

CORRELATION OF MAP UNITS

Q	QUATERNARY
Ti	TERTIARY
Tv	Tertiary Volcanic
Tvo	Tertiary Volcanic Older
pε	PRECAMBRIAN

DESCRIPTION OF MAP UNITS

Q SURFICIAL DEPOSITS — Includes landslide material, rock glaciers, talus and related materials on slopes, alluvium in stream valleys and mountain basins, and unconsolidated glacial debris, all of probable Quaternary age.

Ti INTRUSIVE IGNEOUS ROCKS — Includes small irregular-shaped plutons and dikes of mafic to silicic composition, all of late to middle Tertiary age.

Tv TERTIARY VOLCANIC ROCKS, UNDIFFERENTIATED — Includes lava flows, flow breccias, welded ash-flow tuffs, and volcaniclastic rocks representing unassigned units, the Henson, Burns, Picayune, and San Juan Formations, and the Eureka Member of the Sapinero Mesa Tuff, all of middle to possibly early Tertiary age.

Tvy VOLCANIC ROCKS, YOUNGER — Includes those rock units deposited during and following formation of the San Juan caldera.

Tvo VOLCANIC ROCKS, OLDER — Includes those rock units deposited before formation of the San Juan caldera.

pε PRECAMBRIAN ROCKS — Includes medium- to coarse-grained granite and dikes of diabase (d).

--- CONTACT — Dashed where approximately located.

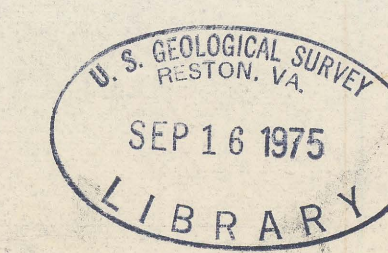
- - - - - VEIN OR MINERALIZED FAULT — Bar and ball on downthrown side.

- - - - - FAULT — Dashed where approximately located; dotted where concealed. Bar and ball on downthrown side.

10° STRIKE AND DIP

40° PLANAR STRUCTURES — Flow layering in lava flows, and gneissic and schistose foliation in metamorphic rocks.

GEOLOGY IN PART FROM U.S.G.S. P.P. 535



M(200)
R290
no. 75-431
c.1

U.S. Geological Survey
OPEN FILE MAP 75-431
This map is preliminary and has not been edited for conformity with Geological Survey standards or nomenclature.

Colorado (Handies Peak quad.). Sect. 1-2
Sep 1



PRELIMINARY GEOLOGIC MAP OF THE HANDIES PEAK QUADRANGLE, COLORADO

BY ROBERT G. LUEDKE AND WILBUR S. BURBANK

1975

CONTOUR INTERVAL 40 FEET

Maped, edited, and published by the Geological Survey
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Topography from aerial photographs by multiple methods