USGS point coordinates (98°41'54"W, 38°29'54"N) are from USGS Bulletin 817, "Boundaries, areas, geographic centers, and altitudes of the United States and the several states, with a brief record of important changes in their territory and government," by Edward Morehouse Douglas (1930).

KGS' McCauley-Ross and Bartley center point locations were calculated independently. McCauley and Ross used different center-of-mass methods to derive points at the same approximate location, 98°22'42"W, 38°29'37"N. Bartley derived two points located at 98°22'38"W, 38°29'38"W with a center-of-mass method and an envelope method using the state's minimum and maximum x- and y-coordinates in ESRI ArcGIS software.

All points should be interpreted as only approximate locations.

The topographic map base is from USGS Digital Raster Graphic (DRG) images. The DRG is a raster image of a scanned 7.5-min 1:24,000-scale USGS topographic map, including marginal and legend information, which has been removed. The map sheets have been georeferenced to the UTM grid and mosaicked together.

Differences in color or symbolization of features spanning adjacent maps reflect differences between the original maps, not characteristics of the features.

Map symbols and conventions are those used by the U.S. Geological Survey and are explained in the USGS brochure "Topographic Map Symbols," available without charge from the Kansas Geological Survey.

The Kansas Geological Survey does not guarantee this map to be free from errors or inaccuracies and disclaims any responsibility or liability for interpretations made from the map or decisions based thereon.

April, 2006