



EXPLANATION

Qal

Alluvium  
Includes Pleistocene gravels & locally along Arkansas River

Qaf

Alluvial fans; locally include cluvial sand

Qit

Landslide and talus deposits

Qg1

Qg2

Qg3

Qg4

Qg5

Qg6

Qg7

Gravels with sandy and silty matrix; volcanic ash locally; includes 2 and 3. Includes gravelly 1-7, gravels & includes with Qal

UNCONFORMITY

Td

Dry Union Formation  
White, gray, and tan clays, silts, sands, and gravels; locally tuffaceous and bentonitic; ps, silty blocks of Pleistocene rocks

UNCONFORMITY

Tw

Ash-flow tuff; red-brown to pink and gray rhyolitic welded tuff; local black vitrophyric welded tuff at base

TF

Gray-brown rhyodacite porphyry flow

UNCONFORMITY

h

Tabular intrusive rocks  
m, metagabbro; p, pegmatite

h

Banded leucocratic quartz-feldspar-biotite gneiss, granofels, and aegreic gneiss with local schist, phyllite, or sarn

Hornblende gneiss, amphibolite, and metabasalt; dark rock consisting chiefly of hornblende, and andesine, locally with quartz or biotite

60

Contact, showing dip  
Dashed where approximately located

Vertical contact

Vertical fault

Anti-form

Drawn on foliation or layering

Syn-form

Drawn on foliation or layering

Strike and dip of beds

60

Inclined

Vertical

Strike and dip of foliation

Bearing and plunge of lineation  
Symbol combined with strike and dip of foliation

60

Strike and dip of joint

Shaft

Portal of shaft

Prospect

Gravel pit

Colorado

Quadrangle location

GEOLOGIC MAP OF THE PONCHA SPRINGS SE QUADRANGLE, CHAFFEE COUNTY, COLORADO

U.S. Geological Survey  
OPEN FILE MAP  
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Colorado (Poncha Springs SE quad) Geol. 1:20,000. 1970.

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