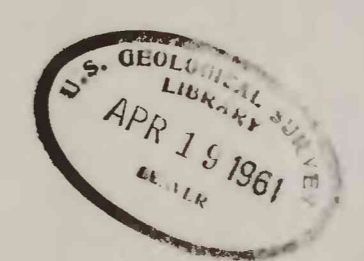


EXPLANATION

- Ground underlain by carnotite-bearing rock in the No. 4 sandstone projected to inferred outer edges of mineralized layers
- Areas of No. 4 sandstone determined as favorable for carnotite deposits on the basis of geologic criteria
- Areas of No. 4 sandstone determined as favorable for carnotite deposits on the basis of gamma-ray data (areas having 150 or more gamma-ray counts per minute at the contact between the ore-bearing sandstone and the basal mudstone)
- Mine location in the No. 4 sandstone
- Contour of gamma-ray counts per minute
- Diamond- and wagon-drill holes (holes showing the symbol B were drilled to test gamma-ray data)
- Barren
- Weakly mineralized (contains less than 0.10% U₃O₈ or 1.0% V₂O₅ but 0.020% or more U₃O₈ or 0.10% or more V₂O₅ by chemical assay or registers gamma-ray values within the range from 0.020% to 0.099% U₃O₈, or less than 1 foot thick if higher grade)
- Ore-bearing (contains 0.10% or more U₃O₈ or 1.0% or more V₂O₅ by chemical assay or registers gamma-ray values of 0.10% or more U₃O₈ and 1 foot or more thick)



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(300)
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FIGURE 19.
MAP OF WESTERN PART OF YELLOW CAT AREA, GRAND COUNTY, UTAH, SHOWING AREAS OF NO. 4 SANDSTONES FAVORABLE FOR CARNOTITE DEPOSITS AS DETERMINED BY GEOLOGIC AND GAMMA-RAY DATA

500 0 500 1000 1500 2000 feet

Contour interval 50 gamma-ray counts per minute

PLEASE RETURN TO POKET
IN BACK OF SOUND VOLUME.

U. S. Geological Survey
OPEN FILE REPORT
This map or illustration is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

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