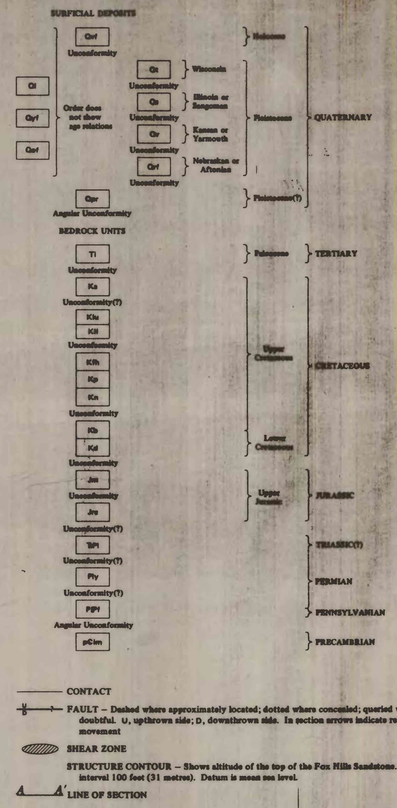
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Prepared in cooperation with the
U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

WATER-RESOURCES INVESTIGATIONS 76-105
PLATE 1

Modified from Hubbs, 1955; Sheridan, Maxwell, and Albee, 1967; Spencer, 1961; Van Horn, 1972; and Wells, 1967

CORRELATION OF MAP UNITS



CONTACT

FAULT – Dashed where approximately located; dotted where concealed; queried where doubtful. U, upthrown side; D, downthrown side. In section arrows indicate relative movement

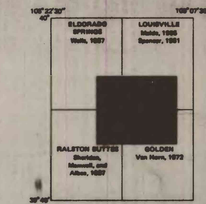
SHEAR ZONE

STRUCTURE CONTOUR – Shows altitude of the top of the Fox Hills Sandstone. Contour interval 100 feet (31 metres). Datum is mean sea level.

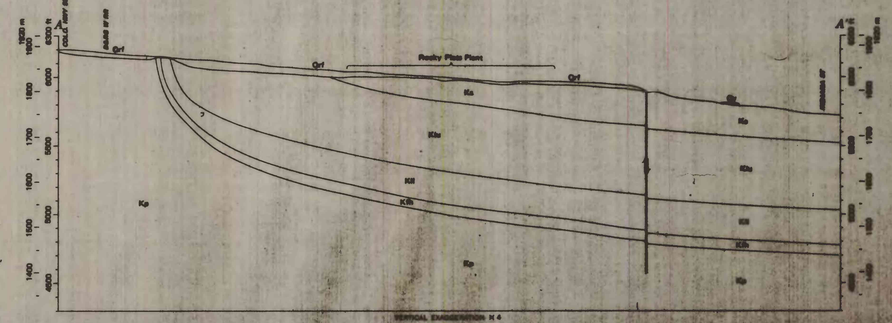
A A' LINE OF SECTION

LIST OF MAP UNITS

Qrf	VALLEY-FILL ALLUVIUM (HOLOCENE)
Qt	TERRACE ALLUVIUM (PLEISTOCENE)
Qs	SLOCUM ALLUVIUM (PLEISTOCENE)
Qr	VERDOS ALLUVIUM (PLEISTOCENE)
Qrf	ROCKY FLATS ALLUVIUM (PLEISTOCENE)
Ql	LANDSLIDE DEPOSIT (HOLOCENE OR PLEISTOCENE)
Qyf	YOUNGER ALLUVIAL FAN (HOLOCENE OR PLEISTOCENE)
Qof	OLDER ALLUVIAL FAN (HOLOCENE OR PLEISTOCENE)
Qpr	PRE-ROCKY FLATS ALLUVIUM (PLEISTOCENE?)
Ti	INTRUSIVE MAFIC MONZONITE (PALEOCENE)
Ka	ARAPAHOE FORMATION (UPPER CRETACEOUS)
	LARAMIE FORMATION (UPPER CRETACEOUS)
Klu	Upper shale unit
Kll	Lower sandstone unit
Kfh	FOX HILLS SANDSTONE (UPPER CRETACEOUS)
Kp	PIERRE SHALE (UPPER CRETACEOUS)
Kn	NIOBRARA FORMATION (UPPER CRETACEOUS)
Kb	BENTON SHALE (UPPER AND LOWER CRETACEOUS)
Kd	DAKOTA GROUP (LOWER CRETACEOUS)
Jm	MORRISON FORMATION (UPPER JURASSIC)
Jrc	RALSTON CREEK FORMATION (UPPER JURASSIC)
TRl	LYKINS FORMATION (TRIASSIC? AND PERMIAN)
Pfy	LYONS SANDSTONE (PERMIAN)
PIPf	FOUNTAIN FORMATION (PERMIAN AND PENNSYLVANIAN)
pCim	IGNEOUS AND METAMORPHIC ROCKS (PRECAMBRIAN)



GEOLOGICAL SOURCE INDEX SHOWING STUDY AREA (SHADED) AND U.S. GEOLOGICAL SURVEY MAPS OR REPORTS FOR INDICATED QUADRANGLES



GEOLOGIC MAP OF THE ROCKY FLATS AREA, JEFFERSON AND BOULDER COUNTIES, COLORADO