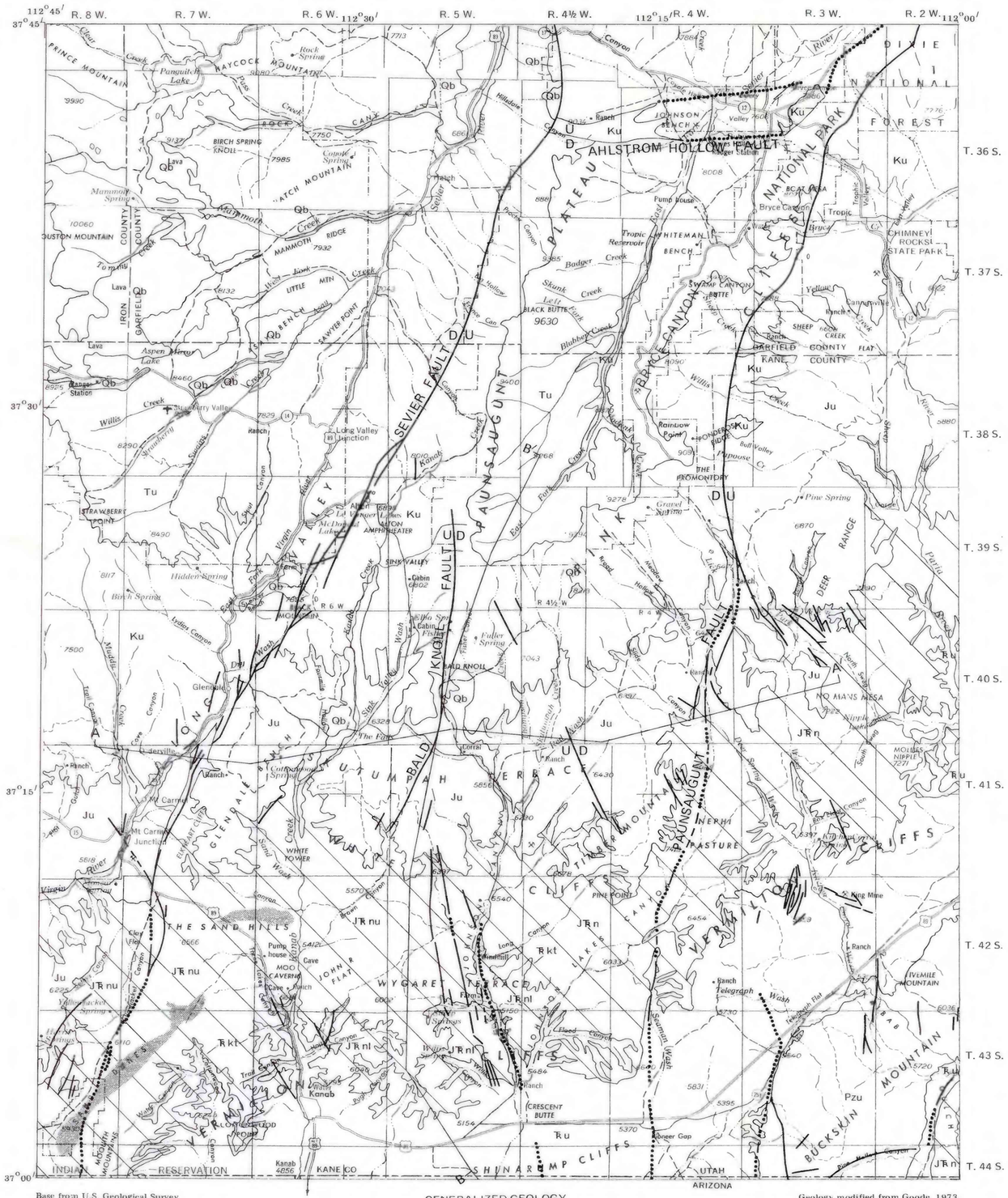
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the
UTAH DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WATER-RESOURCES INVESTIGATIONS REPORT 88-4040
1988
PLATE 1



Base from U.S. Geological Survey
1:250,000 Cedar City quadrangle

GENERALIZED GEOLOGY

Geology modified from Goode, 1973, Gregory, 1951, Hintze, 1963, and Sargent and Philpott, 1985

5 0 5 10 MILES
5 0 5 10 KILOMETERS

REGIONAL GEOLOGY

Qb	Quaternary basalt	
	Quaternary sand-dune deposits	
Tu	Tertiary formations undivided	
Ku	Cretaceous formations undivided	
Ju	Jurassic formations undivided. Includes Carmel Formation	
JTRnu	Unnamed upper member of the Navajo Sandstone	Navajo Sandstone
TRkt / JTRn	Tenney Canyon Tongue of the Kayenta Formation	Navajo Sandstone
JTRnl	Lamb Point Tongue of the Navajo Sandstone	Navajo Sandstone
TRu	Triassic formations undivided	
Pzu	Paleozoic formations undivided	

