DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

TRACE ELEMENTS INVESTIGATIONS
REPORT 486

Boulder Batholith area—Includes many uranium-bearing veins principally in Clancy, Boulder, and Basin districts

Jamestown district

Front Range Mineral Belt.—Includes many uranium-bearing veins in Central City, Fall River, Quartz Hill, Lincoln, Lamartine, Dumont, Carrol, Freeland, Gold-en Gate Canyon, Ralston Creek and other districts.

Cochetopa district

Marysvale district

Thomas Range

Beaver area

Kern River area

Yellow Pine district

Wallapai district

Black Hawk district

White Signal district

EXPLANATION

CLASS OF VEIN DEPOSITS	PRODUCTION OF URANIUM ORE: None reported —	< 100 tons —	> 100 tons
Veins containing fluorite	◊ /	◊	♦
Veins in which uranium minerals are subordinate to base metal sulfide minerals.	□	◨	■
Veins in which uranium minerals are "dominant."	○	◑	●
Veins characterized by magnetite or other iron oxide minerals.	X_{Fe}		
Veins dominated by thorium or rare earths minerals.	X_{Th}		
Veins containing brannerite and quartz or other silica minerals.	X_{br}		
Veins containing uraniferous hydrocarbons.	X_{hy}		

/ Groups of deposits are designated by a large circle enclosing the appropriate symbol, thus ◑ or thus $\otimes_{Th}$

Note: The selection of deposits of uranium minerals for inclusion on this map is arbitrary and is based on the following criteria: 1) available data indicate the deposits can be defined as veins (see page 17 of text accompanying map; 2) assays of samples indicate a uranium content in excess of 0.01 percent; 3) deposits of particular scientific interest that contain less than 0.01 percent uranium.

Compiled by G. W. Walker, 1955

PLATE I.—PRELIMINARY MAP SHOWING GEOGRAPHIC DISTRIBUTION OF URANIUM-BEARING VEINS IN THE UNITED STATES

0 50 100 150 200 Miles

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