

Montana Bureau of Mines and Geology
Open File No. 475

Geologic and Structure Contour Map
of the Richey 30' x 60' Quadrangle,
Eastern Montana

Edith M. Wilde and Larry N. Smith

2003

To view a full scale version of this map, [click here](#).

For the text files with the map information, [click here](#).

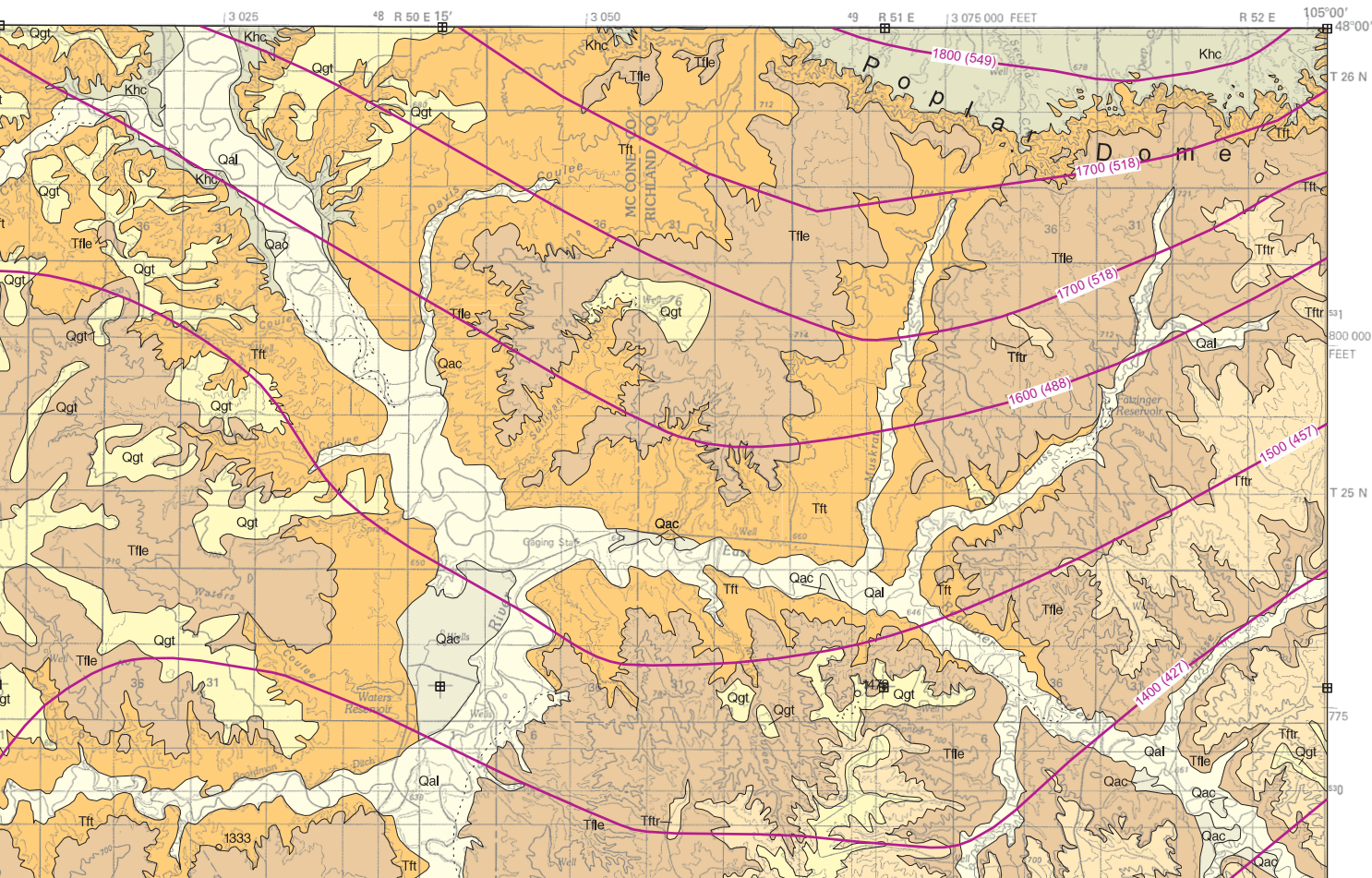
[Digital data link](#)

Note— This map was originally published at a scale of 1;100,000 but the page sizes have been modified to fit average printer capabilities (8½ x 14; legal size paper). There is a an eighth inch overlap on these pages. A full sized colored print of this map can be ordered from the **MBMG Publication Sales Office, 1300 West Park Street, Butte, MT, 59701-8997.**

