

E X P L A N A T I O N

(MAP)

Ground underlain by uranium-bearing rock, found by U.S. Geological Survey drilling. 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.

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. Wagon-drill numbers have prefix W on map.

**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.

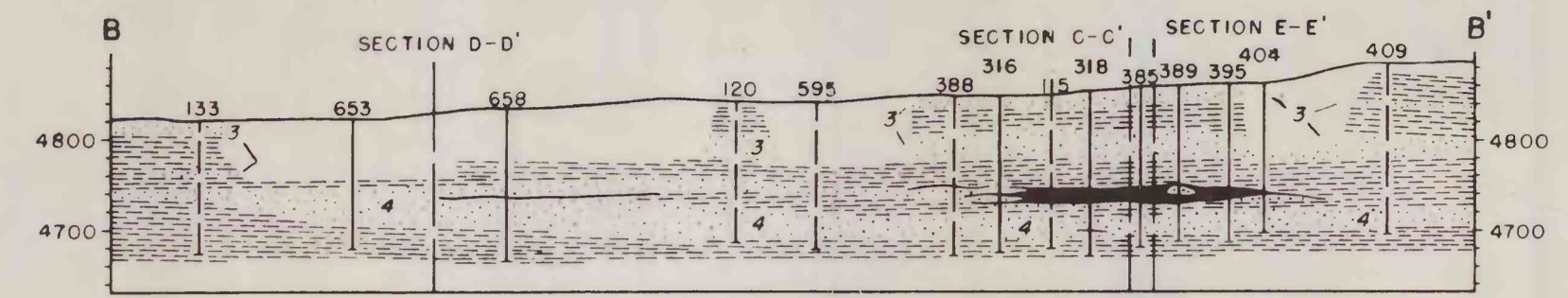
(GEOLOGIC SECTIONS)

- Mudstone and fine-grained sandstone
  - Ore-bearing sandstone  
Number indicates stratigraphic position
  - Uranium-bearing rock
- Diamond-drill holes and wagon-drill holes, U.S. Geological Survey, 1951-54. Dashed where projected into section. Prefix W indicates wagon-drill hole. Where no rock symbol is shown, no core or sample was taken.

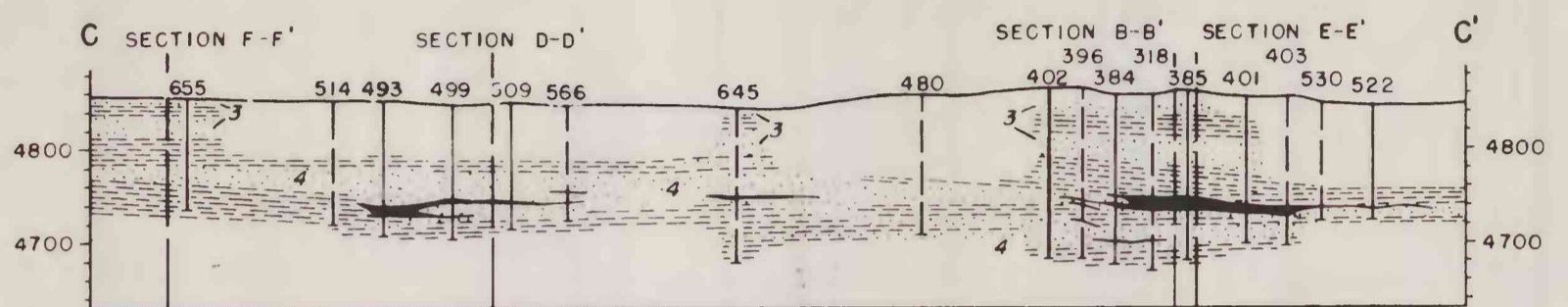
(FOR MAP AND GEOLOGIC SECTIONS)

