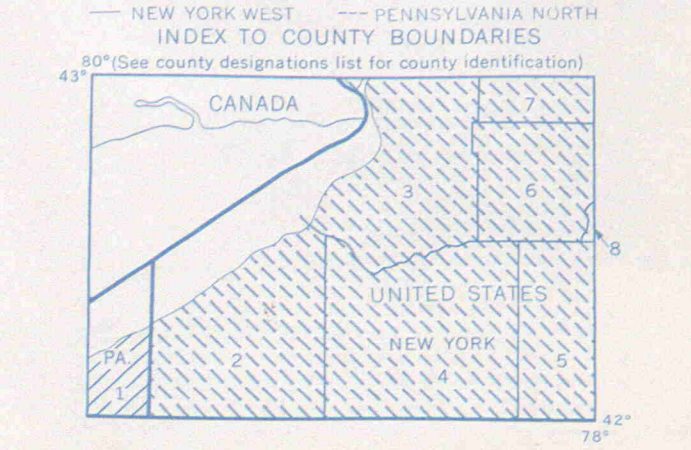


Base prepared by the U. S. Army Topographic Command (KOGE), Washington, D.C. Compiled in 1961 by photogrammetric methods from United States quadrangles, 1:24,000, 1:25,000, 1:42,500, 1:50,000, 30' x 30' 1952, 30' x 30' 1953, Army Survey Establishment, USGS Charts 3, 31, 32, 33, 1953-57. Planimetry revised from aerial photographs taken 1956-58. Control by USCGS, USGS, USIC, International Boundary Commission and Buffalo-Rochester Photogrammetric Project. Map filed checked 1962.

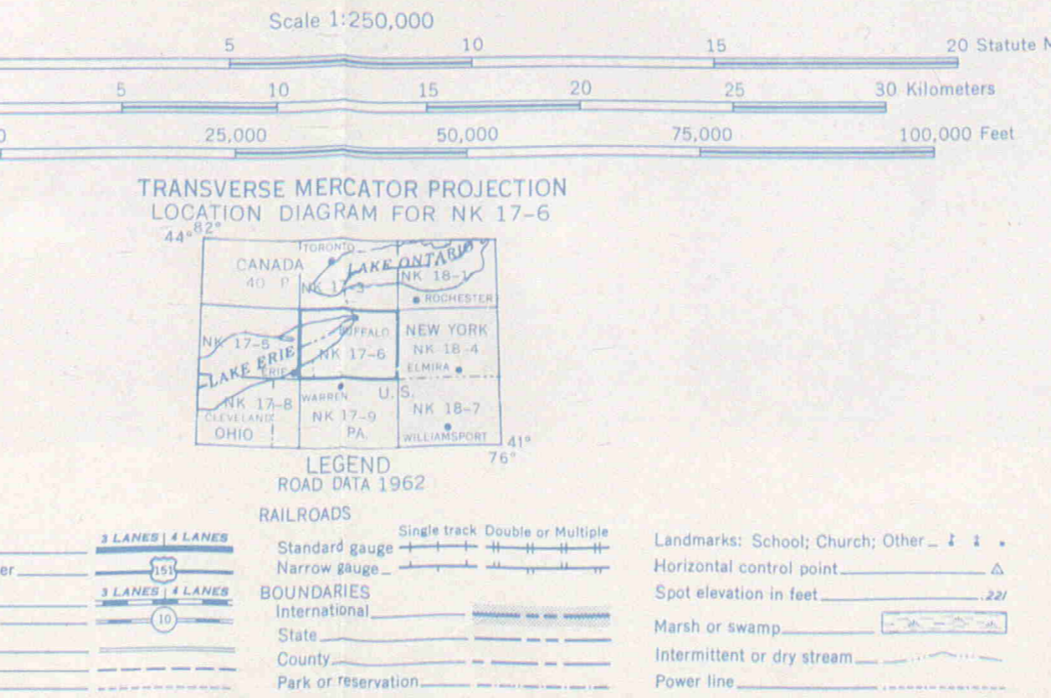
100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS
NEW YORK WEST PENNSYLVANIA NORTH
INDEX TO COUNTY BOUNDARIES
(See county designations list for county identification)



