Depth of the Earth's Crust in North Dakota

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INTRODUCTION
The estimated thickness of the Earth's crust in North Dakota is depicted on this map at a scale of 1:1,000,000. The crust of the Earth is the outermost layer of solid and nonmagnetic material surrounding the planet. In North Dakota, the crust includes the rocks of the Williston Basin and Precambrian basement or rocks of the Pre cambrian (Pisces) era. The crust is divided into three primary layers: the upper crust, middle crust, and lower crust.

DESCRIPTION OF CRUSTAL THICKNESS
Estimated crustal thickness values in this map can be a function of many factors, including lithology, isostatic loading, tectonic activity, and the amount of rock erosion. A crustal thickness map is depicted on this map at a scale of 1:1,000,000. The thickness of the crust is shown in kilometers. The crust is divided into three primary layers: the upper crust, middle crust, and lower crust.

MAP ANALYSIS METHODOLOGY
Estimated crustal thickness values in this map can be a function of many factors, including lithology, isostatic loading, tectonic activity, and the amount of rock erosion. A crustal thickness map is depicted on this map at a scale of 1:1,000,000. The thickness of the crust is shown in kilometers. The crust is divided into three primary layers: the upper crust, middle crust, and lower crust.

EARTHSCOPE SEISMIC STATION LOCATIONS

EXPLANATION
Depth contour (approximate) of the Earth's crust.

REFERENCES

OTHER SOURCES

VERTICAL EXAGGERATION = 10X