GEOLOGIC MAP OF THE CLARKDALE QUADRANGLE, ARIZONA

Scale 1:48,000

1 0 4 Miles

1000 0 18000 Feet

TRUE NORTH 15° MAGNETIC NORTH

EXPLANATION

Recent

Qr, Qt — Qr, riverwash; Qt, terrace deposits

Pleistocene

Qg — Gravel deposits

UNCONFORMITY

QTps, QTpv — **Perkinsville formation** QTps, *sedimentary rocks;* QTpv, *volcanic rocks*

QTv, QTvg, QTvv — **Verde formation** QTv, *fine-grained lake deposits;* QTvg, *gravel deposits;* QTvv, *volcanic rocks*

UNCONFORMITY

QTh — Intermediate basalt

UNCONFORMITY

Thd, Ths, Thv — **Hickey formation** Ths, *sedimentary rocks;* Thv, *volcanic rocks;* Thd, *basalt dikes*

Pliocene (?)

QUATERNARY — TERTIARY

UNCONFORMITY

Pk — Kaibab limestone

UNCONFORMITY

Pt — Toroweap formation

Pc — Coconino sandstone

Psu, Psm, PPsl — **Supai formation** Psu, *upper member;* Psm, *middle member;* PPsl, *lower member, which may include Naco group equivalents of Pennsylvanian age*

PERMIAN — PENNSYLVANIAN AND PERMIAN — PENNSYLVANIAN — MISSISSIPPIAN — CARBONIFEROUS

UNCONFORMITY

Lower Mississippian

Mr — Redwall limestone

MISSISSIPPIAN

UNCONFORMITY

Middle(?) and Upper Devonian

Dm — Martin limestone

DEVONIAN

UNCONFORMITY (?)

Ct — Tapeats sandstone (?)

CAMBRIAN(?)

UNCONFORMITY

pCg — Gabbro

pCq — Quartz porphyry

Yavapai series

Alder group: pCs — Spud Mountain volcanics

Ash Creek group: pCgg — Grapevine Gulch formation; pCd — Deception rhyolite

PRECAMBRIAN

The Ash Creek group and the Alder group are in fault contact. Their age relation is not known

80 — Contact
Showing dip; dashed where approximately located

U 60 D — Fault
Showing dip; dashed where approximately located; U, upthrown side; D, downthrown side

90 — Vertical fault

Concealed fault

Probable concealed fault

15 — Strike and dip of beds

Horizontal beds

80 — Strike and dip of foliation

Strike of vertical foliation

Strike of vertical joints
Taken from aerial photographs

Base from U. S. Geological Survey quadrangle map, edition of 1948

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Geology by R. E. Lehner, 1952–53; S. C. Creasey, 1951; H. C. Rainey, June–Oct. 1952; D. O. Dickey, Oct.–Feb. 1952–53