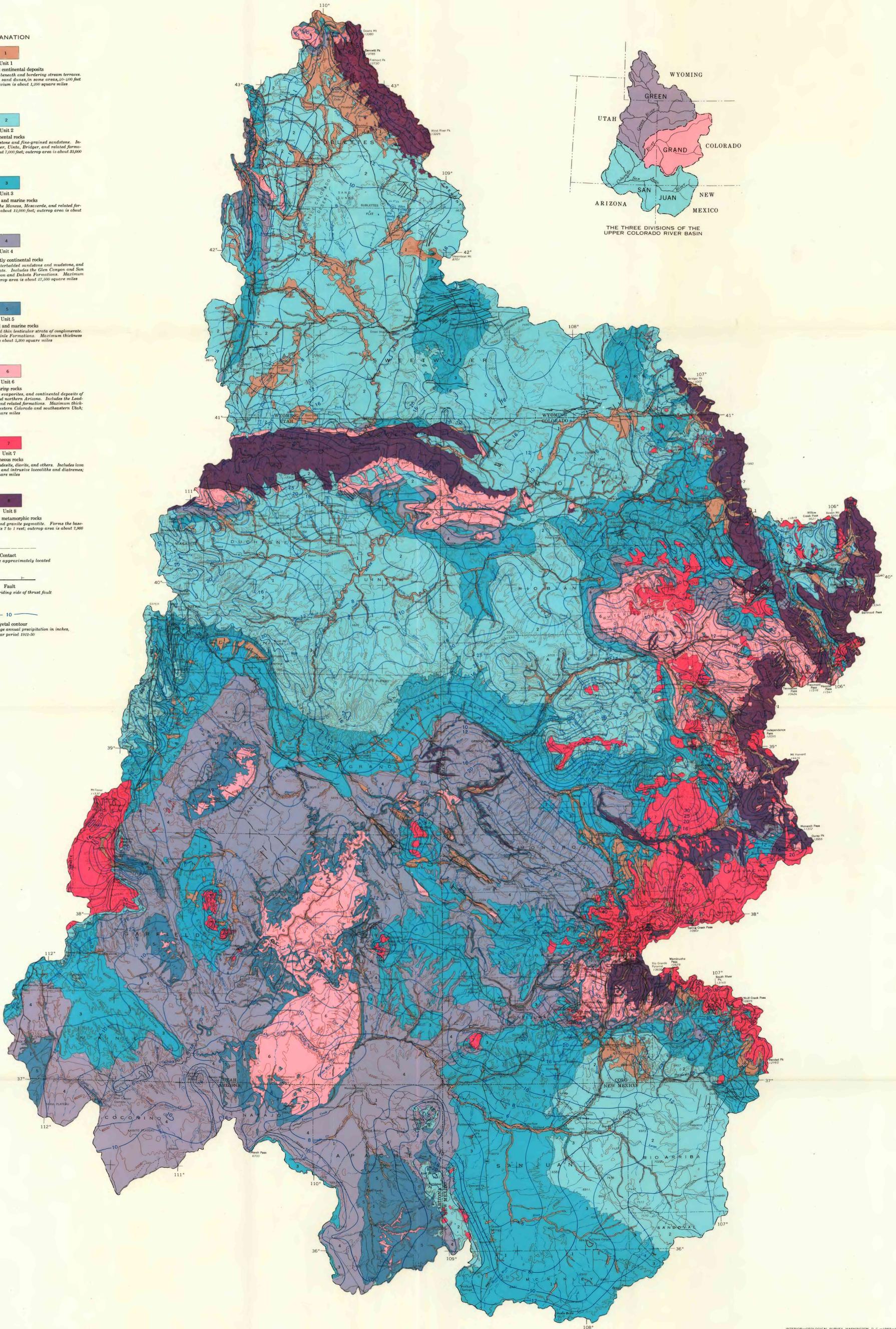
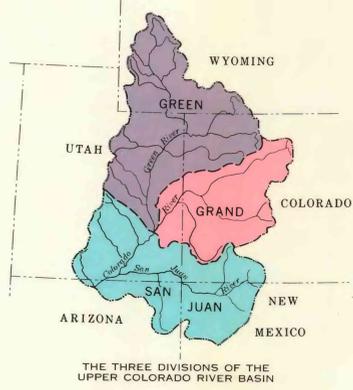


EXPLANATION

- Unit 1**  
Unconsolidated continental deposits  
*Fluvial and glacial deposits beneath and bordering stream terraces. Includes pebbly gravels and sand dunes, in some areas, 10-100 feet thick; outcrop area of river alluvium is about 3,000 square miles.*
  - Unit 2**  
Continental rocks  
*Lacustrine deposits of shale, siltstone and fine-grained sandstone. Includes the Wasatch, Green River, Uinta, Bridger, and related formations. Maximum thickness about 7,000 feet; outcrop area is about 30,000 square miles.*
  - Unit 3**  
Continental and marine rocks  
*Shale and sandstone. Includes the Alton, Meander, and related formations. Maximum thickness about 12,000 feet; outcrop area is about 25,000 square miles.*
  - Unit 4**  
Predominantly continental rocks  
*Massive quartzite sandstone, interbedded sandstone and mudstone, and lenticular strata of conglomerate. Includes the Glen Canyon and San Rafael Groups and the Morrison and Dakota Formations. Maximum thickness about 3,500 feet; outcrop area is about 27,500 square miles.*
  - Unit 5**  
Continental and marine rocks  
*Mudstone, siltstone and shale, and thin lenticular strata of conglomerate. Includes the Moenkopi and Chinle Formations. Maximum thickness about 1,500 feet; outcrop area is about 5,500 square miles.*
  - Unit 6**  
Marine rocks  
*Limestone, quartzite, shale, and evaporites, and continental deposits of quartzite sandstone in Utah and northern Arizona. Includes the Leadville, Hermosa, Cutler, Weber and related formations. Maximum thickness about 5,000 feet in southwestern Colorado and southeastern Utah; outcrop area is about 6,500 square miles.*
  - Unit 7**  
Igneous rocks  
*Volcanic and intrusive basalt, andesite, diorite, and others. Includes iron flows and related siltstones and intrusive tuffaceous and diatremes; outcrop area is about 3,500 square miles.*
  - Unit 8**  
Igneous and metamorphic rocks  
*Schist, granite gneiss, granite, and granite pegmatite. Forms the basement complex upon which units 7 to 1 rest; outcrop area is about 7,500 square miles.*
- Contact  
Dashed where approximately located
- Fault  
T, indicates overriding side of thrust fault
- 10 Isohyetal contour  
Showing estimated average annual precipitation in inches, for 26 year period, 1921-50



Base compiled, edited, and published by the U.S. Geological Survey, 1927 North American datum. Lambert conformal conic projection based on standard parallels 33° and 45°.

Source data: U.S. Department of the Interior, Geological Survey Topographic maps; U.S. Department of the Army, Army Map Service 1:250,000 scale maps; U.S. Department of Commerce, Bureau of Public Roads maps.

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Hydrologic units compiled from geologic maps for eastern Utah and for the States of Colorado, Wyoming, New Mexico, and Arizona with revisions and additions by D. A. Phoenix. Isohyetal lines (average 1921-50 calendar years) prepared by E. L. Peck and M. J. Brown, U.S. Weather Bureau, Salt Lake City, Utah, 1960.

MAP OF UPPER COLORADO RIVER BASIN SHOWING THE DISTRIBUTION OF HYDROLOGIC UNITS AND THE AVERAGE ANNUAL PRECIPITATION

