**Introduction**

The map was made contemporaneously, using aerial photo interpretation and field mapping in 1982 and completed in 1985. The map was updated in the late 1980s and early 1990s. The most recent update included a revision of the bedrock geology and a new version of the surface geology map. The map was produced using U.S. Geological Survey (USGS) guidelines and standards.

**Structural Geology**

The map shows the structural features of the deposit and includes a 3D model of the bedrock geology. The map also includes a 3D model of the surface geology which was created using airborne lidar data.

**Economic Geology**

The map includes information on the mineral resources of the deposit, including a list of the known mineral deposits and their geologic characteristics. The map also includes a map of the mineral occurrences and a map of the mineral deposits.

**References**


**Map Data**

The map data was produced by the U.S. Geological Survey and the Illinois State Geological Survey. The map was updated in the late 1980s and early 1990s. The map includes a 3D model of the bedrock geology and a 3D model of the surface geology.

**Map Scale**

The map scale is 1:24,000. The map includes a 3D model of the bedrock geology and a 3D model of the surface geology.

**Map Symbols**

The map symbols include a list of the known mineral deposits and their geologic characteristics. The map also includes a map of the mineral occurrences and a map of the mineral deposits.