



Base prepared by the U. S. Army Topographic Command (KCI, Washington, D. C. Compiled in 1962 by photogrammetric methods and from United States quadrangles, 1:24,000, 1:25,000, 1:50,000, 1:62,500, 1935-57; USGS Chart 282, edition 1950. Planimetry revised from aerial photographs taken 1956-58. Control by USGS, USGS/USGS, New Jersey Geodetic Survey, Pennsylvania State Highway Department and New York Palisades Park Commission. Map field checked 1962.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS  
PA, NORTH  
NEW YORK EAST

INDEX TO COUNTY BOUNDARIES  
(See county descriptions list for county identification)

PLANE COORDINATE ZONES  
PA, NORTH  
NEW YORK EAST  
NEW JERSEY

**HORIZONTAL CONTROL**  
Coast & Geodetic Survey  
Geological Survey  
Monument Point - First Order  
Monument Point - Second Order  
Monument Point - Third Order  
Located Object - Third Order  
See separate index for names of numbered stations  
Station reported not recovered  
Measured Base - Electro Optical or Taped  
Line of triangulation observed  
Line of triangulation observed from one end only  
Measured Length - Electronic or Taped  
Theodolite Traverse - Electronic Distance  
Transit Traverse - Taped Distance Third Order  
Transit Traverse and Leveling Third Order

**VERTICAL CONTROL**  
Coast & Geodetic Survey  
Geological Survey  
First Order  
Second Order  
Third Order

**STATE SURVEY CONTROL**  
Horizontal or Vertical

**ROADS**  
Hard surface, heavy duty  
More than two lanes wide  
Two lanes wide; Federal route marker  
Hard surface, heavy duty  
More than two lanes wide  
Two lanes wide; State route marker  
Improved light duty  
Unimproved dirt  
Trail

**RAILROADS**  
Single track  
Double or Multiple track  
Standard gauge  
Narrow gauge  
International  
State  
County  
Part or reservation

**LANDMARKS**  
School; Church; Other... 1-4  
Horizontal control point  
Spot elevation in feet  
Marsh or swamp  
Intermittent or dry stream  
Power line

**COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION**  
INDEX TO COUNTY BOUNDARIES  
NEW YORK  
PENNSYLVANIA  
NEW YORK  
NEW YORK

**COUNTY DESIGNATIONS**  
1. Blooms  
2. Susquehanna  
3. Wagoner  
4. Lawrence  
5. Calhoun  
6. Monroe  
7. Lacharria  
8. Wayne  
9. Delaware  
10. Sullivan  
11. Pike  
12. Warren  
13. Sussex  
14. Sturges  
15. Ulster  
16. Passaic  
17. Bergen  
18. Hudson  
19. Essex

**GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION**  
INDEX TO COUNTY BOUNDARIES  
NEW YORK  
PENNSYLVANIA  
NEW YORK  
NEW YORK

**ORDER CONTROL DATA, SHOWN IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM GEOLOGICAL DIVISION, NOAA, ROCKVILLE, MARYLAND, 20852.**

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

USCMM - NOAA - DC - JUNE 1973 - A5681  
SCRANTON, PA., N. Y., N. J.  
(NK 18-B)  
OCTOBER 1972



U. S. DEPT. OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON, D. C.  
 FORM - 6471 (1-63)  
 DATE JULY 1973

# INDEX TO NUMBERED HORIZONTAL CONTROL STATIONS

by the  
 Coast and Geodetic Survey

Page 1  
 QUADS 410741-2-3-4 & 410751-2-3-4  
 NJ-NY-PA  
 LATITUDE 41°00' TO 42°00'  
 LONGITUDE 74°00' TO 76°00'  
 DIAGRAM NK 18-8 SCRANTON

