

DESCRIPTION OF MAP UNITS

**Albion (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Chalky (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Albion (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**TERTIARY SEDIMENTARY ROCKS**

**Green River Formation (Helm)**—Light gray to yellowish brown, fine to medium bedded, cross-bedded, and laminated. Contains thin beds of lignite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Wasatch Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Mancoska Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**CRETACEOUS SEDIMENTARY ROCKS**

**Pice River Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Blancan Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Wasatch Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**JURASSIC AND TRIASSIC SEDIMENTARY ROCKS**

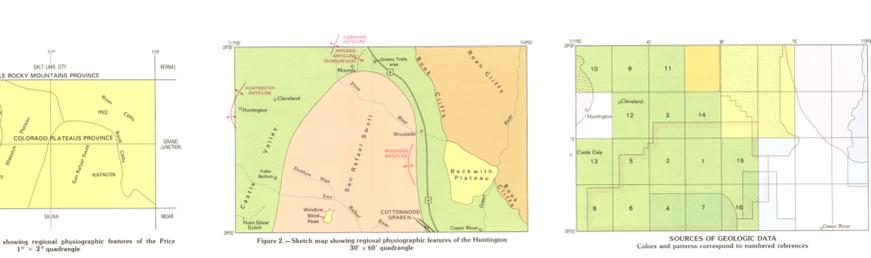
**Wasatch Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Blancan Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**Wasatch Formation (Helm)**—Dark brown to gray, fine to thick bedded deposit of clay, sil. sand, granitic, volcanic, and quartzite. Unconformably overlies lower units of the Permian. Thickness about 100 to 150 ft.

**INDEX OF 7.5-MINUTE (1:62,500-SCALE) QUADRANGLES USED IN COMPILED**

A grid of 7.5-minute quadrangles with their corresponding map numbers and titles. The grid covers the area from 108° 00' W to 109° 00' W and 38° 00' N to 39° 00' N.



**INTRODUCTION**

The U.S. Geological Survey is pleased to present this geologic map of the Huntington 30' x 60' quadrangle. The map was compiled from a variety of sources, including the geologic maps of the Carbon, Emery, Grand, and Uintah Counties, Utah, and the geologic maps of the Huntington 30' x 60' quadrangle.

**SCOPE AND LIMITATIONS**

This geologic map shows the geologic units and their relationships in the Huntington 30' x 60' quadrangle. It does not show the geologic units and their relationships in the Carbon, Emery, Grand, and Uintah Counties, Utah, or the Huntington 30' x 60' quadrangle.

**ACKNOWLEDGMENTS**

The author wishes to thank the following persons for their assistance in the preparation of this map: [List of names]

**COLLAPSE STRUCTURES**

The geologic map shows the collapse structures in the Huntington 30' x 60' quadrangle. These structures are characterized by normal faults and are associated with the Wasatch-Cannonville Plateau and the Kaiparowits Plateau.

**SURFACE WATER RESOURCES**

The geologic map shows the surface water resources in the Huntington 30' x 60' quadrangle. These resources include the Huntington River, the Kaiparowits River, and the Wasatch-Cannonville Plateau.

**ECONOMIC DEPOSITS**

The geologic map shows the economic deposits in the Huntington 30' x 60' quadrangle. These deposits include coal, oil, and natural gas.

**AGE RELATIONS**

The geologic map shows the age relations in the Huntington 30' x 60' quadrangle. The units are dated from the Permian to the Quaternary.

**ORIGIN OF THE MAP**

The geologic map was compiled from a variety of sources, including the geologic maps of the Carbon, Emery, Grand, and Uintah Counties, Utah, and the geologic maps of the Huntington 30' x 60' quadrangle.

**REFERENCES**

Albion, Helm, 1910. Geologic map of the Huntington 30' x 60' quadrangle. U.S. Geological Survey, Washington, D.C.

Blancan, Helm, 1910. Geologic map of the Huntington 30' x 60' quadrangle. U.S. Geological Survey, Washington, D.C.

Wasatch, Helm, 1910. Geologic map of the Huntington 30' x 60' quadrangle. U.S. Geological Survey, Washington, D.C.

# GEOLOGIC MAP OF THE HUNTINGTON 30' x 60' QUADRANGLE, CARBON, EMERY, GRAND, AND UINTAH COUNTIES, UTAH

By  
Irving J. Witkind  
1988