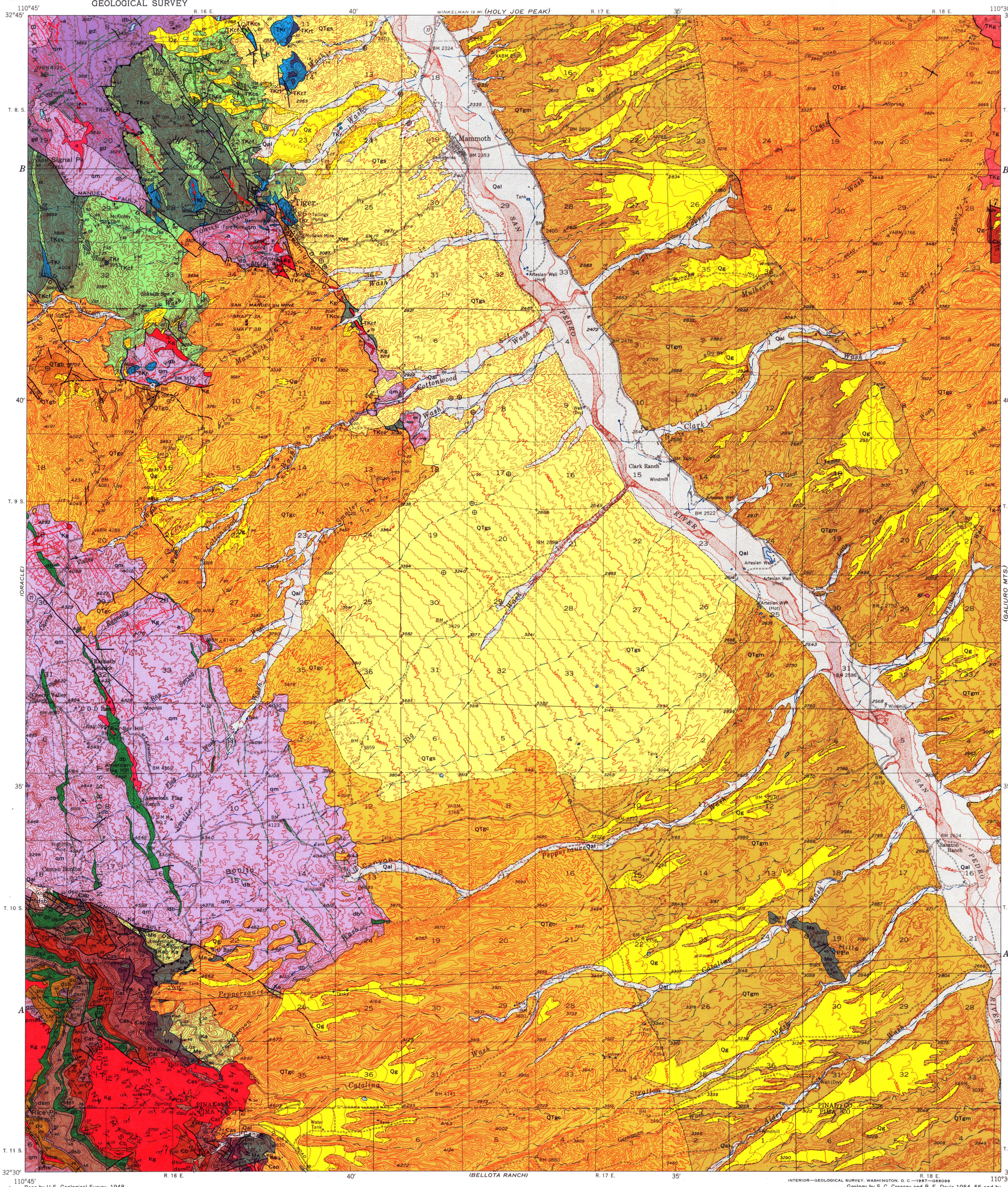

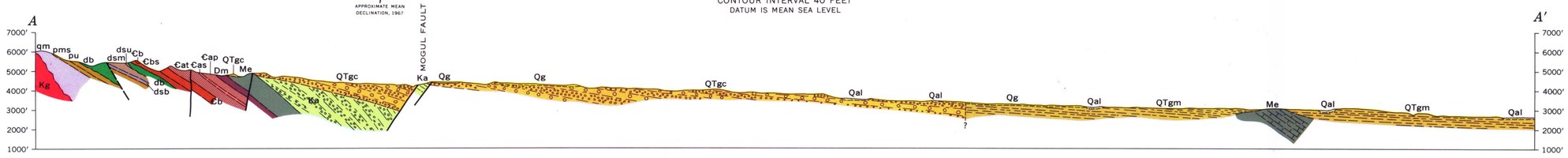

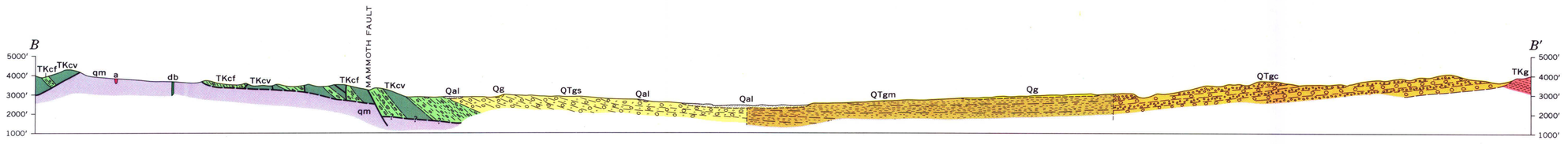

EXPLANATION

QUATERNARY — *Recent*

Qal — Alluvium
Chiefly sand and gravel along the San Pedro River and tributary washes

Qg — Gravel
Gravel veneer on pediment surface

TERTIARY AND QUATERNARY — *Pliocene and Pleistocene*

QTgs, QTgb, QTgc, QTgm — Gila Conglomerate
QTgs, *chiefly poorly consolidated conglomerate and interbedded sandstone. Mostly conglomerate to the north and sandstone to the south*
QTgc, *chiefly indurated boulder and cobble fanglomerate, locally containing sedimentary breccias,* QTgb
QTgm, *chiefly unconsolidated marls and limy silts, probably lake deposits*

TERTIARY — **Tg** — Galiuro Volcanics

CRETACEOUS(?) AND TERTIARY(?) — *Order does not reflect age*

TKrt, TKr — Intrusive rhyolite and rhyodacite
TKrt, *associated tuff and agglomerate*

TKcf, TKcs, TKcv — Cloudburst Formation
TKcf *and* TKcv, *intercalated fanglomerate and latite flows, respectively*
TKcs, *sedimentary monolithologic breccias in fanglomerate*

TKg — Glory Hole Volcanics
Silicic to intermediate volcanic rocks

CRETACEOUS(?)

Kg — Granodiorite porphyry
Quartz is chiefly in the groundmass

Ka, Kab — American Flag Formation*
Chiefly interbedded cobble and boulder conglomerate and graywacke
Kab, *local basal sedimentary breccia*

UNCONFORMITY

MISSISSIPPIAN AND PENNSYLVANIAN / DEVONIAN / CARBONIFEROUS

PIPn — Naco Limestone

Me — Escabrosa Limestone

Middle and Upper Devonian

Dm — Martin Formation

UNCONFORMITY

CAMBRIAN

