



# Utah's Critical Minerals



Utah is a key player in critical mineral production, and home to several of the 50 critical minerals identified by the U.S. Department of the Interior. These minerals and elements are used in various applications, including manufacturing and medical industries and as resources for electrical generation.

Utah's Bingham Canyon mine, a major copper producer, started recovering tellurium as a byproduct in 2022. This mine, located in one of the most productive mining areas in the U.S., also produces platinum and palladium as byproducts. Bingham Canyon is now one of only two tellurium producers in the United States.

Utah is **one of just two states in the country that has recently produced LITHIUM** which is used in rechargeable batteries.



Several of Utah's critical minerals are used in the **nuclear power industry**, including beryllium, vanadium and zirconium.

In 2023 Utah reported an estimated mineral production value of **\$4.0 BILLION**

Utah is consistently in the top states in the country for metals mining.

Utah is the **primary global producer of BERYLLIUM** which is used in the aerospace, electronics and medical industries. Beryllium is sourced from the Spor Mountain mining district in Juab County, which is estimated to support Beryllium production for at least 75 years.



Spor Mountain Mining District near Delta

## MINERALS CURRENTLY PRODUCED IN UTAH

Beryllium  
Platinum and Palladium  
Tellurium

## PROSPECTIVE MINERALS IN UTAH

Aluminum  
Fluorspar  
Germanium and Gallium  
Indium  
Lithium  
Magnesium  
Vanadium  
Zinc

## FORMERLY PRODUCED MINERALS IN UTAH

Antimony  
Arsenic  
Barite  
Bismuth  
Manganese  
Tungsten



Learn more about the types and applications of

the critical minerals found in Utah with the Utah Geological Survey 2023 Critical Minerals Report.



*The first list of critical minerals in the United States was created during World War I. In 1917, the U.S. Geological Survey identified five key minerals - tin, nickel, platinum, nitrates, and potash - as scarce within the country and difficult to obtain due to the conflict.*