

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
MISCELLANEOUS INVESTIGATIONS SERIES I-856-H
Version 1.1

GEOLOGIC MAP OF THE GREATER DENVER AREA, FRONT RANGE URBAN
CORRIDOR, COLORADO

By

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Universal Transverse Mercator projection, zone 13, 1927 North American Datum

Geology compiled in 1973—1977; GIS database by Theodore R. Brandt, David
W. Moore, and Kyle E. Murray; Digital Cartography by Theodore R. Brandt

DESCRIPTION OF MAP UNITS

POST-PINEY CREEK AND PINEY CREEK ALLUVIUM (UPPER HOLOCENE)

COLLUVIUM (UPPER HOLOCENE)

LANDSLIDE DEPOSITS (HOLOCENE TO MIDDLE? PLEISTOCENE)

WINDBLOWN SAND (LOWER HOLOCENE TO UPPER PLEISTOCENE)

BROADWAY ALLUVIUM (UPPER PLEISTOCENE)

LOESS (UPPER PLEISTOCENE)

LOUVIERS ALLUVIUM (UPPER PLEISTOCENE)

SLOCUM ALLUVIUM (PLEISTOCENE)

VERDOS ALLUVIUM (PLEISTOCENE)

ROCKY FLATS ALLUVIUM (PLEISTOCENE)

NUSSBAUM ALLUVIUM (PLEISTOCENE)

HIGH-LEVEL GRAVEL DEPOSITS (PLIOCENE TO OLIGOCENE)

CASTLE ROCK CONGLOMERATE (LOWER OLIGOCENE)

WALL MOUNTAIN TUFF (LOWER OLIGOCENE)

GREEN MOUNTAIN CONGLOMERATE (PALEOCENE)

DAWSON AND ARAPAHOE FORMATIONS (PALEOCENE TO UPPER CRETACEOUS)

DENVER FORMATION (PALEOCENE AND UPPER CRETACEOUS)

SHOSHONITE (LOWER PALEOCENE)

LARAMIE FORMATION (UPPER CRETACEOUS)

FOX HILLS SANDSTONE (UPPER CRETACEOUS)

PIERRE SHALE (UPPER CRETACEOUS)

NIOBRARA FORMATION (UPPER CRETACEOUS)

CARLILE SHALE, GREENHORN LIMESTONE, AND GRANEROS SHALE (BENTON GROUP), UNDIFFERENTIATED (UPPER CRETACEOUS)

DAKOTA GROUP (LOWER CRETACEOUS)

MORRISON AND RALSTON CREEK FORMATIONS (UPPER JURASSIC)

MORRISON, RALSTON CREEK, AND LYKINS FORMATIONS, UNDIFFERENTIATED (UPPER JURASSIC TO UPPER PERMIAN)

LYKINS FORMATION (LOWER TRIASSIC AND UPPER PERMIAN)

LYONS SANDSTONE (PERMIAN)

LYONS SANDSTONE AND FOUNTAIN FORMATION, UNDIFFERENTIATED

FOUNTAIN FORMATION (LOWER PERMIAN TO MIDDLE PENNSYLVANIAN)

UNNAMED ROCKS (CAMBRIAN)

PIKES PEAK GRANITE (PRECAMBRIAN Y)

PEGMATITE (PRECAMBRIAN Y AND X)

SILVER PLUME QUARTZ MONZONITE (PRECAMBRIAN Y)

QUARTZ MONZONITE (PRECAMBRIAN X)

BOULDER CREEK GRANODIORITE (PRECAMBRIAN X)

QUARTZITE (PRECAMBRIAN X)

SCHIST (PRECAMBRIAN X)

GNEISS (PRECAMBRIAN X)

FELSIC GNEISS (PRECAMBRIAN X)

AMPHIBOLITE, HORNBLENDITE, AND RELATED ROCKS (PRECAMBRIAN X)

CONTACT

FAULT OR FRACTURE—Dotted where concealed

THRUST FAULT—Dotted where concealed. Teeth on upper plate

FAULT ZONE—Zone of intense fault brecciation, usually associated with numerous en echelon faults