

**DESCRIPTION OF MAP UNITS**

This map is intended to update the geologic map of the same area, but is 1:50,000 scale, by comparison with other 1:50,000 scale geologic maps of the area. The map is intended to update the geologic map of the same area, but is 1:50,000 scale, by comparison with other 1:50,000 scale geologic maps of the area. The map is intended to update the geologic map of the same area, but is 1:50,000 scale, by comparison with other 1:50,000 scale geologic maps of the area.

**SEMI-DIAGENETIC ROCKS**

**Althorn and Colburn Phosphate**—Mostly argillaceous, locally siliceous, and contains small amounts of phosphate. It is a fossiliferous, micaceous, siliceous, and argillaceous rock, locally containing small amounts of phosphate. It is a fossiliferous, micaceous, siliceous, and argillaceous rock, locally containing small amounts of phosphate.

**Young granitic diorite**—Includes coarse and fine grained diorite, locally containing small amounts of phosphate. It is a fossiliferous, micaceous, siliceous, and argillaceous rock, locally containing small amounts of phosphate.

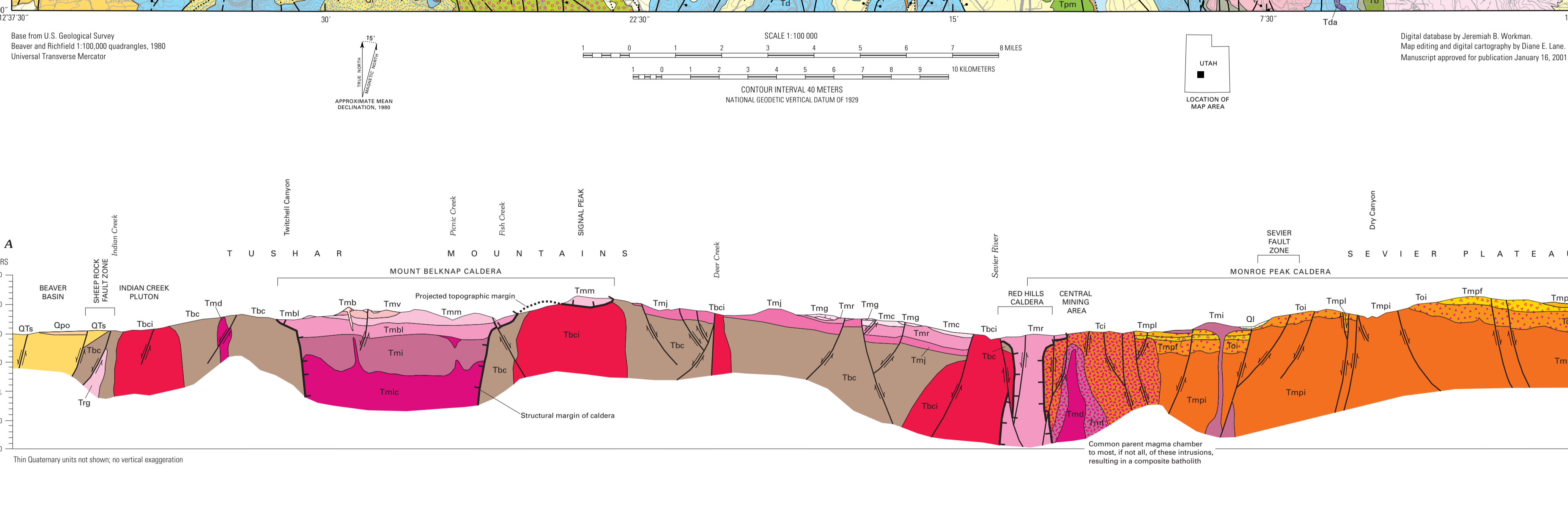
**Heavily spotted diorite**—Includes coarse and fine grained diorite, locally containing small amounts of phosphate. It is a fossiliferous, micaceous, siliceous, and argillaceous rock, locally containing small amounts of phosphate.

**Light gray diorite**—Includes coarse and fine grained diorite, locally containing small amounts of phosphate. It is a fossiliferous, micaceous, siliceous, and argillaceous rock, locally containing small amounts of phosphate.

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**Basalt flows**—Includes coarse and fine grained basalt, locally containing small amounts of phosphate. It is a fossiliferous, micaceous, siliceous, and argillaceous rock, locally containing small amounts of phosphate.

**Sedimentary basalt deposits**—Includes coarse and fine grained basalt, locally containing small amounts of phosphate. It is a fossiliferous, micaceous, siliceous, and argillaceous rock, locally containing small amounts of phosphate.



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# GEOLOGIC MAP OF THE CENTRAL MARYSELLE VOLCANIC FIELD, SOUTHWESTERN UTAH

By Peter D. Rowley, Charles G. Cunningham, Thomas A. Steven, Jeremiah B. Workman, John J. Anderson, and Kevin M. Theissen 2002

**Correlation of Map Units**

**Quaternary**

**Recent**

**Holocene**

**Pleistocene**

**Mid-Pleistocene**

**Lower Pleistocene**

**Upper Pleistocene**

**Upper Pliocene**

**Lower Pliocene**

**Upper Miocene**

**Lower Miocene**

**Upper Oligocene**

**Lower Oligocene**

**Upper Eocene**

**Lower Eocene**

**Upper Paleocene**

**Lower Paleocene**

**Upper Cretaceous**

**Lower Cretaceous**

**Upper Jurassic**

**Lower Jurassic**

**Upper Triassic**

**Lower Triassic**

**Upper Permian**

**Lower Permian**

**Upper Pennsylvanian**

**Lower Pennsylvanian**

**Upper Mississippian**

**Lower Mississippian**

**Upper Devonian**

**Lower Devonian**

**Upper Silurian**

**Lower Silurian**

**Upper Ordovician**

**Lower Ordovician**

**Upper Cambrian**

**Lower Cambrian**

**Upper Precambrian**

**Lower Precambrian**

**Upper Proterozoic**

**Lower Proterozoic**

**Upper Paleoproterozoic**

**Lower Paleoproterozoic**

**Upper Mesoproterozoic**

**Lower Mesoproterozoic**

**Upper Neoproterozoic**

**Lower Neoproterozoic**

**Upper Archean**

**Lower Archean**

**Upper Hadaean**

**Lower Hadaean**

**Upper Eoarchean**

**Lower Eoarchean**

**Upper Pre-Archaeozoic**

**Lower Pre-Archaeozoic**

**Upper Proterozoic**

**Lower Proterozoic**

**Upper Paleoproterozoic**

**Lower Paleoproterozoic**

**Upper Mesoproterozoic**

**Lower Mesoproterozoic**

**Upper Neoproterozoic**

**Lower Neoproterozoic**

**Upper Archean**

**Lower Archean**

**Upper Hadaean**

**Lower Hadaean**

**Upper Eoarchean**

**Lower Eoarchean**

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**Lower Pre-Archaeozoic**

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