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
1	TALLMAN		
1	MONSEY WESTERN UNION MICROWAVE SE TOWER		
1	MONSEY MUNICIPAL STANDPIPE		
2	SLINN		
2	SPRING VALLEY MUNICIPAL STANDPIPE		
3	BEAR		
3	BEAR MTN		
4	PEARL RIVER LEDERLE STACK		
5	PEARL RIVER LEDERLE WATER TANK		
6	MONROE RADIO STATION KEL 99 TOWER		
7	WARWICK CALVARY BAPTIST CHURCH DOME		
8	WARWICK NY STATE TRAINING SCHOOL FOR BOYS TANK		
9	WARWICK NY STATE TRAINING SCHOOL FOR BOYS STACK		
10	GOSHEN CATHOLIC CHURCH SPIRE		
10	GOSHEN CENTRAL SCHOOL DOME		
10	GOSHEN PRESBYTERIAN CHURCH SPIRE		
11	NEW HAMPTON NY CITY REFORMATORY STACK		
12	RIDGEBURY PRESBYTERIAN CHURCH CUPOLA		
13	SLATE HILL OLD SCHOOL BAPTIST MEETING HOUSE SPIRE		
14	MIDDLETOWN CONGREGATIONAL CHURCH SPIRE		
14	MIDDLETOWN GRACE CHURCH SPIRE		
14	MIDDLETOWN WB & H BLDG STACK		
15	MIDDLETOWN ELIZABETH A HORTON MEMORIAL HOSPITAL STACK		
16	MIDDLETOWN HIGH SCHOOL N SPIRE		
16	MIDDLETOWN HIGH SCHOOL S SPIRE		
16	MIDDLETOWN ST JOHSEPH CATHOLIC CHURCH SPIRE		
17	MIDDLETOWN STATE HOSPITAL STANDPIPE		
18	PINE ISLAND ST STANISLAUS CATHOLIC CHURCH CROSS		
19	CARR		
19	JOHNSON BORDENS MILK CO STACK		
20	OTISVILLE W2KW N RADIO MAST		
20	OTISVILLE W2KW S RADIO MAST		
21	OTISVILLE NEW YORK CITY SANITARIUM STACK		
22	HIGH POINT		
22	HIGH PT MONUMENT		
23	NEWTON PRESBYTERIAN CHURCH SPIRE		
24	EAST WEST JERSEY LINE (BLUE MT)		
25	FRANKLIN FRANKLIN IRON CO FURNACE IRON STACK		
26	HAMBURGH BAPTIST CHURCH SPIRE		
27	DECKERTOWN PRESBYTERIAN CHURCH CUPOLA		
28	CENTREVILLE		

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
29	MATAMORAS UNIDENTIFIED AIRWAY BEACON		
29	MATAMORAS ST JOSEPHS CATHOLIC CHURCH SPIRE		
30	PORT JERVIS GRACE EPISCOPAL CHURCH SPIRE		
30	PORT JERVIS CHURCH STREET GRAMMER SCHOOL DOME		
30	PORT JERVIS FIRST PRESBYTERIAN CHURCH DOME		
30	PORT JERVIS HIGH SCHOOL DOME		
30	PORT JERVIS REFORMED DUTCH CHURCH SPIRE		
31	TRI STATES		
31	LAUREL		
32	MONUMENT 895		
32	MONUMENT 895 (NJGS) 2		
33	MATCH		
33	ROCKLAND ORANGE COUNTY LINE NE MARK		
33	ROCKLAND ORANGE COUNTY LINE SW MARK		
34	WESLEY		
34	WESLEY CHAPEL (USGS)		
35	WALDEN		
35	WALDEN FIRST REFORMEND CHURCH DOME		
35	WALDEN GLADSTONE ST EAST MUNICIPAL STANDPIPE		
36	MONTECELLO MUNICIPAL LARGER STANDPIPE		
36	MONTECELLO MUNICIPAL SMALLER STANDPIPE		
37	PINEBUSH MUNICIPAL STANDPIPE		
37	PINEBUSH BORDEN TANK		
38	WALDEN WAITE ST LARGE MUNICIPAL STANDPIPE		
38	WALDEN WAITE ST SMALL MUNICIPAL STANDPIPE		
39	WALLKILL BORDEN ESATE STANDPIPE		
40	WALLKILL ROUGH FEET CO TANK		
41	WALLKILL PRISON STACK		
42	GESSNER		
43	JACKIE		
44	CLINTONDALE FRUIT GROWERS TANK		
45	NEW PALTZ CENTRAL SCHOOL DOME		
45	NEW PALTZ STATE NORMAL SCHOOL CLOCK TOWER		
46	LAKE MINNEWASKA WILDMERE HOUSE TANK		
47	LAKE MINNEWASKA CLIFF HOUSE TANK		
47	LAKE MINNEWASKA CLIFF HOUSE STANDPIPE		
48	KINSTON GALLIS HILL LOT		
49	HAWLEYTON AIRWAY BEACON		
50	CARR		
50	CARR AZIMUTH MARK		

