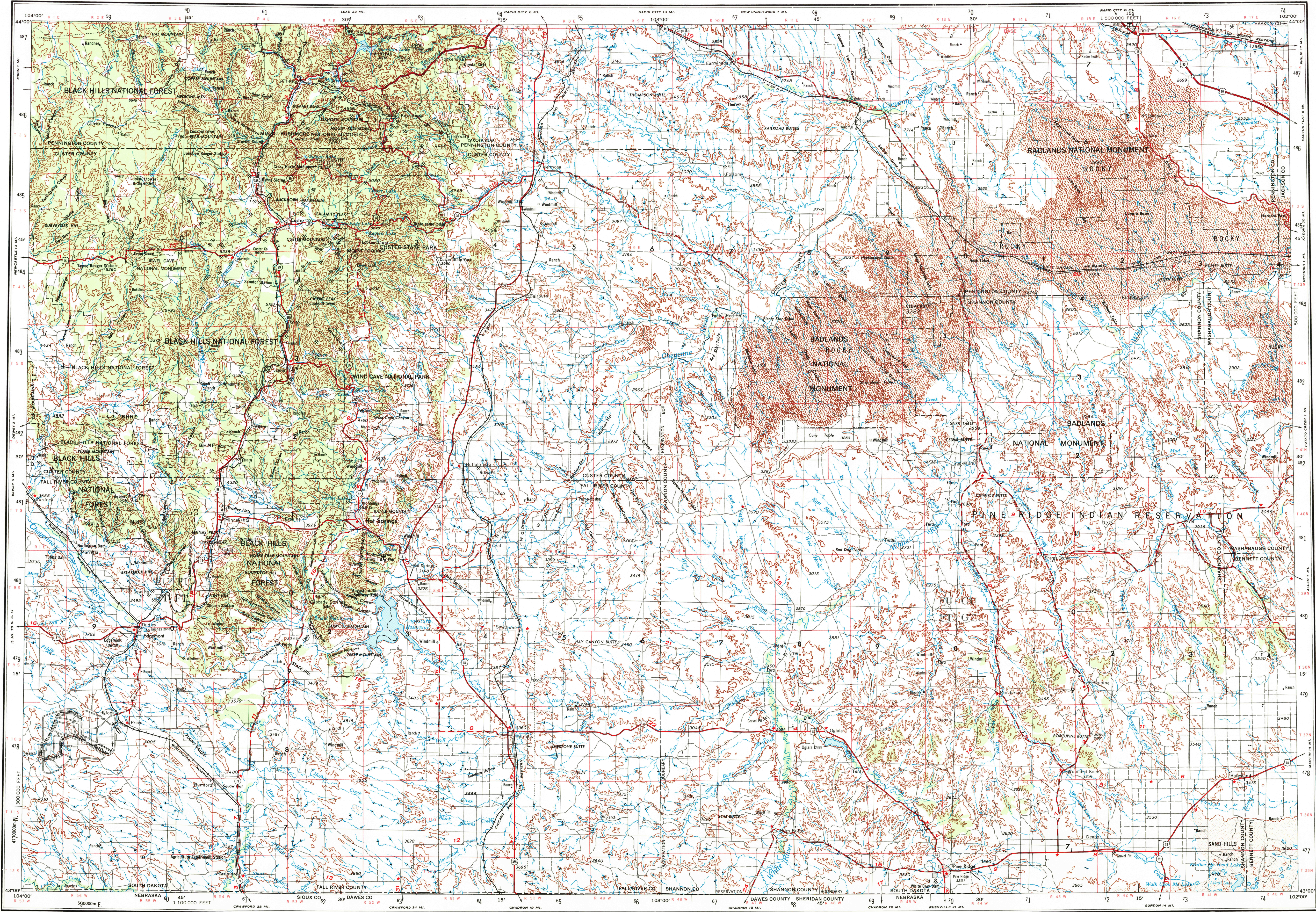




Prepared by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled in 1955 by photogrammetric methods and from USGS quadrangles 1:24,000 and 1:25,000-scale dated 1898-1954. Photographs taken 1955. Revised by the U. S. Geological Survey from aerial photographs taken 1976. Map edited 1978. Area covered by dashed light-blue pattern is subject to controlled inundation 100,000-foot grid based on South Dakota coordinate system, south zone. Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

Over 500,000
100,000 to 500,000
25,000 to 100,000
5,000 to 25,000
1,000 to 5,000
Less than 1,000

ROADS

Primary, all-weather, hard surface
Secondary, all-weather, hard surface
Light-duty, all-weather, hard or improved surface
Fair or dry weather, unimproved surface
Trail
Interchange

RAILROADS

Standard gauge
Narrow gauge
Single track
Double or multiple track
Landplane airport
Landing area
Seaplane airport
Dry lake
Woods/bushwood

BOUNDARIES

International
State
County
Park or reservation

Other Symbols

Route markers: Interstate, U.S., State
Mileage
Landmark: School, Church, Other
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Power line

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 13

1978 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 12°15' (220 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 11°14' (200 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

LOCATION DIAGRAM

108°	107°	106°	105°	104°	103°	102°	101°	100°	99°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°
46°	45°	44°	43°	42°	41°	40°	39°	38°	37°

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

GRID ZONE DESIGNATION

13T

100,000 M. SQUARE IDENTIFICATION

EU FU GU
ET FT GT

40
70

IGNORE THE SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY THE LARGER figure of the grid number.

example: 4770000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METER

SAMPLE POINT: DELIRCHS

1. Read letters identifying 100,000 Meter squares in which the point lies. 2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself. 3. Estimate tenths from grid line to point. 4. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself. 5. Estimate tenths from grid line to point.

SAMPLE REFERENCE: 4770000 13T 14482