MBMG 714–Plate B
Shelby—Top of Eagle Formation

Contoured by R.N. Bergantino, 1982
Released 2019

WESTERN UNITED STATES 1:250,000 Top of the Eagle Sandstone

SHELBY

EDITION 3

NM 12-11
SERIES V502

METERS	FEET
480	1574
500	1640
520	1706
540	1772
560	1837
580	1903
600	1969
620	2034
640	2100
660	2165
680	2231
700	2297
720	2362
740	2428
760	2493
780	2559
800	2625
820	2690
840	2756
860	2822
880	2887
900	2953
920	3018
940	3084
960	3150
980	3215
1000	3281
1020	3346
1040	3412
1060	3478
1080	3543

Meters	Feet
488	1600
503	1650
518	1700
533	1750
549	1800
564	1850
579	1900
594	1950
610	2000
625	2050
640	2100
655	2150
671	2200
686	2250
701	2300
716	2350
732	2400
747	2450
760	2500
777	2550
792	2600
808	2650
823	2700
838	2750
853	2800
869	2850
884	2900
899	2950
914	3000
930	3050
945	3100
960	3150
975	3200
991	3250
1006	3300
1021	3350
1036	3400
1052	3450
1067	3500

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.,
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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

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES
Over 500,000 — LOS ANGELES
100,000 to 500,000 — OMAHA
25,000 to 100,000 — GALVESTON
5,000 to 25,000 — Durango
1,000 to 5,000 — Grand Coulee
Less than 1,000 — Sun Valley

RAILROADS
Normal gauge
Narrow gauge
Single track Double or Multiple

BOUNDARIES
International
State
County
Park or reservation

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
Interchange
Trail
Route markers: Interstate, U.S., State

Landplane airport
Landing area
Seaplane airport
Seaplane anchorage
Woods-brushwood

Mine
Landmark: School; Church; Other,
Spot elevation in feet
Marsh or swamp
Intermittent or dry stream
Power line

Scale 1:250,000

5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometres
5 0 5 10 15 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 19½° (350 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 18½° (330 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

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

Top of the Eagle Formation, meters, mean sea level

LOCATION DIAGRAM

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	

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

GRID ZONE DESIGNATION: 12U
100,000 M. SQUARE IDENTIFICATION

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 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:
Estimate tenths from grid line to point:
3. 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:
Estimate tenths from grid line to point:

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: 530000

SAMPLE REFERENCE: WJ6358
If reporting beyond 18° in any direction, prefix Grid Zone Designation, as: 12UWJ6358

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

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1976