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

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

Page 2  
 QUADS 410741-2-3-4 & 410751-2-3-4  
 NJ-NY-PA  
 LATITUDE 41°00' TO 42°00'  
 LONGITUDE 74°00' TO 76°00'  
 DIAGRAM NK 18-8 SCRANTON

KEY NO.	STATION NAME	QUAD. NO.	STATION NO.
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KEY NO.	STATION NAME	QUAD NO.	STATION NO.
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50 NY-PA BOUNDARY MARK  
 51 CAMELBACK (USGS)  
 51 CAMELBACK MTN STATE FIRE TOWER 83  
 52 GOULDSBORO AMERICAN TEL & TEL MICROWAVE TOWER  
 53 MT POCONO SKYLINE INN STACK  
  
 54 RESERVOIR  
 54 TOBYHANNA TROSPHERIC SCATTER SITE, W MAST  
 54 TOBYHANNA SIGNAL DEPOT RESERVOIR POLE  
 55 CAMELBACK MTN FAA MICROWAVE MAST  
 56 HOME  
  
 56 WILKES BARRE VETERANS HOSPITAL TANK  
 57 MINOOKA  
 57 SCRANTON  
 58 SCRUB OAK  
 58 SCRUB OAK LOT  
  
 59 SCRANTON ABANDONED RADIO MAST  
 59 AIRPORT BEACON WILKES BARRE SCRANTON AIRPORT  
 59 WILKES BARRE SCRANTON AIRPORT CONTROL TOWER  
 60 AIRWAY BEACON 19,5 MILES S OF SCRANTON  
 61 POCONO MAINTENANCE & BARRACKS RADIO TOWER  
  
 62 PIMPLE HILL USE RELAY MAST  
 62 PIMPLE HILL  
 62 PIMPLE HILL LOT (POHOPOCA FIRE TOWER) OLD  
 TOPOGRAPHIC STATION  
 62 PIMPLE TREE  
 63 PENOBSCOT  
  
 63 PENOBSCOT 2  
 63 PENOBSCOT LOT  
 63 PENOBSCOT PILE  
 63 WILKES BARRE TV STATION WNEP MAST  
 64 PANTHER  
  
 64 PANTHER 2  
 64 PINE HILL LOT  
 65 BALD 2  
 65 AIRWAY BEACON 18B 4 MILES W OF SCRANTON  
 65 SCRANTON RADIO STATION WOEI-FM CENTER MAST  
  
 65 SCRANTON TV STATION WDAU S MAST  
 66 ELK  
 66 ELK 2  
 66 ELK MTN LOT  
 66 TTS 24 A (USGS)

66 ELK MTN TENNESSEE GAS CO MAST  
 66 ELK MTN RADIO COMMUNICATIONS E MAST  
 67 SIDE  
 67 NEW YORK PENNSYLVANIA BDY MK 20 DM  
 68 OSTER  
  
 68 BUFFALO NEW YORK AIRWAY BEACON NO 17  
 68 TUNKHANNOCK PENELEC ANTENNA POLE  
 69 DALLAS  
 69 HARVEY FIRE TOWER  
 70 FLEETVILLE EAST OF WHITE WATER TANK  
  
 71 CLARK SUMMIT BLACK WATER TANK 1 1/4 MILES SOUTHWEST  
 72 GLEN SUMMIT MR LEE'S HOUSE OBSERVATION TOWER WEATHER  
 VANE  
 73 WILKES BARRE  
 73 WILKES BARRE MUSKIN MFG CO WATER TANK  
 74 WOODSIDE BREAKER  
  
 74 WOODSIDE CATHOLIC CHURCH SPIRE  
 75 FLEETVILLE BAPTIST CHURCH SPIRE  
 76 TOBYHANNA PUMPING STATION NO 1 CHECKERED WATER TANK  
 77 TOBYHANNA PUMPING STATION NO 2 BLACK WATER TANK  
 78 ADMINISTRATION