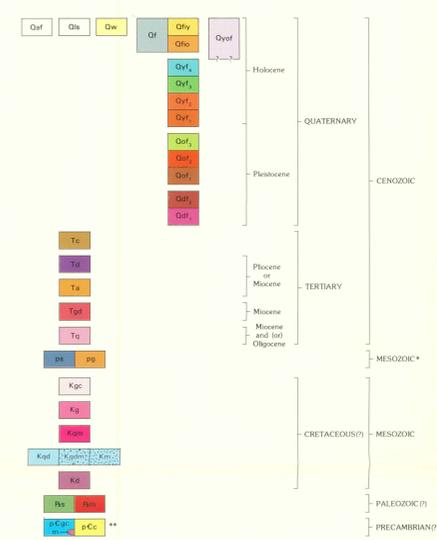


CORRELATION OF MAP UNITS



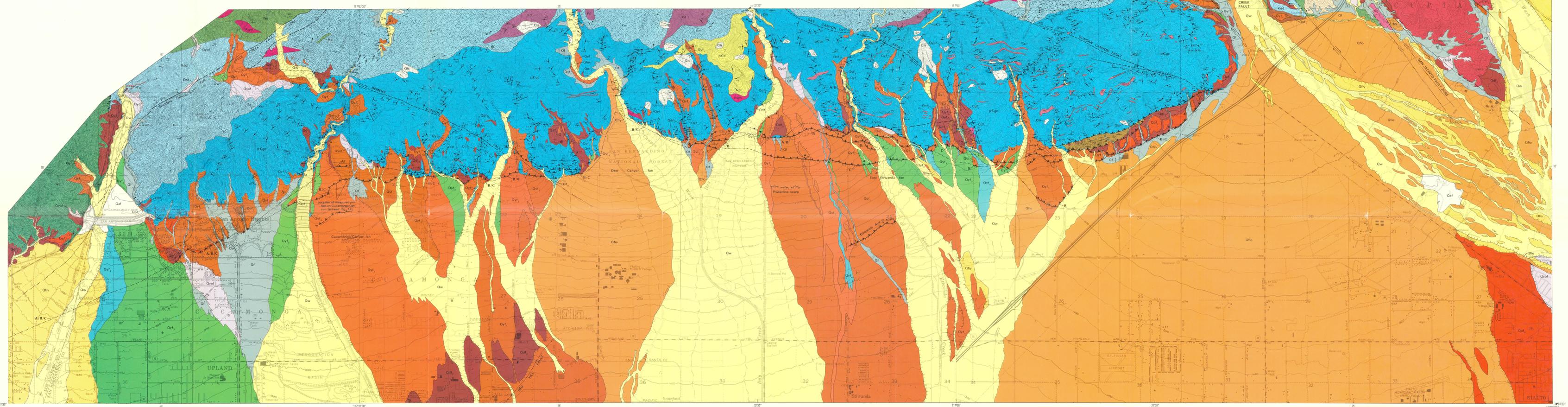
** See Description of Map Units

DESCRIPTION OF MAP UNITS

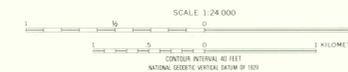
- ARTIFICIAL CUT AND (OR) FILL (HOLOCENE)**
- LANDSLIDE DEPOSITS (HOLOCENE)**
- ALLUVIUM OF ACTIVE CHANNELS AND WASHES (HOLOCENE)**
- DEPOSITS OF MODERN ALLUVIAL FANS (HOLOCENE)**—Surfaces undissected. Includes:
 - Younger intermittently active deposits entrained by high-water stream flows.
 - Older intermittently active deposits that recently have been abandoned by active stream flows or are entrained only by the highest flood waters.
- DEPOSITS OF YOUNGER ALLUVIAL FANS (HOLOCENE)**—Surfaces abandoned by active stream flows; slightly dissected
- DEPOSITS OF YOUNGER ALLUVIAL FANS (HOLOCENE AND PLEISTOCENE)**—Surfaces slightly to moderately dissected. Includes:
 - Alluvial-fan deposits with slightly dissected surfaces and stage S7 soils (Holocene)
 - Alluvial-fan deposits with slightly dissected surfaces and stage S6 or weak stage S5 soils (Holocene)
 - Alluvial-fan deposits with moderately dissected surfaces and moderate stage S5 soils (Holocene)
 - Alluvial-fan deposits with moderately dissected surfaces and well developed stage S5 soils (Holocene and latest Pleistocene)
- DEPOSITS OF OLDER ALLUVIAL FANS (PLEISTOCENE)**—Surfaces moderately to well dissected. Includes:
 - Alluvial-fan deposits with moderately dissected surfaces and stage S4 soils (late Pleistocene)
 - Alluvial-fan deposits with well dissected surfaces and stage S4 to stage S3 soils (late to middle Pleistocene)
 - Alluvial-fan deposits with well dissected surfaces and stage S3 soils (middle Pleistocene)
- DEPOSITS OF OLDER DISSECTED ALLUVIAL FANS (PLEISTOCENE)**—Surfaces extremely dissected. Includes:
 - Alluvial-fan deposits with extremely dissected surfaces and stage S2 soils (middle Pleistocene)
 - Alluvial-fan deposits with extremely dissected surfaces and stage S1 soils (middle to early Pleistocene)
- CONGLOMERATE (TERTIARY)**
- DIABASE TO GABBRO (PLIOCENE OR MIOCENE)**
- ANDESITE TO BASALT (PLIOCENE OR MIOCENE)**
- GRANODIORITE (MIOCENE)**
- QUARTZ PORPHYRY AND DACITE (MIOCENE AND (OR) OLIGOCENE)**
- PELONA SCHIST (MESOZOIC*)**
