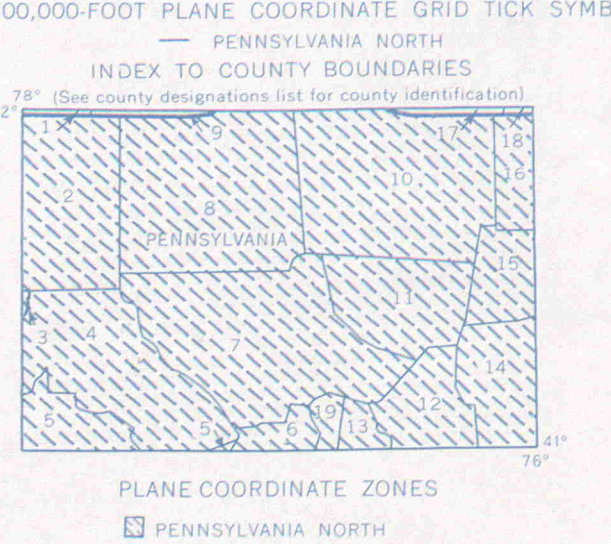


Base prepared by the U. S. Army Topographic Command (K), Washington, D. C. Compiled in 1961 by photogrammetric methods and from United States quadrangles 1:24,000, 1:25,000, 1:31,000, 1:50,000, 1:62,500, 1:93,000. Planimetry revised from aerial photographs taken 1956-58. Horizontal and vertical control by USGS and USCGS. Map first checked 1962. Limited revision by U. S. Geological Survey 1965.



**HORIZONTAL CONTROL**

- Monumented Point - First Order (Black triangle)
- Monumented Point - Second Order (Red triangle)
- Monumented Point - Third Order (Black circle)
- Located Object - Third Order (Red circle)
- See separate index for names of numbered stations
- Station reported not recovered (Black circle with slash)
- Measured Base - Electronic or Taped (Black line)
- Line of triangulation observed (Red line)
- Line of triangulation observed from one end only (Red line with slash)
- Measured Lengths - Electronic or Taped (Black line with slash)
- Theodolite Traverse - Electronic Distance (Red line with slash)
- Transit Traverse - Taped Distance Third Order (Red line with slash)
- Transit Traverse and Leveling Third Order (Red line with slash)

**VERTICAL CONTROL**

- First Order (Black line)
- Second Order (Red line)
- Third Order (Black line)

**STATE SURVEY CONTROL**

- Horizontal or Vertical (Black line)

**ROADS**

- Hard surface, heavy duty (Black line)
- Two lanes wide; Federal route marker (Black line)
- Hard surface, medium duty (Black line)
- More than two lanes wide (Black line)
- Two lanes wide; State route marker (Black line)
- Improved light duty (Black line)
- Unimproved dirt (Black line)
- Trail (Black line)

**RAILROADS**

- Standard Gauge (Black line)
- Narrow Gauge (Black line)
- Interlocking (Black line)
- State (Black line)
- County (Black line)
- Park or reservation (Black line)

**LANDMARKS: School; Church; Other**

- Horizontal control point (Black triangle)
- Spot elevation in feet (Black circle)
- Marsh or swamp (Black wavy line)
- Intermittent or dry stream (Black line)
- Power line (Black line)

Scale 1:250,000

5 10 15 20 Statute Miles

5 10 15 20 Kilometers

25,000 50,000 75,000 100,000 Feet

**TRANSVERSE MERCATOR PROJECTION**

LOCATION DIAGRAM FOR NK 18-7

**COAST AND GEODETIC SURVEY**

THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

41 077 4	41 077 1	41 076 4	41 076 1
41 077 3	41 077 2	41 076 3	41 076 2

**COUNTY DESIGNATIONS**

1	Allegany	10	Broome
2	Cattaraugus	11	Chemung
3	Chautauque	12	Clinton
4	Columbia	13	Franklin
5	Delaware	14	Greene
6	DuBois	15	Hamilton
7	Elk	16	Lawrence
8	Fayette	17	Seneca
9	Jefferson	18	Warren
10	Monroe	19	Wayne
11	Montgomery	20	Westmoreland
12	Nichols	21	York
13	Northampton	22	
14	Northumberland		
15	Perry		
16	Schenley		
17	Snyder		
18	Tioga		
19	Union		
20	Washington		
21	Westchester		
22	Woodbury		

