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DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

TRACE ELEMENTS INVESTIGATIONS
REPORT 302

INDEX SHOWING RELATIVE LOCATIONS OF MAPPED AREAS

A, Plate 2.
B, Plate 4.
C, Plate 5
D, Plate 6.
E, Plate 7.

Surface traverse
Arrows show direction of traverse

X .004 percent eU of isolated surface sample

Rate meter readings on surface
expressed in thousandths Mr/Hr.
10-18, 14; .006, 003
Minimum - maximum, average; %eU, %U
Readings on a Scintillation model SM-3A counter

Rate meter readings in trenches
expressed in hundredths Mr/Hr.
5-9, 6; .003, 001
Minimum - maximum, average; %eU, %U
Readings on a Nuclear field counter
Only anomalous readings above background are shown in trenches.

(5) location of readings taken in trench 13.

EXPLANATION

Contours from plane table mapping, topographic form lines from uncontrolled aerial photographs. Only the major areas of Quaternary alluvial and terrace deposits are shown on this map. Most of the mapped area, shown here as Tertiary bedrock, is actually covered by a persistent but relatively thin layer of Quaternary deposits.

Pleistocene(?) and Recent	Qal	QUATERNARY
	Alluvium, alluvium, and terrace deposits	
	UNCONFORMITY	
Miocene	Tm	TERTIARY
	Tuffaceous sandstones	
	UNCONFORMITY	
Eocene	Tb	
	Bridger formation	
	Tgm	
	Twc	
	Tgw	

Green River and Wasatch formations
Tgm, *Morrow Creek member of Green River formation*; Twc, *Cathedral Bluffs tongue of Wasatch formation*; Tgw, *undifferentiated, complexly intertongued Tipton tongue of Green River formation and Hiawatha member of Wasatch formation (Nightingale, 1930).*

Contact
Dashed where approximately located, dotted where concealed

Fault
Dashed where inferred, dotted where concealed

Syncline
Showing trace of axial plane

Strike and dip of beds

Area known to contain schrockingerite deposits; boundary approximately located

Trench 6
United States Geological Survey exploratory trench number 6

Fault in section showing relative movement

PLATE 26.– GEOLOGIC MAP SHOWING RADIOACTIVITY DATA IN THE LOST CREEK AREA, SWEETWATER COUNTY, WYOMING

Scale 1:9600
800 400 0 800 1600 2400 3200 4000 Feet
Contour interval 10 feet
Datum is approximate mean sea level

Geology and topography by D.M. Sheridan, C.H. Maxwell, J.T. Collier, and L.R. Page – 1952. Radioactivity data by E.P. Beroni, C.H. Maxwell, and J.W. Collier, 1952.

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