Middle and Upper Cambrian

Ꞓap, Ꞓas, Ꞓat — Abrigo Formation
Ꞓap, *Peppersauce Member*
Ꞓas, *Southern Belle Member*
Ꞓat, *Three C Member**

Middle Cambrian

Ꞓb, Ꞓbs — Bolsa Quartzite
Ꞓb, *thick-bedded to massive quartzite*
Ꞓbs, *maroon siltstone*

UNCONFORMITY

PRECAMBRIAN

Younger Precambrian — Apache Group

dsu, dsm, dsb — Dripping Spring Quartzite
dsu, *upper member*
dsm, *middle member*
dsb, *Barnes Conglomerate Member*

pu, pms — Pioneer Formation
pu, *upper member*
pms, *middle member and Scanlan Conglomerate Member*

UNCONFORMITY

Older Precambrian

a — Aplite and alaskite

db — Diabase
Includes diabase younger than the Apache Group and diabase younger than granodiorite porphyry of Cretaceous(?) age

qm — Quartz monzonite
(Oracle Granite of Peterson, 1938)

gd — Granodiorite

gr — Granite

AGE UNKNOWN

Contact, showing dip
Dashed where approximately located; short dashed where indefinite

Fault showing dip
Dashed where approximately located; dotted where concealed; queried where doubtful; U, *upthrown side;* D, *downthrown side*

Thrust fault
Sawteeth on upper plate

Anticline
Showing trace of axial plane and bearing and plunge of axis

Syncline
Showing trace of axial plane

Strike and dip of beds
Beds right side up

Strike and dip of overturned beds

Horizontal beds

Strike and dip of foliation and plunge of lineation

Vertical shaft

Portal of tunnel or adit

Prospect

Vein showing dip

Strike and dip of joints and minor shear planes

*New stratigraphic name

GEOLOGIC MAP AND SECTIONS OF THE MAMMOTH QUADRANGLE, PINAL COUNTY, ARIZONA