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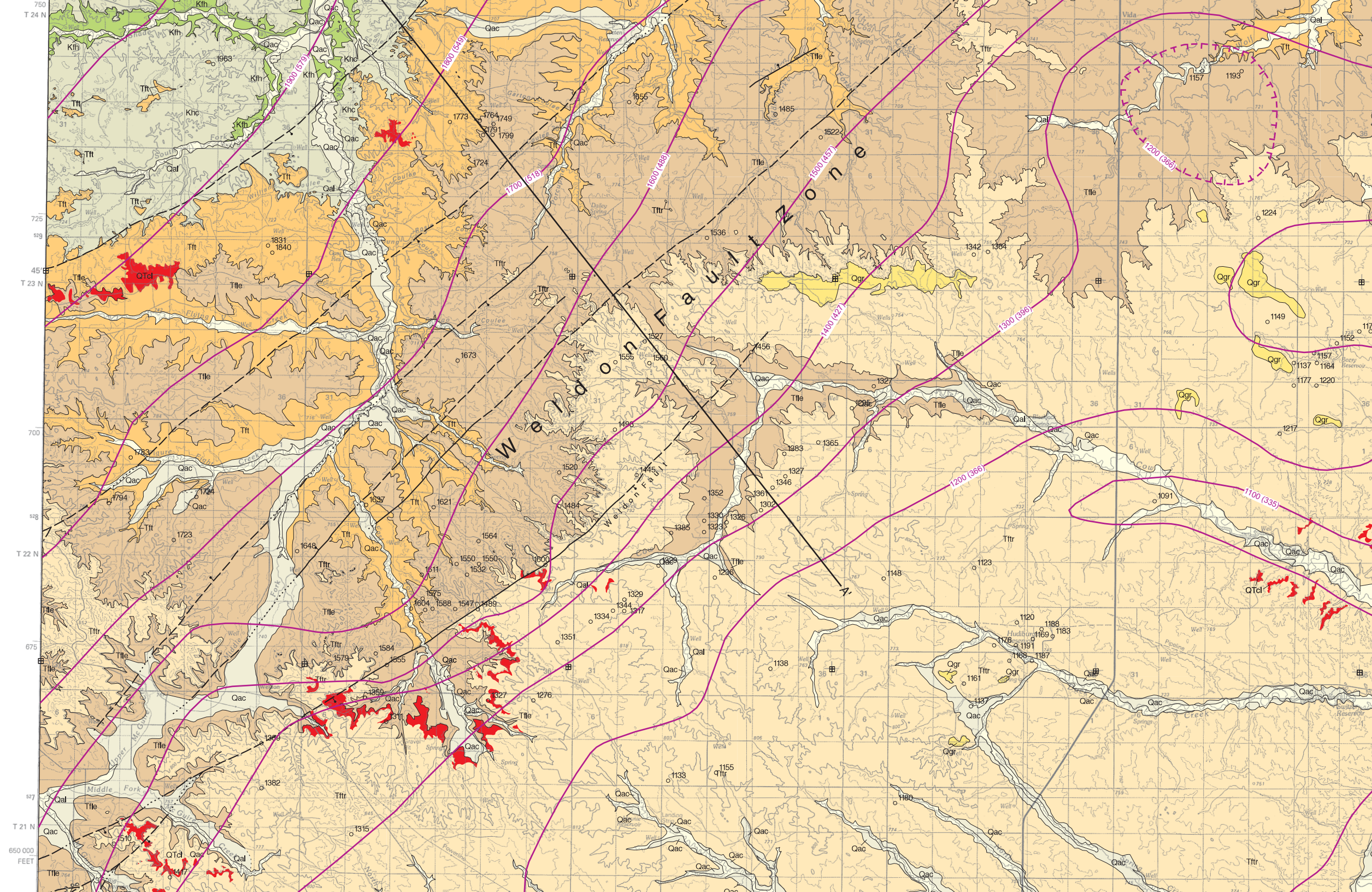
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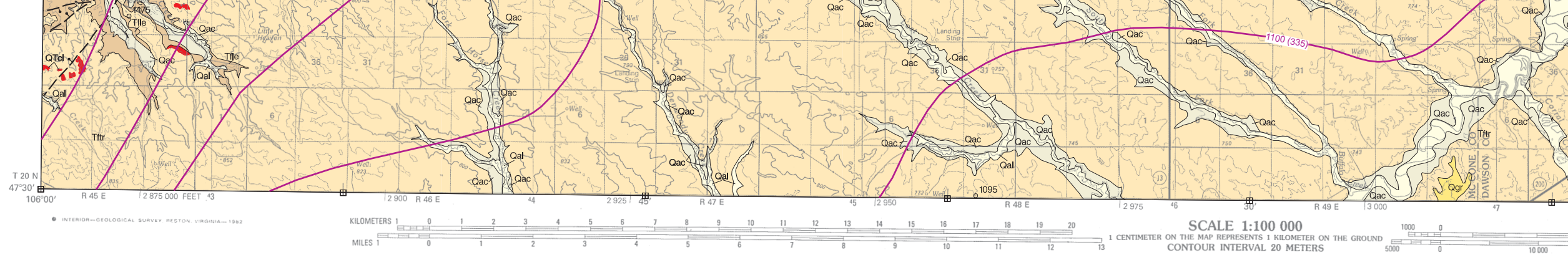
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Geologic and Structure Contour Map, Richey 30'x60' Quadrangle



MAP UNITS

Qal	Alluvium of modern channels and flood plains
Qac	Alluvium-colluvium
Qao	Alluvium, older, undivided
Qls	Landslide deposit
Qgr	Gravel
Qgt	Glacial till
QTcl	Clinker
QTat	Alluvium of alluvial terrace deposit
Tftr	Tongue River Member of Fort Union Formation
Tfle	Lebo Member of Fort Union Formation

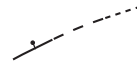




Map Symbols



Contact. Dotted where concealed.



