
21.	CANONSBURG, RADIO STATION WCNG, S MAST		
21.	CANONSBURG, RADIO STATION WCNG, N MAST		
22.	PITTSBURGH, HILLCREST WATER TANK		
23.	CARNEGIE, CHARTIERS COUNTRY CLUB, WATER TANK		
24.	AIRWAY BN 10, COLUMBUS-PHILADELPHIA AIRWAY		
25.	AIRWAY BEACON 13, COLUMBUS-PHILADELPHIA AIRWAY		
26.	AIRWAY BEACON 12, COLUMBUS-PHILADELPHIA AIRWAY		
27.	Pa-WV _a BDY MON 26		
28.	W ALEXANDER, DON SWARTS 2-WAY RADIO, ANTENNA		
28.	W ALEXANDER, UP CHURCH, SPIRE		
29.	AIRWAY BEACON 23, WASHINGTON-CLEVELAND AIRWAY		
30.	WEST ALEXANDER (USGS)		
31.	BLACKHAWK, MUNICIPAL STANDPIPE		
32.	TRUST		
32.	WASHINGTON, COUNTY COURTHOUSE, DOME		
32.	WASHINGTON, WASHINGTON TRUST CO BLDG, LIGHT		
32.	COLLEGE		
32.	SOUTH MERIDIAN (USGS)		
33.	AIRWAY BEACON 15, COLUMBUS-PHILADELPHIA AIRWAY		
34.	WASHINGTON, FINDLEY REFACTORIES, WATER TANK		
34.	WASHINGTON, JESSUP STEEL CO, STACK		
35.	AIRWAY BEACON 14, COLUMBUS-PHILADELPHIA AIRWAY		
36.	CANTON MERIDIAN MK (USGS)		
37.	CANTON W BASE AZI MK		
38.	CANTON, OHIO BELL POLICE RELAY RADIO TOWER		
39.	MOUNT UNION		
39.	TT 25 DWP (USGS)		
40.	CANTON, FIRST NATIONAL BANK BLDG, FLAGPOLE		
40.	CANTON, OHIO POWER CO PLANT, STACK		
41.	CANTON, DROP FORGE CO, STACK		
42.	CANTON, STARK CO INFIRMARY, WATER TANK		
43.	MOUNT UNION, STANDPIPE		
44.	MOUNT UNION, RADIO STATION WFAH, TOWER		

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE : DECEMBER 1969

INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the
 Coast and Geodetic Survey

PAGE-2

QUADS 400801-2-3-4 & 400811-2-3-4
 OHIO-PA-W VA
 LATITUDE 40° 00' TO 41° 00'
 LONGITUDE 80° 00' TO 82° 00'
 DIAGRAM NK 17-11 CANTON

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.	KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
45.	CAMBRIDGE FIRST M E CHURCH, SPIRE			66.	MARTINS FERRY, WHEELING STEEL CO, N STACK		
46.	CAMBRIDGE, AMERICAN STEEL TIN PLATE CO, STACK			67.	MARTINS FERRY POWER CO, STACK		
47.	CAMBRIDGE PARK SCHOOL, FINIAL			67.	MARTINS FERRY, ST JOHNS EVANGELICAL LUTHERAN CHURCH, SPIRE		
48.	CAMBRIDGE, COUNTY COURTHOUSE, FINIAL			68.	E WHEELING, WHEELING STEEL CO, STACK		
49.	COLUMBUS-PHILADELPHIA AIRWAY, AIRWAY BN 6B (NO 6 1945)			68.	WHEELING, MARX TOY CO, WATER TANK		
50.	MASSILLON, MUNICIPAL STANDPIPE			69.	E WHEELING, CONTINENTAL CAN CO, WATER TANK		
51.	OHIO STATE POLICE, RADIO MAST			70.	E WHEELING, MUNICIPAL STANDPIPE		
52.	MOUNT EATON, FAA COMMUNICATIONS, RADIO TOWER			70.	WHEELING, ST JOSEPHS CATHEDRAL, DOME		
53.	WOOSTER MAGNETIC STATION			71.	WHEELING, RADIO STATION WHLL, MAST		
54.	CREST			72.	AIRPORT BEACON, WHEELING-OHIO COUNTY AIRPORT		
54.	WOOSTER, RADIO STATION WWST, TOWER			73.	ST CLAIRSVILLE, RADIO STATION KQC 437 MAST		
55.	WOOSTER, TIMKEN ROLLER BEARING CO, WATER TANK			74.	ST CLAIRSVILLE, BERRY STANDPIPE		
56.	WOOSTER, COUNTY COURTHOUSE, CLOCKTOWER			75.	ST CLAIRSVILLE, RADIO STATION WWVA, CENTER TOWER		
57.	APPLE CREEK, STATE HOSPITAL, STACK			76.	ST CLAIRSVILLE, RADIO STATION KAU 308, MAST		
57.	APPLE CREEK, STATE HOSPITAL, WATER TANK			76.	ST CLAIRSVILLE, DISTRICT 2 STANDPIPE		
57.	APPLE CREEK, STATE HOSPITAL, DOME			77.	ST CLAIRSVILLE, MUNICIPAL WATER TANK		
58.	FREDERICKSBURG, BELL TELEPHONE MICROWAVE RADIO RELAY TOWER			77.	ST CLAIRSVILLE, COUNTY COURTHOUSE CLOCK TOWER		
59.	DALTON, MUNICIPAL STANDPIPE			78.	AIRPORT BEACON, ALDERMAN AIRPORT, ST CLAIRSVILLE		
60.	CANTON, RADIO STATION WHBC, S TOWER			79.	NEW CASTLE, YOUTH DEVELOPMENT, WATER TANK		
60.	CANTON, RADIO STATION WHBC, N TOWER			80.	NEW CASTLE		
60.	CANTON, RADIO STATION WHBC, N CENTRAL TOWER			80.	NEW CASTLE 2		
60.	CANTON, RADIO STATION WHBC, S CENTRAL TOWER			81.	MORRISTOWN METHODIST CHURCH, SPIRE		
61.	NEWMAN, RADIO STATION WTIG, TOWER			82.	BRIDGEPORT		
62.	WHEELING, RADIO STATION WKWK, TOWER			82.	WHEELING, TV STATION WTRF, OLD TOWER		
63.	BRIDGEPORT			82.	WHEELING, TV STATION WTRF, NEW TOWER		
63.	WHEELING, TV STATION WTRF, OLD TOWER			83.	WOOSTER MUNICIPAL WATER TANK		
63.	WHEELING, TV STATION WTRF, NEW TOWER			83.	WOOSTER, NORTH MUNICIPAL WATER TANK		
64.	EBBERTS (BELMONT COUNTY SURVEY)			84.	MARSHALLVILLE, MUNICIPAL WATER TANK		
65.	BETHLEHEM, MUNICIPAL STANDPIPE						
66.	MARTINS FERRY, WHEELING STEEL CO, S STACK						