**GEOLOGICAL SURVEY**

FIFTEEN MINUTE QUADRANGLE DESIGNATION

66A	65A	64A	63A	62A	61A	60A	59A
221	220	219	218	217	216	215	
199	198	197	196	195	194	193	192
175	174	173	172	171	170	169	168
149	148	147	146	145	144	143	

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

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



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

KEY NO.	STATION NAME	QUAD NO.	STATION NO.	KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1	BALD	410763	1023	24	BOUNDARY MONUMENT NO 104 NY-PA	410761	1034
1	BALD EAGLE MTN DEPT OF F W CONTROL TOWER	117653	1027	25	BOUNDARY MONUMENT NO 45 NY-PA	410761	1033
1	BALD EAGLE MTN SHAFFERS PATH LOT	410763	1026	25	SYLVANIA	410763	1014
2	BLOOMSBURG RADIO STATION WCNR TOWER	410762	1016	26	MONTGOMERSVILLE SYLVANIA COMPANY WATER TANK	410763	1016
3	FAN	410763	1030	27	KELLOGS	410761	1021
3	FAN AZIMUTH MARK	410763	1031	27	KELLOGS BRADFORD COUNTY RADIO MAST	410761	1022
3	FAN MARKER HUGHESVILLE	410763	1032	27	KELLOGS LOOKOJT TOWER	410761	1023
3	RBN HUGHESVILLE HVL	410763	1033	28	LOTT ET USGS	410763	1097
4	APT BEACON WILLIAMSPORT MUNICIPAL APT	L6	0	28	EAGLES MERE AT&T MICROWAVE TOWER	410763	1090
4	MON	410763	1018	29	AVIS	410772	1072
4	MON RM 3	410763	1019	29	AVIS RM 3	410772	1074
4	MONTGOMERSVILLE W L MUNI AP DBST LTD POLE	540410763	1020	29	AVIS CHARLES TV CABLE CO MAST	410772	1073
5	AIRWAY BEACON 14 3 MILES NNE OF MUNCY	410763	1025	30	LINDEN	410772	1051
5	RNG WILLIAMSPORT RADIO IPT	410763	1054	30	WILLIAMSPORT GLYCO PRODUCTS CO STACK	410772	1022
6	BALD EAGLE MTN AT&T MICROWAVE TOWER	410763	1024	31	PIPER	410772	1061
6	BALD EAGLE MTN RADIO STA WRK FM TOWER	410763	1029	31	AIRPORT BEACON LOCK HAVEN AIRPORT	410772	1062
7	BALD EAGLE MTN RADIO STA WLYC AM FM MAST	410763	1028	32	WILLIAMSPORT	410772	1049
8	EAGLES MERE MUNICIPAL STANDPIPE	410763	1089	32	UNIDENTIFIED MARK NEAR WILLIAMSPORT	410772	1050
9	HUGHESVILLE L C GEE COMMERCIAL ANTENNA	410763	1042	33	LOCK HAVEN RADIO STA WPBZ MAST	410772	1064
10	HUGHESVILLE HINZMANN AND WALDMANN TANK	410763	1043	34	LOCK HAVEN NY AND PA PAPER CO N STACK	410772	1014
11	MONTGOMERSVILLE WARREN TEXTILE MILL TANK	410763	1021	34	<del>LOCK HAVEN NY AND PA PAPER CO S STACK</del>	410772	1015
12	MONTGOMERSVILLE SYLVANIA PRODUCTS STACK	410763	1015	34	<del>LOCK HAVEN NY AND PA PAPER CO TANK</del>	410772	1012
13	MUNCY MFG CO INC TANK	410763	1038	35	LOCK HAVEN PIPER AIRCRAFT CORP TANK	410772	1063
13	MUNCY SCHOOL CUPOLA	117643	1039	36	RAUCHTOWN LOOKOUT TOWER	410772	1009
13	MUNCY SPROUT WALDRON CO INC TANK	410763	1036	37	SOUTH WILLIAMSPORT RADIO STA WMPT MAST	410772	1029
14	MUNCY INDUSTRIAL HOME FOR WOMEN CUPOLA	410763	1037	37	WILLIAMSPORT RAYOVAC TANK	410772	1026
15	MUNCY EMMANUEL CHURCH BELFRY	410763	1040	38	WILLIAMSPORT ARMOUR LEATHER CO STACK	410772	1031
16	WATSONTOWN CABINET DIV PHILCO CORP STACK	410763	1079	38	NEWBERRY SWEETS STEEL CO STACK	410772	1048
16	WATSONTOWN FIRST PRESBYTERIAN CHURCH SPIRE	410763	1080	39	WILLIAMSPORT HOSPITAL STACK	410772	1023
17	WILLIAMSPORT C A REED CO TANK	410763	1050	40	WILLIAMSPORT PINE ST METH CHURCH SPIRE	410772	1024
18	WILLIAMSPORT ST BONIFACE CHURCH CROSS	410763	1051	41	WILLIAMSPORT RADIO STATION WRK MAST	410772	1025
19	WILLIAMSPORT UHF VHF REMOTE SITE E TOWER	410763	1052	42	WILLIAMSPORT STANDPIPE	410772	1028
19	WILLIAMSPORT UHF VHF REMOTE SITE W TOWER	410763	1053	43	WILLIAMSPORT RISHEL FURNITURE STACK	410772	1027
20	WILLIAMSPORT SYLVANIA PRODUCTS INC TANK	410763	1056	44	WILLIAMSPORT TRINITY EPISCOPAL CH SPIRE	410772	1047
21	WILLIAMSPORT WOOD PARTS INC STACK	410763	1055	45	KNOXVILLE HOLY ROLLER CHURCH SPIRE	410771	1025
22	MEHOOPANY	410761	1003	46	TAMARACK	410773	1021
22	MEHOOPANY AT&T MICROWAVE MAST	410761	1005	46	TAMARACK RM 3	410773	1022
22	MEHOOPANY RM 2 MEHOOPANY FIRE TOWER	410761	1004	46	TAMARACK DEPT OF FOREST AND WATERS RAD MAST	410773	1025
23	STOLE	410761		46	TAMARACK FIRE TOWER X-19	410773	1023
23	BOUNDARY MONUMENT NY-PA NEAR STOLE	410761	1032	47	REDWATER	410774	1016

