

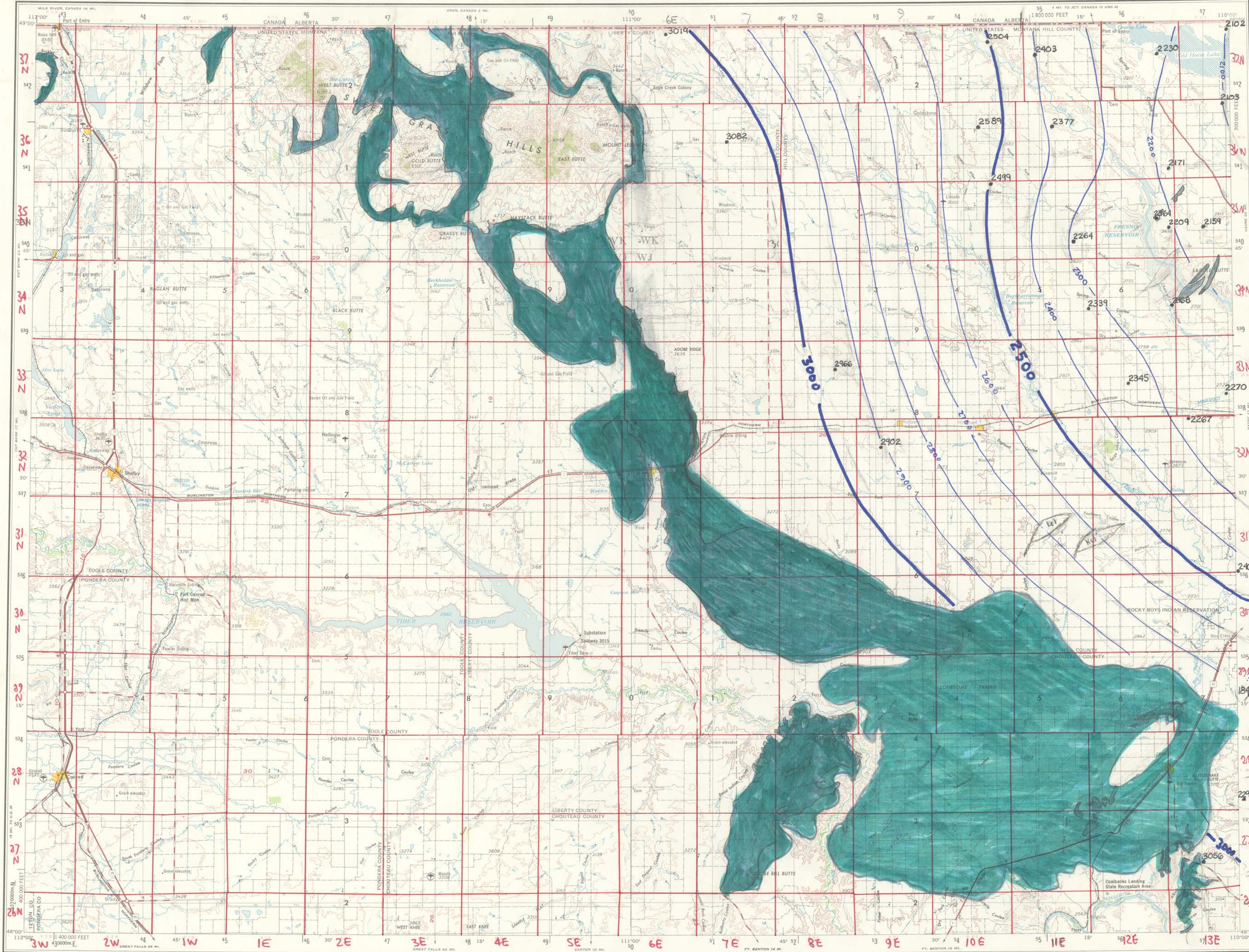
WESTERN UNITED STATES 1:250,000

CLAGGETT SHALE

SHELBY

EDITION 3

NM 12-11
SERIES V502



V502, EDITION 3

Prepared by the U.S. Army Topographic Command (AJART), Washington, D.C. Compiled in 1955 by photogrammetric methods from aerial photographs taken 1953. Photographs field annotated 1954. Revised in 1974 by the U.S. Geological Survey from aerial photographs taken 1973.

Area covered by dashed light-blue pattern is subject to controlled inundation.

100,000-foot grid based on Montana coordinate system, north zone. Location of geodetic control established by government agencies is 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., Contoured by R.N. Bergantino, 1982

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

Normal gauge
Single track
Double or multiple track

BOUNDARIES

International
State
County
Park or reservation

Landplane airport
Landing area
Seaplane airport
Seaplane anchorage
Woods/brushwood

Landmark: School; Church; Other
Spot elevation in feet
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 Kilometres
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 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 12

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 19° 13' 00" WEST TO 18° 03' 00" EAST FOR THE CENTER OF THE WEST EDGE TO 18° 03' 00" WEST TO 17° 03' 00" EAST FOR THE CENTER OF THE EAST EDGE

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

LOCATION DIAGRAM

BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
ONTARIO
QUEBEC
NEW BRUNSWICK
NEWFOUNDLAND
ATLANTIC OCEAN
GULF OF MEXICO
FLORIDA
LOUISIANA
MISSISSIPPI
ALABAMA
GEORGIA
SOUTH CAROLINA
NORTH CAROLINA
VIRGINIA
WEST VIRGINIA
MARYLAND
DELAWARE
PENNSYLVANIA
OHIO
INDIANA
ILLINOIS
KANSAS
NEBRASKA
MINNESOTA
IOWA
MISSOURI
ARIZONA
NEW MEXICO
UTAH
IDAHO
MONTANA
WYOMING
COLORADO
NEBRASKA
KANSAS
OKLAHOMA
TEXAS
LOUISIANA
MISSISSIPPI
ALABAMA
GEORGIA
FLORIDA
ATLANTIC OCEAN

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: 12U
100,000 M. SQUARE IDENTIFICATION: VK WK
50,000 M. SQUARE IDENTIFICATION: VJ WJ
25,000 M. SQUARE IDENTIFICATION: 50 50

TO OBTAIN A STANDARD REFERENCE TO THIS SHEET TO NEAREST 100 METRES

SAMPLE POINT: WINDMILL

1. Read letters identifying 100,000 metre square 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 metres 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 metres from grid line to point.

SAMPLE REFERENCE:
If reporting beyond 10° in any direction, prefix Grid Zone Designation, 12U.

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

SHELBY, MONT., U.S.; ALBERTA, CAN.
1954
REVISED 1974

Top of the Claggett Shale, feet, mean sea level