

EXPLANATION

- Area of high permeability
- Area of moderate permeability
- Area of low permeability

NOTES

This map is useful for making preliminary judgements for planning construction of highways, canals, tunnels, sewage systems, and building foundations. Detailed engineering studies should be carried out for construction at any particular site.

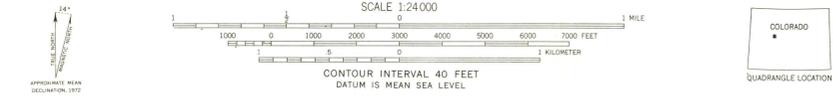
The map indicates relative permeability of units shown on the geologic map (Bryant, 1971); permeability of thin unmapped soils developed on bedrock is not shown. Thus permeability shown on Smuggler Mountain is that of the relatively impermeable granitic bedrock, even though in places a thin permeable soil is developed on the granite. In other parts of the map, soil developed on shale is relatively impermeable, as is the shale itself.

Faults and fractures, commonly zones of greater permeability, are not shown on this map.

REFERENCE

Bryant, Bruce, 1971, Geologic map of the Aspen quadrangle, Pitkin County, Colorado: U.S. Geol. Survey Geol. Quad. Map GQ-933.

Base from U.S. Geological Survey, 1960
10,000-foot grid based on Colorado coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 13, shown in blue



**MAP SHOWING RELATIVE PERMEABILITY OF ROCKS AND SURFICIAL DEPOSITS OF THE
ASPEN QUADRANGLE, PITKIN COUNTY, COLORADO**

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