

Base prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1963 by photogrammetric methods and from North Dakota, 1:125,000, USGS, Bismarck 1959; North Dakota, 1:62,500, USGS, 1938-61. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS, USCGS, CE and IGS. Photography field annotated 1964.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

— N. DAKOTA SOUTH

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



PLANE COORDINATE ZONES  
— N. DAKOTA SOUTH

HORIZONTAL CONTROL

- ▲ Monumented Point - First Order
- △ Monumented Point - Second Order
- ▲ Monumented Point - Third Order
- Located Object - Third Order
- 60 See separate index for names of numbered stations
- Station reported not recovered
- Measured Base - Electronic 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 Levelling Third Order

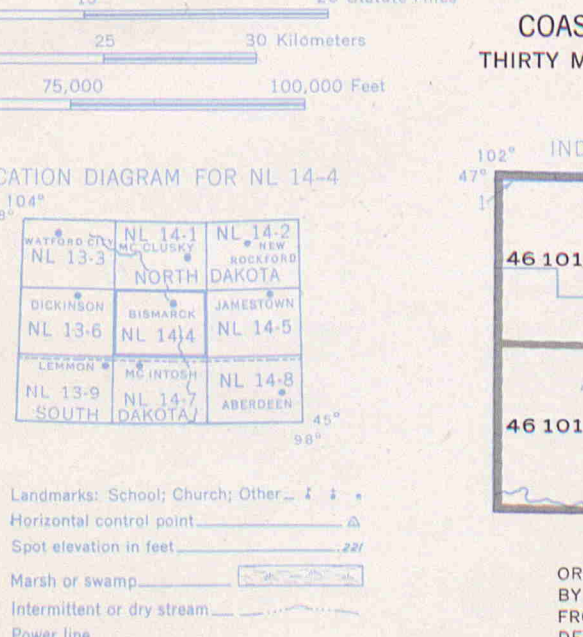
VERTICAL CONTROL

- Coast & Geodetic Survey
- Geological Survey
- First Order
- Second Order
- Third Order

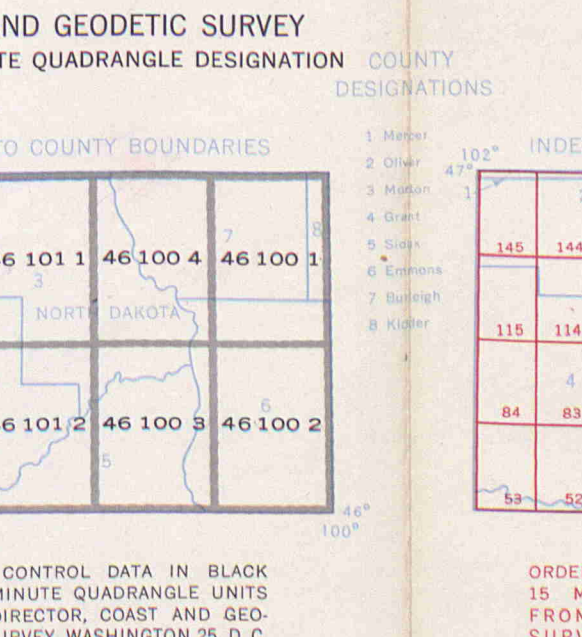
SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

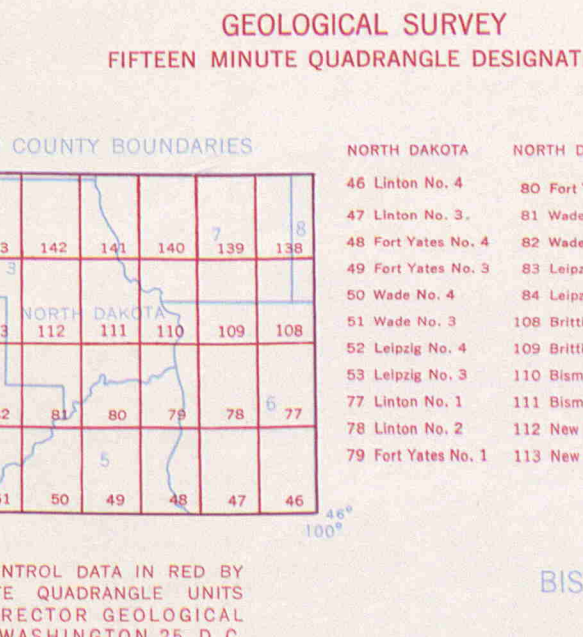
TRANSVERSE MERCATOR PROJECTION



COAST AND GEODETIC SURVEY



GEOLOGICAL SURVEY



NORTH DAKOTA	NORTH DAKOTA (Cont.)	NORTH DAKOTA (Cont.)
46 Linton No. 4	80 Fort Yates No. 2	114 Glen Ullin No. 4
47 Linton No. 3	81 Wade No. 1	115 Heart Butte
48 Fort Yates No. 4	82 Wade No. 2	138 Driscoll
49 Fort Yates No. 3	83 Leppig No. 1	139 McKenzie
50 Wade No. 4	84 Leppig No. 2	140 Menoken
51 Wade No. 3	108 Britton No. 4	143 Bismarck
52 Leppig No. 4	109 Britton No. 3	142 New Salem No. 1
53 Leppig No. 3	110 Bismarck No. 4	145 New Salem No. 2
77 Linton No. 1	111 Bismarck No. 3	144 Glen Ullin No. 1
78 Linton No. 2	112 New Salem No. 4	145 Glen Ullin No. 2
79 Fort Yates No. 1	113 New Salem No. 3	

ORDER CONTROL DATA IN BLACK BY 30 MINUTE QUADRANGLE UNITS FROM DIRECTOR, COAST AND GEODETIC SURVEY, WASHINGTON 25, D. C.

ORDER CONTROL DATA IN RED BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON 25, D. C.

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

QUADS 461001-2-3-4 & 461011-2-3-4  
N DAK  
LATITUDE 46°00'TO 47°00'  
LONGITUDE 100°00'TO 102°00'  
DIAGRAM NL 14-4 BISMARCK

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
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KEY NO.	STATION NAME	QUAD NO.	STATION NO.
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1. MANDAN, NORTHERN PACIFIC RR SHOPS, WHITE CONCRETE STACK
2. MANDAN, OCCIDENT FLOUR MILL, TANK
3. BISMARCK, RADIO STATION KGCU, MAST
4. BISMARCK AIRPORT BEACON  
B.A.P.
5. BISMARCK, MUNICIPAL WATER TANK  
BISMARCK, PRESBYTERIAN CHURCH, SPIRE
6. BISMARCK, EVANGELICAL HOSPITAL, STACK
7. BISMARCK, STATE CAPITAL BUILDING, WATER TANK
8. RAY  
McRAY (MoRC)
- 9.
10. RIVERSIDE (MoRC)
11. BISMARCK (MoRC)
12. BISMARCK NORTH BASE (MoRC)
13. MANDAN (MoRC)
14. TT 25 W(USGS)
15. NEW SALEM, MUNICIPAL WATER TANK
16. FRIEDENS, EVANGELICAL CHURCH, CUPOLA
17. GLEN ULLIN MUNICIPAL AIRPORT, BEACON
18. GLEN ULLIN, SACRED HEART CATHOLIC CHURCH, SPIRE