Normal fault. Dashed where approximately located; dotted where concealed; ball and bar on downthrown side



Well location and elevation of top of Pierre (Bearpaw) Shale; elevation in feet above mean sea level
Note: Well log elevation data in feet. To convert to meters divide by 3.28.



Structure contour on top of Pierre (Bearpaw) Shale; contour interval 100 feet (30.5 meters).
Datum: mean sea level



Outline of interpreted structural depression on top of Pierre (Bearpaw) Shale

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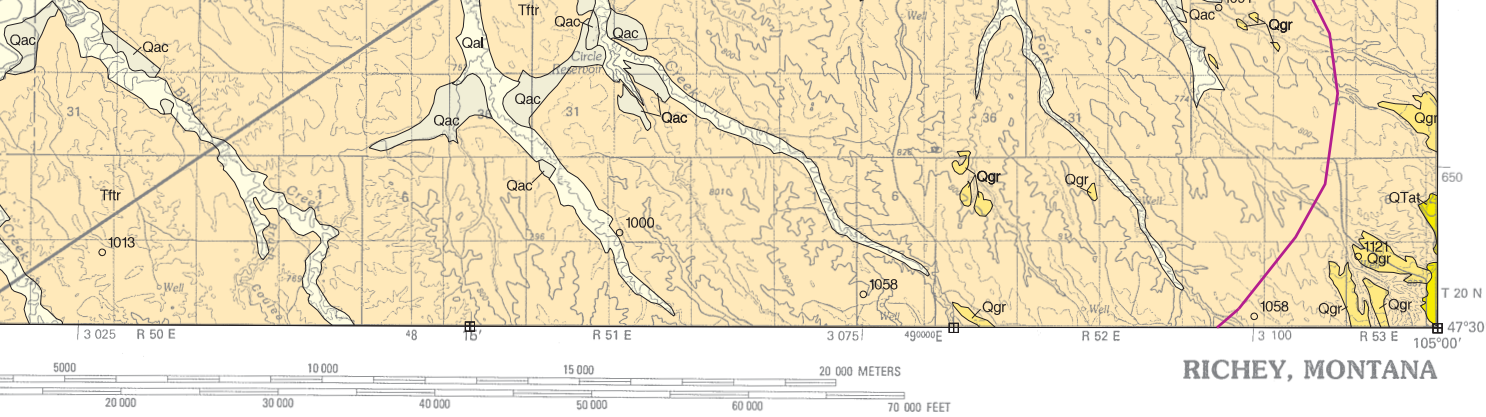
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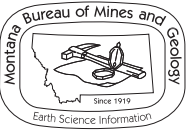
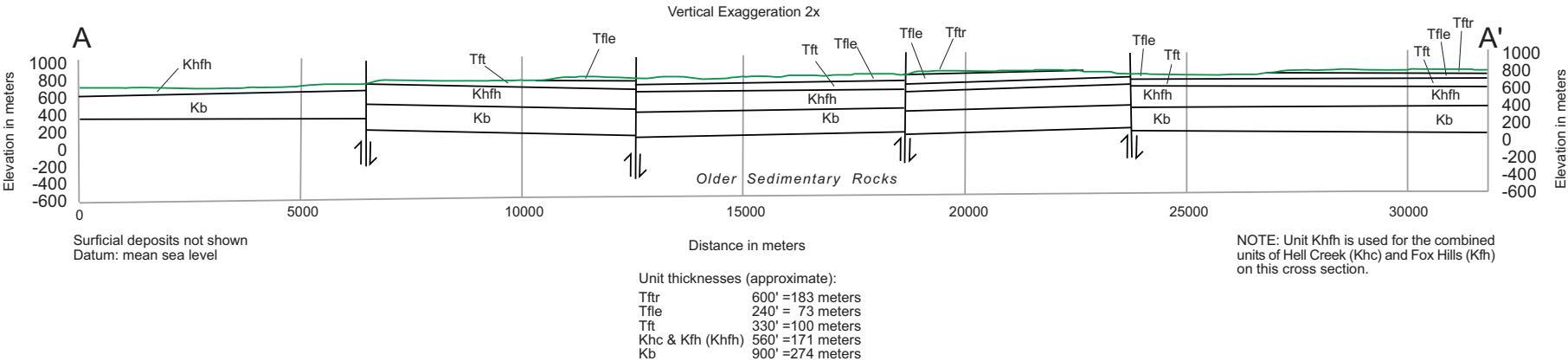
Partial support has been provided by the S
Mapping Program of the U.S.Geological S

GIS production: Ken Sandau and Paul Tha



GLASGOW	WOLF POINT	CULBERTSON
FORT PECK LAKE EAST	RICHEY	SIDNEY
JORDAN	CIRCLE	GLENDIVE

Cross Section A-A'



Maps may be obtained from
Publications Office
Montana Bureau of Mines and Geology
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