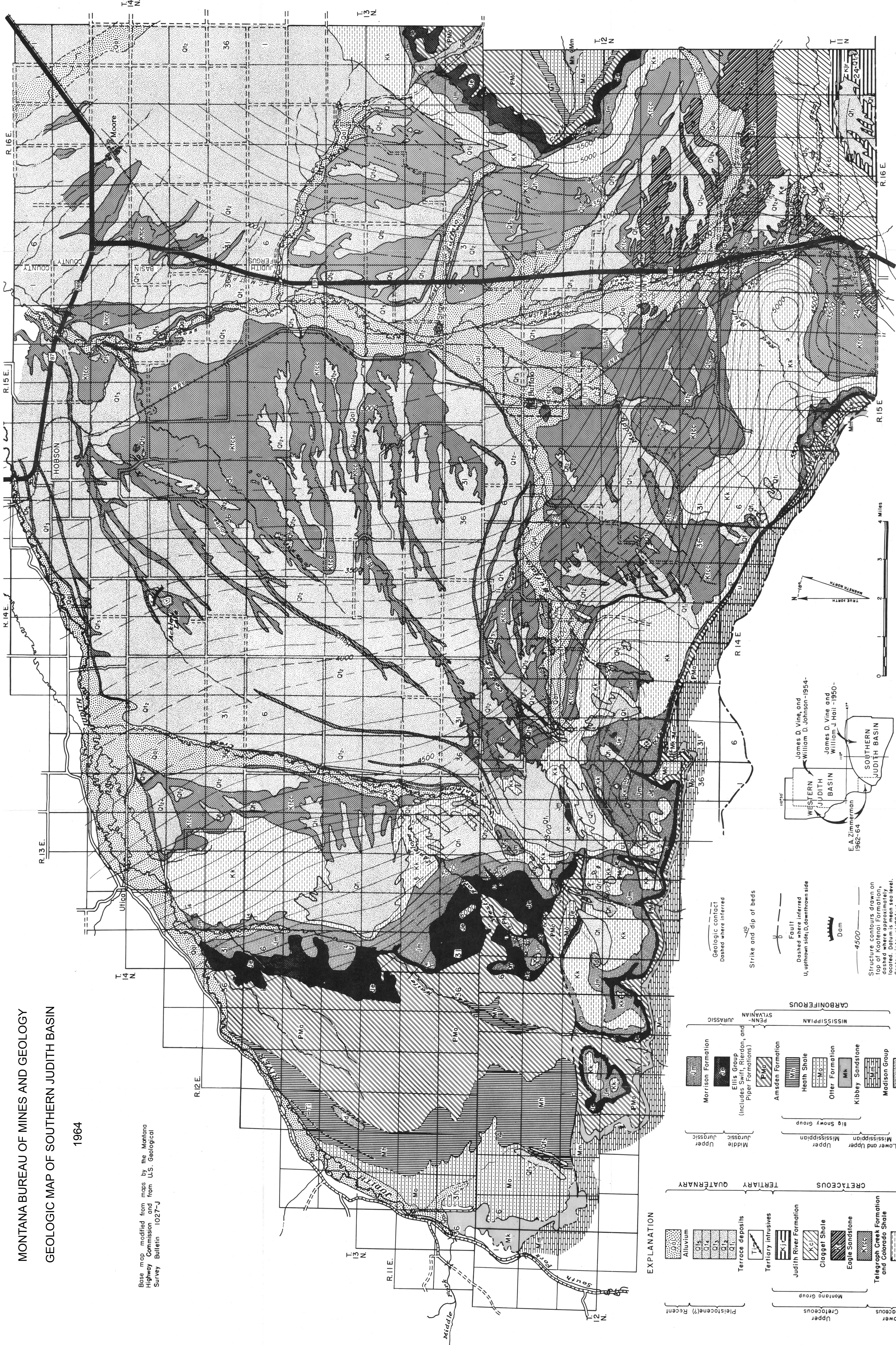


MONTANA BUREAU OF MINES AND GEOLOGY  
 GEOLOGIC MAP OF SOUTHERN JUDITH BASIN

1964

Base map modified from maps by the Montana Highway Commission and from U.S. Geological Survey Bulletin 1027-J



**EXPLANATION**

	Alluvium		Judith River Formation
	Terrace deposits		Clagget Shale
	Tertiary intrusives		Eagle Sandstone
	Kootenai Formation		Telegraph Creek Formation and Colorado Shale
			Morrison Formation
			Elletts Group (includes Swift, Rierdon, and Piper Formations)
			Amsden Formation
			Heath Shale
			Otter Formation
			Kibbey Sandstone
			Madison Group
			Landslide deposits

**Geologic contact dashed where inferred**

**Strike and dip of beds**

**Fault**

**Dashed where inferred**

**Dam**

**4500**

**Structure contours drawn on datum, dashed where approximate, located where appropriate. Datum is mean sea level. Contour interval 100 feet.**

**WESTERN JUDITH BASIN**  
 James D. Vine and William D. Johnson - 1954

**SOUTHERN JUDITH BASIN**  
 James D. Vine and William D. Johnson - 1950  
 E.A. Zimmerman 1962-64