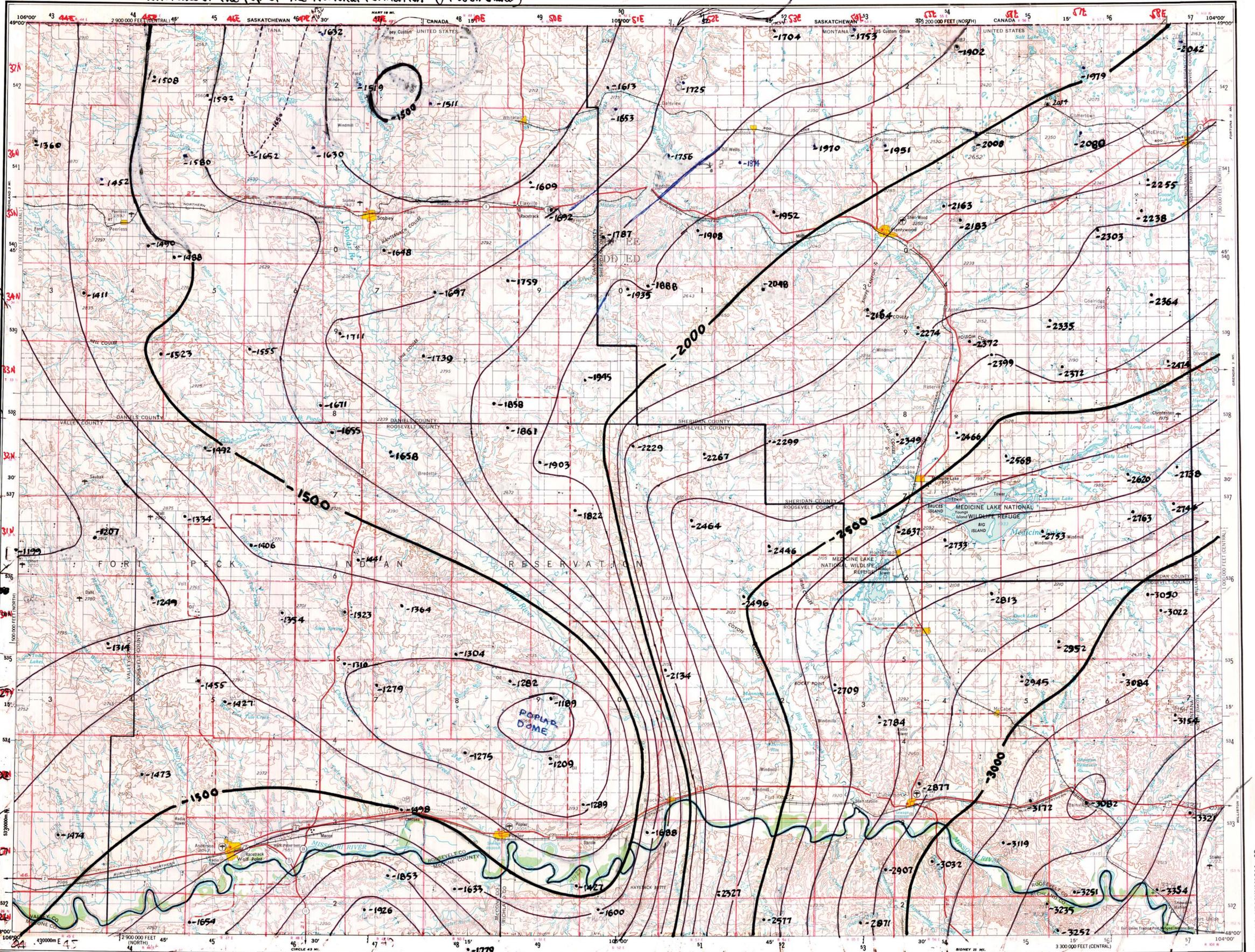


WESTERN UNITED STATES 1:250,000

STRUCTURAL CONTOURS @ THE TOP OF KOOTENAI FM. (FUSON SH.) WOLF POINT
 Altitude of the Top of the Kootenai Formation (Fuson shale)

EDITION 3

NM 13-11
 SERIES V502



V502, EDITION 3

Prepared by the U. S. Army Topographic Command (ASST, Washington, D. C. Compiled in 1955 by photogrammetric methods from United States quadrangles 424,000, 1946-50. Planimetry revised from aerial photographs taken 1951-52. Photographs field annotated 1954. Revised in 1975 by the U. S. Geological Survey from aerial photographs taken 1973. 100,000-foot grids based on Montana coordinate system north and central zone. Location of geodetic control established by government agencies as shown on corresponding 1:250,000-scale Geodetic Control Diagram.

Data points from:
 Feltis, R.D., Lewis, B.D., Frasure, R.L., Rioux, R.P., Jauhola, C.A. and Hotchkiss, W.R., 1981, Selected Geologic Data from the Northern Great Plains area of Montana: U.S. Geological Survey Water-Resources Investigations Open-File Report 81-415, 63 p., 1:60,000
 Contoured by R.N. Bergantino, 1982

LEGEND

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
 Interchanges

RAILROADS
 Single track double mainline
 Standard gauge
 Narrow gauge
 Landplane airport
 Landing strip

BOUNDARIES
 International
 State/province
 County

Other symbols:
 Landmark: School, church, Other, etc.
 Spot elevation
 Marsh or swamp
 Intermittent or dry stream
 Scaevola embankment
 Woods/brushwood
 Power line

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

CONTOUR INTERVAL 100 FEET
 TRANSVERSE MERCATOR PROJECTION

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

1975 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 15° 14' WEST TO 15° 14' EAST, FOR THE CENTER OF THE SHEET TO 10' EAST, WESTERLY FOR THE CENTER OF THE SHEET EAST

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



GRID ZONE DESIGNATION: 13U 8311

TO USE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

GRID ZONE DESIGNATION: 13U 8311

TO USE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS

1. Read letters identifying 100,000 meter squares in which the point lies. 2. Read the number of the grid line on the top or bottom margin, or the left or right margin, of the sheet. 3. Estimate meters from grid line to point. 4. Add the number of the grid line to the estimate to get the final grid reference. 5. Ignore the smaller figures of any grid number; these are for finding the full coordinate. Use only the larger figures of the grid number.

EXAMPLE: 5320000

TO FIND RANGE LINE AND GRANT BOUNDARY

WOLF POINT, MONTANA; NORTH DAKOTA 1954

Top of the Kootenai Formation, feet, mean sea level

STOCK NO. V502NM1311*03