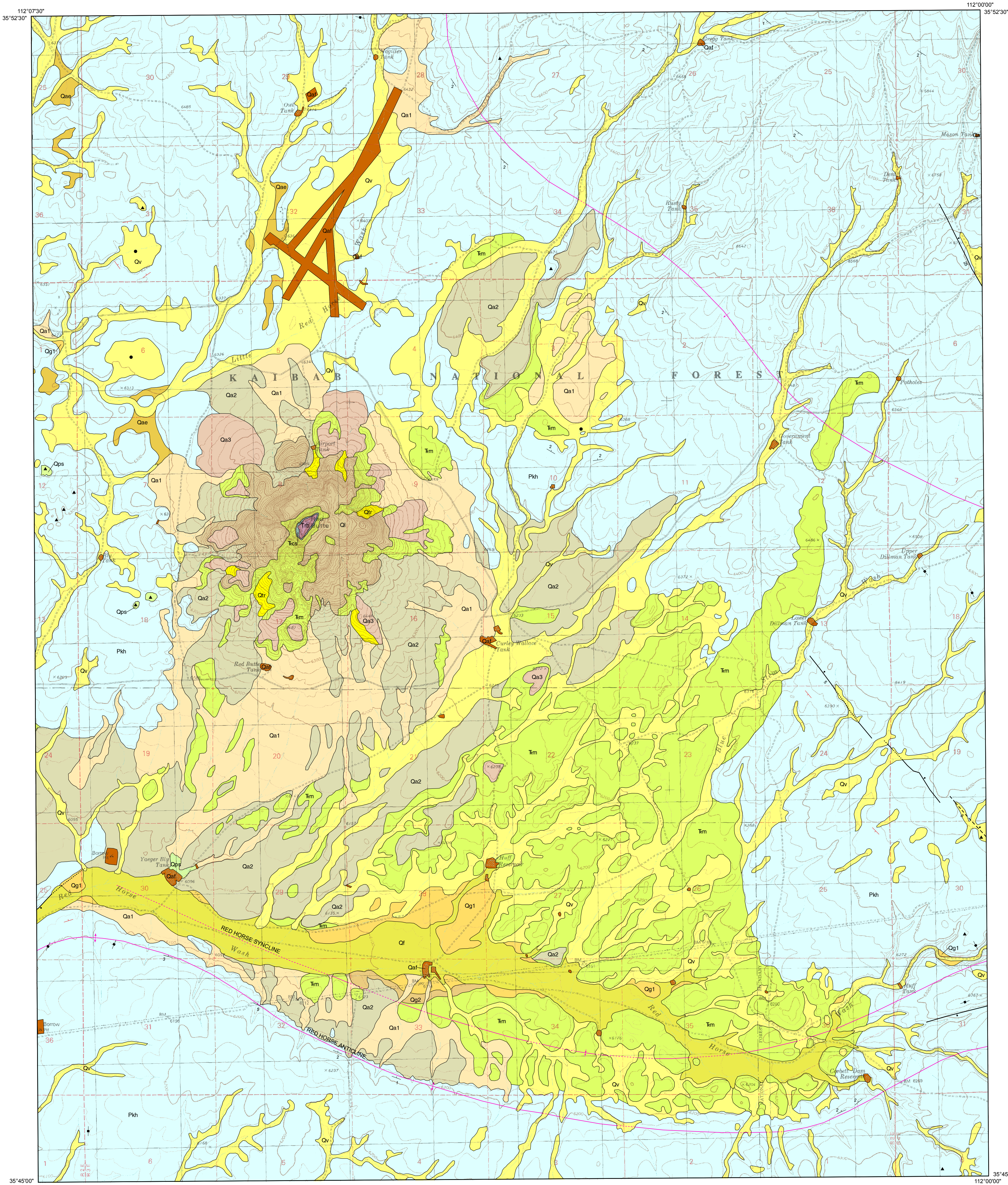




GEOLOGIC MAP OF THE RED BUTTE QUADRANGLE



LIST OF MAP UNITS

SURFICIAL DEPOSITS

- Qaf Artificial fill and quarries
- Qf Flood-plain deposits
- Qg1 Young terrace-gravel deposits
- Qa1 Young alluvial fan deposits
- Qg2 Intermediate terrace-gravel deposits
- Qa2 Intermediate alluvial fan deposits
- Qps Ponded sediments
- Qae Young mixed alluvium and eolian deposits
- Qtr Talus and rock fall deposits
- Qi Landslide deposits
- Qv Valley-fill deposits
- Qa3 Old alluvial fan deposits

VOLCANIC ROCKS

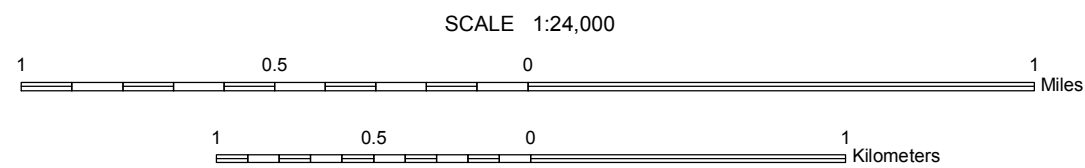
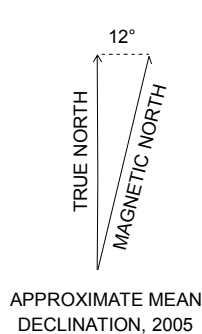
- Trb SFVF Basalt flow of Red Butte

SEDIMENTARY ROCKS

- Tcs Chinle Formation Shinarump Member
- Tm Moenkopi Formation
- Pkh Kaibab Formation Harrisburg Member
- Pkf Kaibab Formation Fossil Mountain Member

EXPLANATION

- Contact certain
- Fault certain; number is estimated offset in feet
- Fault concealed
- Fault inferred
- Anticline; dotted where concealed; arrows where plunging
- Syncline; dotted where concealed; arrows where plunging
- Monocline
- Strike and dip of beds
- Implied bedding
- Strike of vertical and subvertical joints
- Collapse structure
- Sinkhole



Derived from USGS SIM-2895, 2005
Geologic Map of the Valle 30' X 60' Quadrangle, Coconino County, Northern Arizona
by George H. Billingsley, Tracey J. Felger, Susan S. Priest
Legend may include map units or features outside quadrangle boundary