U. S. DEPARTMENT OF COMMERCE  
 ENVIRONMENTAL SCIENCE SERVICES ADMIN.  
 COAST AND GEODETIC SURVEY  
 ROCKVILLE, MARYLAND 20852  
 FORM - 6471 (2/68)  
 DATE JULY 1973

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 by the  
*Coast and Geodetic Survey*

PAGE 2  
 QUADS 410761-2-3-4 & 410771-2-3-4  
 PA  
 LATITUDE 41° 00' TO 42° 00'  
 LONGITUDE 76° 00' TO 78° 00'  
 DIAGRAM NK 18-7 WILLIAMSPORT

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
47	BOUNDARY MONUMENT NY PA NEAR REDWATER	410774	1017
48	WHARTON MICROWAVE KDN 704 TOWER	410774	1028
49	WELLSBORO COMMUNITY POLICE RELAY MAST	410771	1041
50	WELLSBORO CABLE TV CO MAST	410771	1040
51	BLOSS	410771	1004
51	BLOSS CABLE TV CO MAST	410771	1006
51	BLOSS LOT	410771	1005
51	BLOSS PENNA GAME COMM MAST	410771	1007
52	LOCK HAVEN AM ANILINE PRODUCTS CO TANK	410772	1066
53	MILTON AMERICAN HOME FOODS INC STACK	410763	1072
53	MILTON AMERICAN HOME FOODS INC TANK	410763	1073
54	MILTON CONTINENTAL CAN CO INC TANK	410763	1074
55	MILTON FIRST METHODIST CHURCH SPIRE	410763	1075
56	PIMPLE HILL USE RELAY MAST	410751	1059

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
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