PLANE COORDINATE ZONES
NEW YORK WEST PENNSYLVANIA NORTH

- HORIZONTAL CONTROL**
- | | | | |
|-------------------------|-------------------|----------------|---|
| Coast & Geodetic Survey | Geological Survey | Other Agencies | Monumented Point - First Order |
| ▲ | ▲ | ▲ | Monumented Point - Second Order |
| ● | ● | ● | Monumented 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 |
| | | | Thematic Traverse - Electronic Distance |
| | | | Transit Traverse - Taped Distance Third Order |
| | | | Transit Traverse and Levelling Third Order |

- VERTICAL CONTROL**
- | | | | |
|-------------------------|-------------------|----------------|--------------|
| Coast & Geodetic Survey | Geological Survey | Other Agencies | First Order |
| ——— | ——— | ——— | Second Order |
| ——— | ——— | ——— | Third Order |
- STATE SURVEY CONTROL**
- Horizontal or Vertical
- CODE OF OTHER AGENCIES**
- Geodetic Survey of Canada
Requests for geodetic control data depicted herein, in black, should be addressed to Dominion Geodesist, Geodetic Survey of Canada, Ottawa 4, Ontario, Canada
- | | | | |
|-------------------------------------|---------------------------------|---|----------------------------|
| ROADS | RAILROADS | BOUNDARIES | LANDMARKS |
| Hard surface, heavy duty | Single track Double or Multiple | Standard gauge | School, Church, Other... |
| More than two lanes wide | Narrow gauge | International | Spot elevation in feet |
| Two lanes wide Federal route marker | State | Department of Mines and Technical Surveys | Marsh or swamp |
| Hard surface, medium duty | County | Department of Geology and Topography | Intermittent or dry stream |
| More than two lanes wide | Park or Reservation | | Power line |
| Two lanes wide State route marker | | | |
| Improved light duty | | | |
| Unimproved dirt | | | |
| Trail | | | |



COAST AND GEODETIC SURVEY THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES	
CANADA	7
42 078 1	42 078 4
42 078 3	42 078 2
NEW YORK	
UNITED STATES	
4	5
78°00'	

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

GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES	
CANADA	7
147	146
145	144
NEW YORK	
UNITED STATES	
3	2
1	4
78°00'	

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

NEW YORK (cont.)	100	Woodford	
61	Barnes	120	Portage
62	Osceola	121	Albion
63	Seneca	122	Springville
64	Hamilton	123	Elliot
65	Cattaraugus	124	Water Creek
66	Warren	125	Batavia
67	Genesee	126	North East
68	Livingston	127	Alicia
69	Ontario	128	Diaper
70	Madison	129	Buffalo
71	Franklin	130	Pennsylvania
72	Chautauque	131	Belmont
73	Delaware	132	Oshtemo
74	Albany	133	East
75	Niagara	134	North East
76	Broome	135	East
77	Seneca	136	North East
78	Hamilton	137	North East
79	Warren	138	North East
80	Genesee	139	North East
81	Livingston	140	North East
82	Ontario	141	North East
83	Madison	142	North East
84	Franklin	143	North East
85	Chautauque	144	North East
86	Delaware	145	North East
87	Albany	146	North East
88	Niagara	147	North East
89	Broome	148	North East
90	Seneca	149	North East
91	Hamilton	150	North East

U. S. DEPT. OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON, D. C.
 FORM - 6471 (1-63)
 DATE MAY 1972

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

PAGE 1

QUADS 420781-2-3-4 & 420791-2-3-4
 NY-PA
 LATITUDE 42°00' TO 43°00'
 LONGITUDE 78°00' TO 80°00'
 DIAGRAM NK 17-6 BUFFALO

KEY NO.	STATION NAME	QUAD NO.	STATION NO.	KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1	AIRPORT BEACON OLEAN MUNICIPAL AIRPORT						
1	ISCHUA						
1	ET 2 (USGS)						
2	HARTZFELT MTN LOT						
2	HARTZFELT MTN MAST						
2	HARTZFELT						
2	ROCK CITY SHOEMAKER CO STANDPIPE						
3	COLDEN RADIO STATION WBEN FM & TV MAST						
4	BUFFALO W BASE (USLS)						
5	BUFFALO PLAINS (USLS)						
6	BUFFALO NEW YORK AIRWAY BEACON 4A						
7	KNAPP						
7	KNAPP CREEK AT&T MICROWAVE RELAY TOWER						