



GEOLOGIC MAP OF
HAMILTON COUNTY,
KANSAS
2003

Geology mapped by
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Computer compilation and
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System	QUATERNARY	TERTIARY	CRETACEOUS
Member	Formation	Group	Series
Qal		HUOGENIC	RECENT LATE EUSTACIAN
Qt		HUOGENIC	TERrace deposits
Qp		PASTURENE	Playa deposits
Qds		PASTURENE	Eolian sand dunes
Qts		PASTURENE	Eolian sand sheet
To	(Tu)	PASTURENE	Loess
Krm		MIOCENE	Digital Fm
Kaf		MIOCENE	Smoky Hill Chalk
Kc		MIOCENE	Fort Hays Limestone Mbr
Kgh		MIOCENE	Burns Sh.
Kgr		MIOCENE	Blue Spring Chalk Mbr
Kd		MIOCENE	Hartland Sh. Mbr
		MIOCENE	Lincoln Sh. Mbr
		MIOCENE	Greenhorn Ls
		MIOCENE	Groner Sh.
		MIOCENE	Dakota Fm
As		MIOCENE	Active Sands

*(Qp) Parenthesis indicates the presence of a geologic formation below water.

*(Tu) Undifferentiated Quaternary and Pleistocene-age terrace deposits.

Stratigraphy based on Zeller, D. E., ed. 1969. The stratigraphic succession in Kansas and its relation to the stratigraphic successions in surrounding states.

"Bear Creek Fault" — This is an approximate location of the fault. The source is the "Bear Creek Water Resource of Hamilton County, southwestern Kansas," U.S. Geological Survey, HA-316.

Topographic base map from USGS Digital Line Graph (DLG) files compiled by the Kansas Geological Survey.

Contour interval is 20 feet (6 meters).

Vertical exaggeration is 1:25,000.

Scale is 1:250,000 (1:204,000 metric).

Map projection is Lambert Conformal Conic.

Coordinates are in UTM Zone 15N, NAD 1983.

Vertical scale is 1:250,000 (1:204,000 metric).

Horizontal scale is 1:250,000 (1:204,000 metric).

Map is oriented North.

Map is approximately 1:250,000 (1:204,000 metric).

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