CONTACT

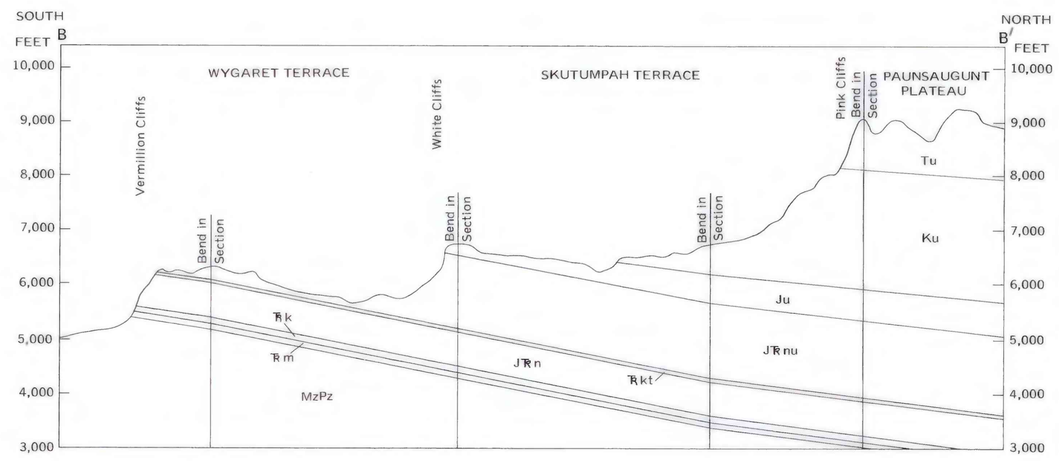
FAULT—Dashed where inferred, dotted where concealed: U, upthrown; D, downthrown

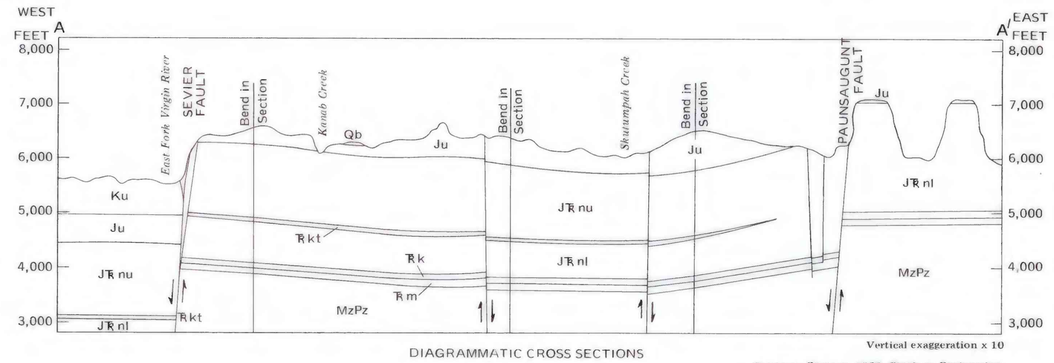
A A′ LINE OF SECTION

STRATIGRAPHY AND STRUCTURE

Qb	Quarternary basalt
Tu	Tertiary formations, undivided. Includes Wasatch Formation
Ku	Cretaceous formations, undivided. Includes (descending) Kaiparowits Formation, Wahweap Sandstone, Straight Cliffs Sandstone, Tropic Shale, and Dakota Sandstone
Ju	Jurassic formations undivided. Includes Carmel Formation
JTRn	Navajo Sandstone
JTRnu	Unnamed upper member of the Navajo Sandstone
JTRnl	Lamb Point Tongue of the Navajo Sandstone
TRK	Kayenta Formation
TRKt	Tenney Canyon Tongue of the Kayenta Formation
TRm	Moenave Formation
MzPz	Older Mesozoic and Paleozoic formations undivided

FAULT—On cross sections arrows indicate direction of movement





Vertical exaggeration x 10

DIAGRAMMATIC CROSS SECTIONS

Sources: Gregory, 1952, Bingham Engineering, 1987, and Goode, 1964

GENERALIZED GEOLOGY, STRATIGRAPHY, AND REGIONAL STRUCTURE IN WESTERN KANE, SOUTHWESTERN GARFIELD, AND SOUTHEASTERN IRON COUNTIES, UTAH