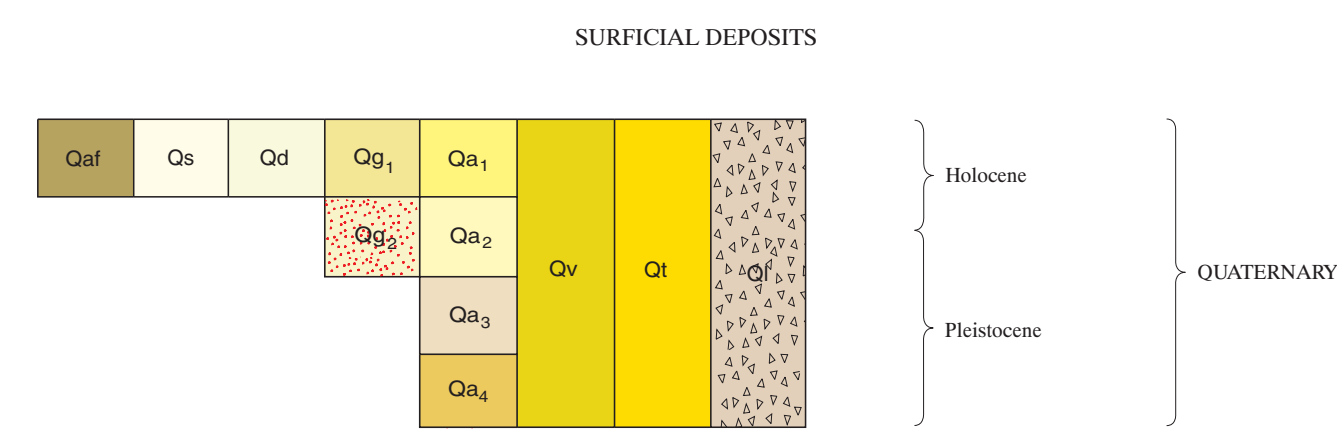


CORRELATION OF MAP UNITS

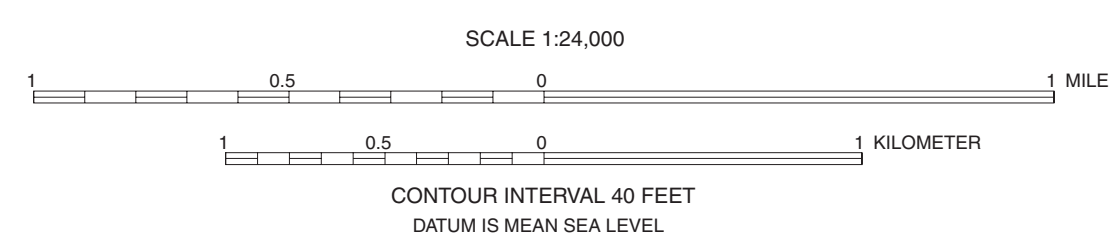
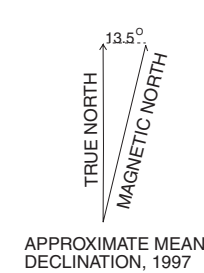


LIST OF MAP UNITS

SURFICIAL DEPOSITS	SEDIMENTARY ROCKS
Qaf Artificial fill and quarries (Holocene)	T _{1cp} Chinle Formation, undivided (Upper Triassic) Petrified Forest and Shinarump Members, undivided
Qs Stream-channel alluvium (Holocene)	T _{1m} Moenkopi Formation, undivided (Middle? and Lower Triassic)
Qd Sand-sheet and dune deposits (Holocene)	Kaibab Formation (Lower Permian)
Qg ₁ Young terrace-gravel deposits (Holocene)	P _{1h} Harrisburg Member
Qa ₁ Young alluvial fan deposits (Holocene)	P _{1f} Fossil Mountain Member
Qv Valley-fill deposits (Holocene and Pleistocene)	Torowcap Formation (Lower Permian)
Qt Talus deposits (Holocene and Pleistocene)	P _{1w} Woods Ranch Member
Ql Landslide deposits (Holocene and Pleistocene)	P _{1b} Brady Canyon Member
Qg ₂ Old terrace-gravel deposits (Holocene and Pleistocene)	P _{1s} Seligman Member
Qa ₂ Young intermediate alluvial fan deposits (Holocene and Pleistocene)	P _{1c} Coconino Sandstone (Lower Permian)
Qa ₃ Old intermediate alluvial fan deposits (Pleistocene)	Ph Hermit Formation (Lower Permian)
Qa ₄ Old alluvial fan deposits (Pleistocene)	

- Contact—(Approximate contact for surficial units and between the Harrisburg and Fossil Mountain Members of the Kaibab Formation)
- - - Fault—Dashed where inferred or approximately located; dotted where concealed; bar and ball on downthrown side. Number is estimated fault separation in feet
- Folds—Showing trace of axial surface and direction of plunge; dashed where approximately located; dotted where concealed
- Monocline—Axial trace drawn approximately along steepest part of fold
- Syncline
- Anticline
- Strike and dip of beds
- / Inclined—As indicated on aerial photos
- \ 15 Inclined—Measured in the field
- Strike of vertical and subvertical joints
- ▲ Sinkhole
- Collapse Structure (breccia pipe?)
- ⊠ Dome

Base from U.S. Geological Survey, 1:24,000, House Rock Quadrangle, 1988
Universal Transverse Mercator Projection
1927 North American Datum
Clark 1866 Ellipsoid, Zone 12



Geology mapped in 1999 by G.H. Billingsley
Digital database by J.L. Wellmeyer and D.L. Block
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**GEOLOGIC MAP OF THE HOUSE ROCK QUADRANGLE,
COCONINO COUNTY, NORTHERN ARIZONA**

By
George H. Billingsley, Jessica L. Wellmeyer and Debra L. Block

2001

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