

GEOLOGIC SECTION A-A' (GENERALIZED)

EXPLANATION
(GEOLOGIC SECTION)

- MUDSTONE AND FINE-GRAINED SANDSTONE
- ORE-BEARING SANDSTONE
NUMBER INDICATES STRATIGRAPHIC POSITION
- URANIUM-BEARING ROCK

500 0 2000 FEET
HORIZONTAL SCALE

200 0 800 FEET
VERTICAL SCALE
DATUM IS ASSUMED

MAP EXPLANATION 67-158

- Approximate top of the Brushy Basin Member of the Jurassic Morrison Formation
- 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
- Fault, showing dip
U, upthrown side; D, downthrown side. Dashed where approximately located; dotted where concealed
- Strike and dip of beds
- Ground underlain by favorable part of No. 1 ore-bearing sandstone, Brushy Basin Member
- Ground underlain by favorable part of No. 2 ore-bearing sandstone, top sandstone in Salt Wash Member
- Ground underlain by favorable part of No. 3 ore-bearing sandstone, second sandstone in Salt Wash Member
- Ground underlain by favorable part of No. 4 ore-bearing sandstone, third sandstone in Salt Wash Member
- 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
- Land section corner found in field and located by plane-table survey methods; other corners located approximately

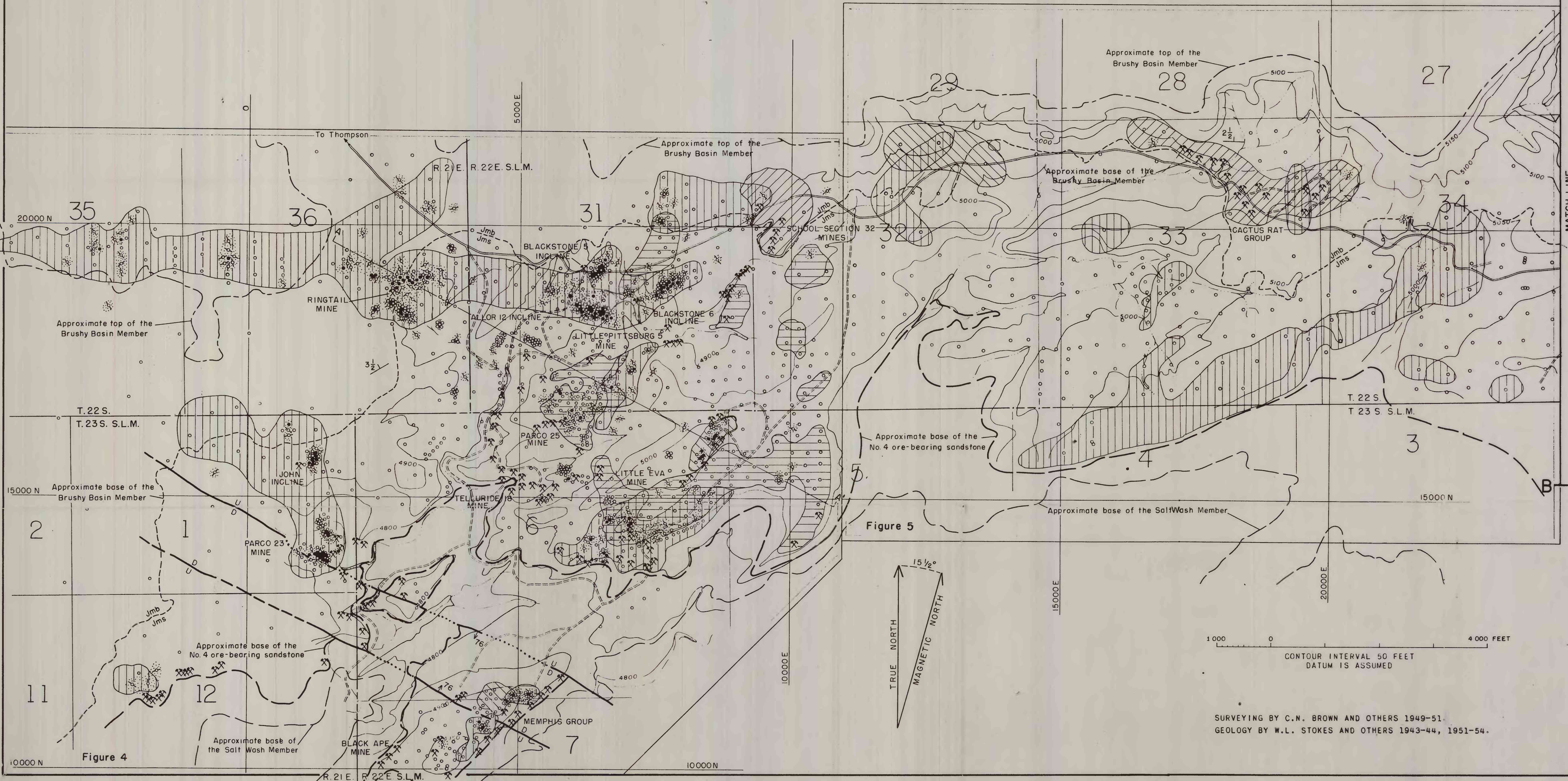


Figure 5

32
Land section number

Figure 4

- Outline of areas shown on Figures 4 and 5
- 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 WYC
- Barren
- Weakly mineralized
Contains less than 0.10 percent U_3O_8 and 1.0 percent V_2O_5 , but 0.020 percent or more U_3O_8 or 0.10 percent or more V_2O_5 by chemical assay, or registers gamma-ray values within the range from 0.020 percent to 0.099 percent eU_3O_8 or less than 1 foot thick if higher grade
- Ore-bearing
Contains 0.10 percent or more U_3O_8 or 1.0 percent or more V_2O_5 by chemical assay, or registers gamma-ray values of 0.10 percent or more eU_3O_8 and 1 foot or more thick

1000 0 4000 FEET
CONTOUR INTERVAL 50 FEET
DATUM IS ASSUMED

SURVEYING BY C.N. BROWN AND OTHERS 1949-51.
GEOLOGY BY W.L. STOKES AND OTHERS 1943-44, 1951-54.

Figure 2--GEOLOGIC MAP OF THE WESTERN AND CENTRAL PARTS OF THE YELLOW CAT AREA, THOMPSON DISTRICT, GRAND COUNTY, UTAH.