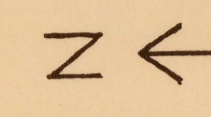


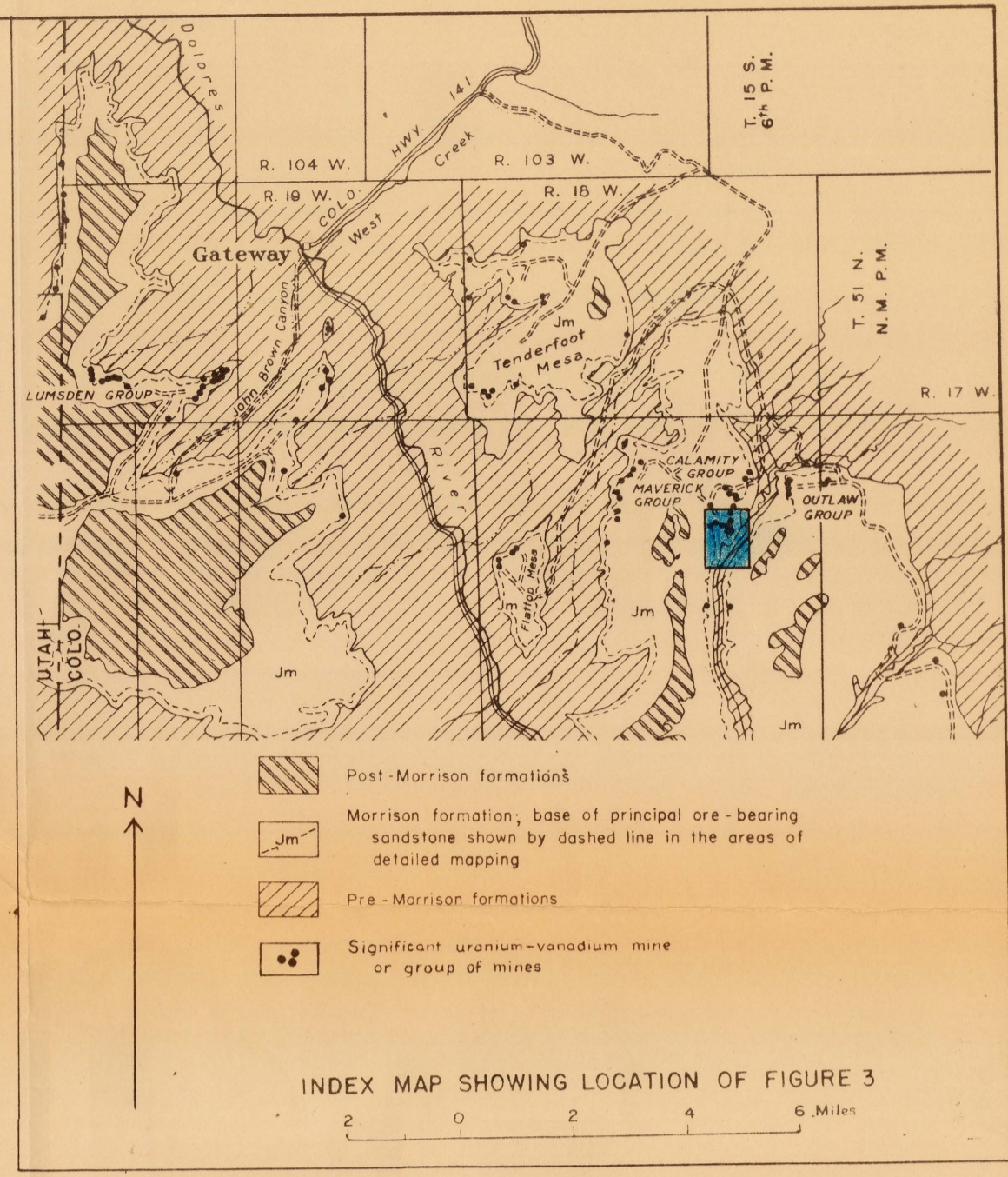


- CLAIM INDEX**
- NEW EMPIRE
 - CALAMITY NO. 6
 - CALAMITY NO. 20
 - CALAMITY NO. 27
 - CALAMITY NO. 22
 - CALAMITY NO. 2
 - CALAMITY NO. 21
 - CALAMITY NO. 5
 - DIXIE
 - CALAMITY NO. 11
 - TRIANGLE
 - CALAMITY NO. 1
 - CALAMITY NO. 3
 - CALAMITY NO. 10
 - BLINDER
 - LUCKY BOY
 - CALAMITY NO. 26
 - CALAMITY NO. 25



600 FEET
 Contour interval 10 feet
 Datum is mean sea level

Geology by H. K. Slager
 Engineering by J. I. Schumacher



EXPLANATION

- Favorability boundary in areas underlain by ore-bearing sandstone
- Axis of fossil lag, roll, or well-defined elongate ore body
- Approximate base of ore-bearing sandstone
- Approximate top of ore-bearing sandstone
- Block 8: Ground underlain by carnotite-bearing rock, projected to the inferred outer edges of mineralized layers, some of which overlap and are not connected between adjacent holes; includes reserve blocks where shown
- Area intensively drilled by mining companies, (Radium Co. of Colorado, 1921-1922 and U.S. Vanadium Co., 1950)
- Incline shaft and mine workings, (approximate outline)
- Mine shaft
- Mine dump (approximate outline)
- Claim stake or monument found in the field
- Land section corner found in the field
- Co-ordinate lines, based on U.S. Atomic Energy Commission co-ordinate system
- Diamond-drill holes, U.S. Geological Survey
 Classification based on chemical assays and radiometric logs
 Numbers on caps of standpipes left in holes all have prefix CA
- Barren (contains no significant content of U₃O₈ and V₂O₅ by chemical assay, and registers no gamma-ray value as great as 0.05% eU₃O₈)
- Weakly mineralized (contains less than 0.10% U₃O₈ and 1.0% V₂O₅ by chemical assay, or registers gamma-ray values within the range from 0.05% to 0.09% eU₃O₈, or less than 1 foot thick, regardless of chemical or gamma-ray values)
- Ore-bearing (contains 0.1% or more U₃O₈ or 1.0% or more V₂O₅ by chemical assay, or registers gamma-ray values greater than 0.09% eU₃O₈, and 1 foot or more thick)
- Diamond-drill holes, U.S. Bureau of Mines
- Barren
- Weakly mineralized (less than 0.10% U₃O₈ and 1.0% V₂O₅ or less than 1 foot thick regardless of grade)
- Ore-bearing (0.10% or more U₃O₈, or 1.0% or more V₂O₅ and 1 foot or more thick)
- Diamond-drill holes are located by plane-table or tape and compass methods

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 GEOLOGICAL SURVEY
 TRACE ELEMENTS INVESTIGATIONS REPORT I46

CARNOTITE RESOURCES OF THE CALAMITY GROUP AREA, MESA COUNTY, COLORADO
 April 1951

Figure 3.-- Map of the southern part of the Calamity group area, Mesa County, Colorado