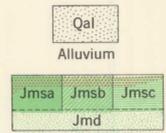


EXPLANATION



Morrison formation
Rocks younger than Salt Wash member of the Morrison not shown; dashed line shows base of principal ore-bearing sandstone stratum of the Salt Wash member in areas of detailed mapping; Jmsa, light-brown ore-bearing sandstone underlain by mudstone altered to greenish gray for as much as 5 feet below contact; Jmsb, mottled red and light-brown ore-bearing sandstone underlain by mudstone altered in places to greenish gray for as much as 6 inches below contact; Jmsc, reddish-brown barren sandstone underlain by unaltered mudstone except within 300 feet of ore deposits on Beaver and Flattop Mesas; Jmd, Morrison formation, undifferentiated. Dominantly lenticular ore-bearing sandstone shown by red stipple pattern. Data based on drilling records and outcrop measurements

Pre-Morrison formations

Contact

Fault, dashed where approximately located
U, upthrown side, D, downthrown side

Axis of anticline

Axis of syncline, showing direction of plunge

Strike and dip of beds

Sedimentary structure trend of prominent sandstone lenses in upper sandstone stratum of Salt Wash member of the Morrison formation

Structure contours drawn on top of Entrada sandstone
Datum is mean sea level. Data from U.S.G.S. geologic quadrangle maps in preparation. Contour interval 100 feet

440 BB
Outcrop thickness of the Brushy Basin member of the Morrison formation

360 SW
Outcrop thickness of the Salt Wash member of the Morrison formation

Disseminated carnitite deposits or groups of deposits

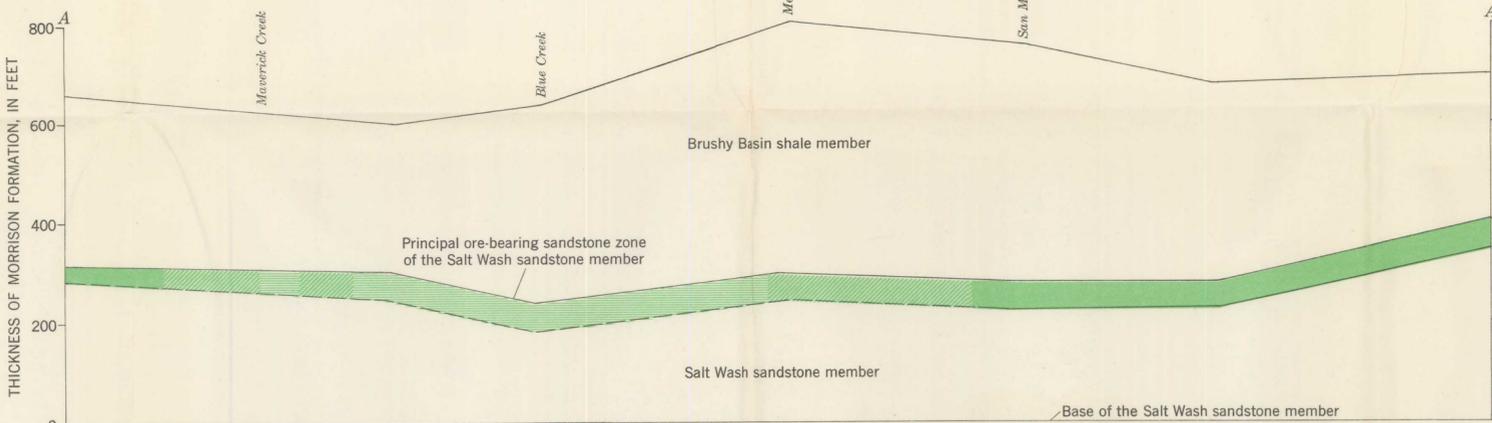
Copper-uranium-vanadium deposit on group of deposits controlled by fracture or fault

Vein copper deposit

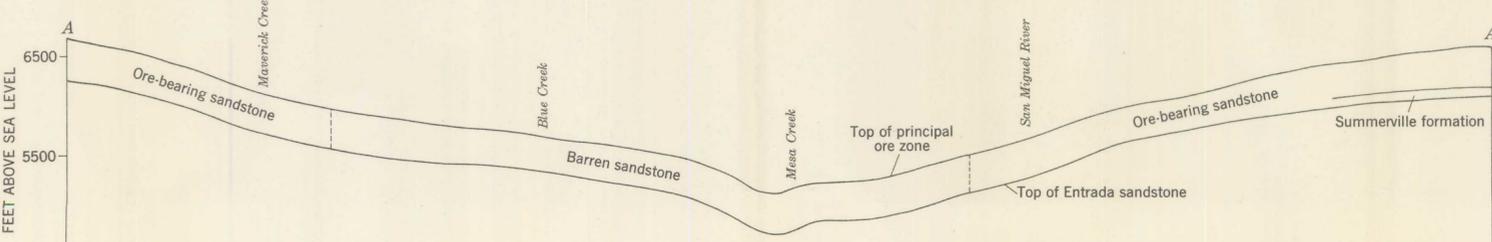
Boundary of Uraivan mineral belt

Approximate boundary of area favorable for uranium deposits

QUATERNARY
JURASSIC OR OLDER



RESTORED DIAGRAMMATIC SECTION OF MORRISON FORMATION ALONG A-A', SHOWING THICKNESS AND COLOR OF THE PRINCIPAL ORE-BEARING SANDSTONE ZONE AND THE UNDERLYING MUDSTONE



GENERALIZED GEOLOGIC SECTION ALONG A-A', SHOWING RELATION OF THE ORE-BEARING MORRISON FORMATION TO TERTIARY STRUCTURE

GEOLOGIC MAP SHOWING TERTIARY STRUCTURES AND BELTS OF FAVORABLE GROUND IN THE URAIVAN AND GATEWAY DISTRICTS, COLORADO AND UTAH