- Quartz-albite-white mica schist
- Albite-actinolite-epidote-chlorite greenschist
- CATACLASTIC LEUCOGRANITE (CRETACEOUS?)**
- LEUCOCRATIC MUSCOVITE GRANITE (CRETACEOUS?)**
- QUARTZ MONZONITE TO GRANODIORITE (CRETACEOUS?)**
- QUARTZ DIORITE (CRETACEOUS?)**
- Mylonitized quartz diorite
- Quartz diorite (Kqd) and subordinate mylonitized quartz diorite (Kqdm)
- DIORITE (CRETACEOUS?)**
- SCHIST AND GNEISS, METAQUARTZITE, AND MARBLE (PALEOZOIC?)**
- Discontinuous masses of coarse-grained marble
- GRANULITIC GNEISS AND CATACLASTIC (PRECAMBRIAN?)**—Locally includes pods of marble (m)
- CHARNOCKITE (PRECAMBRIAN?)**

* Age of protolith.
** Recent U-Pb analyses indicate age of charnockite is Cretaceous rather than Precambrian (Walker and others, 1986; see reference list in text).

- CONTACT**—Dashed where approximately located; dotted where concealed
- ALLUVIAL CONTACT**—Showing younger alluvial unit incised into older alluvial unit; hachures at base of slope, on younger unit
- FAULT**—Showing dip. Dashed where approximately located; dotted where concealed; queried where inferred; arrows indicate relative movement
- THRUST FAULT**—Showing dip. Dashed where approximately located; dotted where concealed; queried where inferred. Sawtooth on upper plate; hachures at base of slope on downthrown block of fault scarp. A, B, C, I refer to strands of Cucamonga fault zone
- FAULT ZONE**—Consists of crushed and sheared rock
- STRIKE AND DIP OF SEDIMENTARY BEDS**
- Included
- Vertical
- Horizontal
- STRIKE AND DIP OF FOLIATION IN IGNEOUS ROCKS**
- Included
- Vertical
- STRIKE AND DIP OF FOLIATION AND (OR) LAYERING IN METAMORPHIC ROCKS**
- Included
- Vertical
- BEARING AND PLUNGE OF MINOR FOLD AXIS**—In metamorphic rock
- BEARING AND PLUNGE OF MINERAL LINEATION**—In metamorphic rock
- LANDSLIDE**—Arrows indicate direction of movement; hachures indicate headwall of crown area
- SITE WHERE SOIL PROFILE IS DESCRIBED**
- SITE WHERE SOIL PROFILE WAS EXAMINED BUT NOT DESCRIBED**



Base from U.S. Geological Survey 1:24,000
Map Sheet 1071, Cucamonga Peak, 1985
and Deane, 1996, revised 1972



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Geology mapped by D.M. Morton and J.C. Manti in 1970—1980

GEOLOGIC MAP OF THE CUCAMONGA FAULT ZONE, SOUTHERN CALIFORNIA