



**EXPLANATION**

--- Approximate top of the Brushy Basin Member of the Jurassic Morrison Formation

--- Jmb --- Approximate contact between Brushy Basin (Jmb) and the Salt Wash (Jms) Members of the Jurassic Morrison Formation; also approximate base of No. 1 ore-bearing sandstone, where present

--- Approximate base of the No. 4 ore-bearing sandstone

--- Approximate base of the Salt Wash Member of the Jurassic Morrison Formation

U, upthrown side; D, downthrown side. Dashed where approximately located; dotted where concealed

Ground underlain by uranium-bearing rock. Projected to the inferred outer edges of mineralized layers, some of which overlap and are not connected between adjacent drill holes. Includes ore-bearing blocks where shown

Mine or prospect in mineralized ground

Coordinate lines, U.S. Geological Survey system

1 Land section corner found in field and located by plane-table survey methods; other corners located approximately

5 Land section number

Figure 8.

Outline of areas shown on Figures 7 and 8

Diamond-drill holes and wagon-drill holes, U.S. Geological Survey, 1951-54. Classification by grade (based on chemical assay or gamma-ray data) and thickness. Drill holes located by tape and compass survey methods. Numbers on diamond-drill hole standpipes and stakes in field have prefix YC; numbers on wagon-drill hole standpipes and stakes in field have prefix WY. All drilling was done on claimed ground. No accurate map of claims available.

144 Barron

789 Weakly mineralized. Contains less than 0.10 percent U<sub>3</sub>O<sub>8</sub> and 1.0 percent V<sub>2</sub>O<sub>5</sub> but 0.020 percent or more U<sub>3</sub>O<sub>8</sub> or 0.10 percent or more V<sub>2</sub>O<sub>5</sub> by chemical assay, or registers gamma-ray values within the range from 0.020 percent to 0.099 percent eU<sub>3</sub>O<sub>8</sub> or less than 1 foot thick if higher grade

989 Ore bearing. Contains 0.10 percent or more U<sub>3</sub>O<sub>8</sub> or 1.0 percent or more V<sub>2</sub>O<sub>5</sub> by chemical assay, or registers gamma-ray values of 0.10 percent or more eU<sub>3</sub>O<sub>8</sub>, and 1 foot or more thick

500 0 2000 FEET  
Contour interval 20 feet  
Datum is assumed

Geology by W. L. Stokes and others, 1943-44, 1951-54.  
Surveying by C. M. Brown, C. Duran, and others, 1949-54.

Figure 4.--MAP OF THE WESTERN PART OF THE YELLOW CAT AREA, THOMPSON DISTRICT, GRAND COUNTY, UTAH.