Horizontal and vertical scale  
Datum is mean sea level

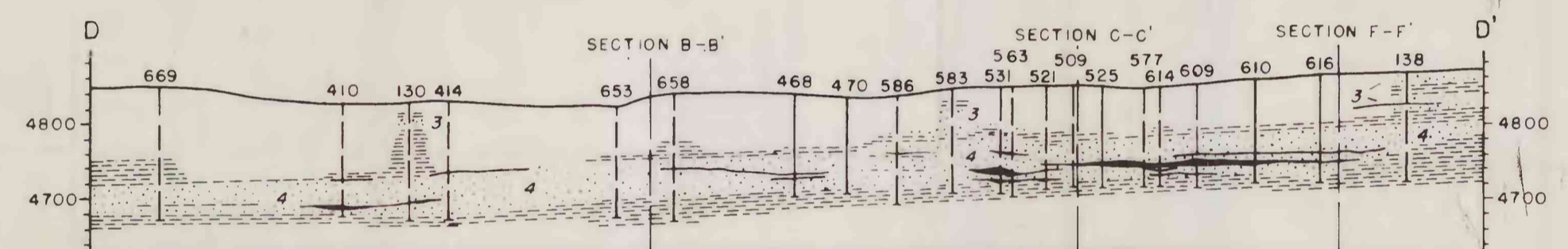
Geology by C. M. Mobley and E. S. Santos  
Surveying by C. M. Mobley and V. T. Dow



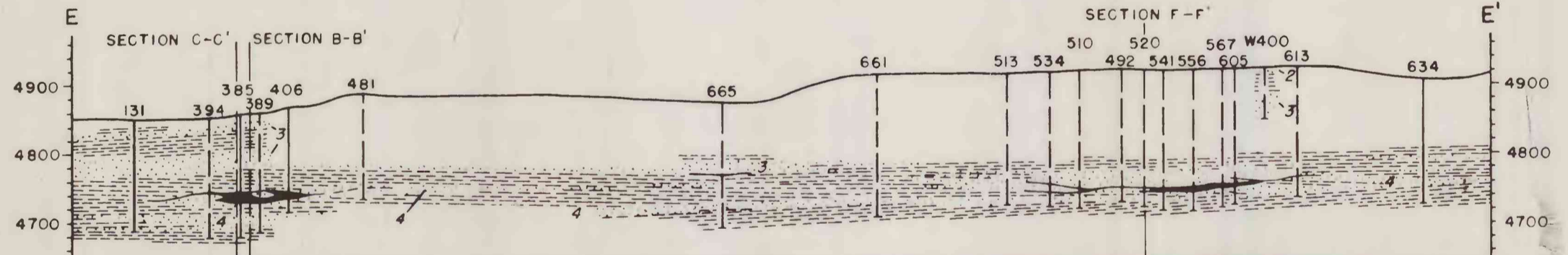
GEOLOGIC SECTION B-B'



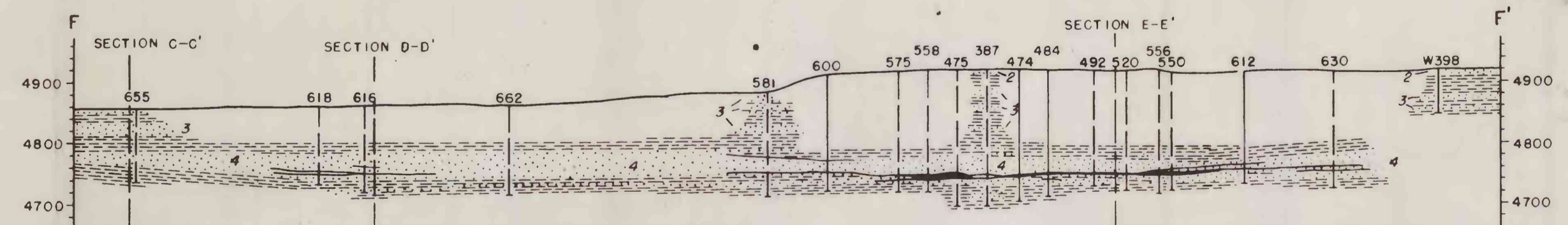
GEOLOGIC SECTION C-C'



GEOLOGIC SECTION D-D'



GEOLOGIC SECTION E-E'



GEOLOGIC SECTION F-F'

Figure 7.--MAP AND GEOLOGIC SECTIONS OF ORE-BEARING BLOCKS B, C, AND D, YELLOW CAT AREA, THOMPSON DISTRICT, GRAND COUNTY, UTAH