



RAPID CITY, SOUTH DAKOTA (NL 13-12)  
FEBRUARY 1963

USDOM-DCS-DC-APRIL 1963 A4864

Base prepared by the Army Map Service (AMS), Corps of Engineers, U. S. Army, Washington, D. C. Compiled in 1959 by photogrammetric methods and from South Dakota, 1:25,000, 1:24,000, and 1:125,000, USGS, 1906-1953. Planimetric detail reviewed by photogrammetric methods. Horizontal and vertical control by USC&GS, USGS, and CG. Photography field annotated 1953.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS  
— S. DAKOTA NORTH — S. DAKOTA SOUTH  
INDEX TO COUNTY BOUNDARIES  
104° (See county designations list for county identification)

PLANE COORDINATE ZONES  
□ S. DAKOTA NORTH    □ S. DAKOTA SOUTH

**HORIZONTAL CONTROL**

- Monumented Point - First Order (triangle)
- Monumented Point - Second Order (circle)
- Monumented Point - Third Order (triangle with dot)
- Located Object - Third Order (circle with dot)
- 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 Leveling Third Order

**VERTICAL CONTROL**

- First Order (horizontal line)
- Second Order (dashed horizontal line)
- Third Order (dotted horizontal line)

**STATE SURVEY CONTROL**

- Horizontal or Vertical (double line)

Scale 1:250,000  
0 5 10 15 20 25 30 Statute Miles  
0 5 10 15 20 25 30 Kilometers

**SECTIONIZED TOWNSHIP**

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

**TRANSVERSE MERCATOR PROJECTION**

TOWNSHIP OR RANGE LINE  
LAND GRANT BOUNDARY

**LEGEND ROAD DATA 1953**

- Roads: Hard surface, heavy duty; Two lanes wide, Federal route marker; Hard surface, medium duty; More than two lanes wide; Two lanes wide, State route marker; Improved light duty; Unimproved dirt; Trail
- Railroads: Single track Double or Multiple; Standard gauge; Narrow gauge
- Boundaries: International; State; County; Park or reservation
- Landmarks: School; Church; Other... 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

44 103 4	44 103 1	44 102 4	44 102 1
44 103 3	44 103 2	44 102 3	44 102 2

**INDEX TO COUNTY BOUNDARIES**

268	267	266	265	264	263	262	261
236	235	234	233	232	231	230	229
204	203	202	201	200	199	198	197
172	171	170	169	168	167	166	165

**GEOLOGICAL SURVEY FIFTEEN MINUTE QUADRANGLE DESIGNATION**

165 Penna No. 4	200 Pennington No. 2	235 St. Onge
166 Waste	201 Rapid City	236 Belle Fourche
167 Spearfish	202 Fort Meade	237 White Owl No. 1
168 New Underwood	203 Spearfish	238 White Owl No. 2
169 Rapid City No. 3	204 Spearfish	239 Stoneville
170 Rapid City No. 4	205 White Owl No. 3	240 Sulphur
171 Deadwood No. 4	206 White Owl No. 4	241 Newell No. 1
172 Crooks Tower	207 Stoneville	242 Castle Rock
	208 Fairport	243 Twilight
	209 Fairport	244 Sulphur
	210 Rapid City	245 Vale

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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 PUBLISHED AND PRINTED BY:  
 U. S. DEPARTMENT OF COMMERCE  
 COAST AND GEODETIC SURVEY  
 WASHINGTON D.C.  
 Rev: JULY 63

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

QUADS 441021-2-3-4 & 441031-2-3-4  
 S. DAK  
 LATITUDE 44°00' TO 45°00'  
 LONGITUDE 102°00' TO 104°00'  
 DIAGRAM NL 13-12 RAPID CITY

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
1.	GLO 15 GLO 15 RM 1 GLO 15 ECC. RM 2		
2.	GLO 16 GLO 16 SE BASE GLO 16 NW BASE RM 1		
3.	NEW UNDERWOOD, MUNICIPAL WATERTANK		
4.	POINT A TT 19 DFC (USGS)		
5.	RAPID CITY, RADIO STATION WCAT, TOWER		
6.	RAPID CITY, RADIO STATION KOTA FM, MAST		
7.	PEAK S OF TERRY CUSTER, NE CORNER OF RANGERS STATION CUSTER, NW CORNER OF RANGERS STATION CUSTER PEAK LOOKOUT TOWER		
8.	GLO 19 GLO 19 RM 1 GLO 19 RM 2		
9.	RAPID CITY MUNICIPAL AIRPORT, TANK BEACON		
10.	TERRY 2 TERRY PEAK LOOKOUT TOWER		
11.	GLO 22 GLO 22 RM 1 GLO 22 RM 2 GLO 22 RM 3		
12.	LOOKOUT PEAK		
13.	GLO 20 A GLO 20 A ECC GLO 20 B GLO 20 B RM		
14.	NISLAND, MUNICIPAL WATER TANK		
15.	NEWELL, MUNICIPAL WATER TANK		
16.	GLO 21 GLO 21 RM		
17.	MILLER BUTTE MILLER (USGS)		
18.	BELLE FOURCHE, COUNTY COURTHOUSE, DOME		
19.	UNIDENTIFIED MARK (USGS) NEAR REDWATER		
20.	ELLSWORTH AIR FORCE WATER TANK & BEACON		
21.	RUSHMORE AFB, N WATER TANK RUSHMORE AFB, S WATER TANK		

KEY NO.	STATION NAME	QUAD NO.	STATION NO.
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