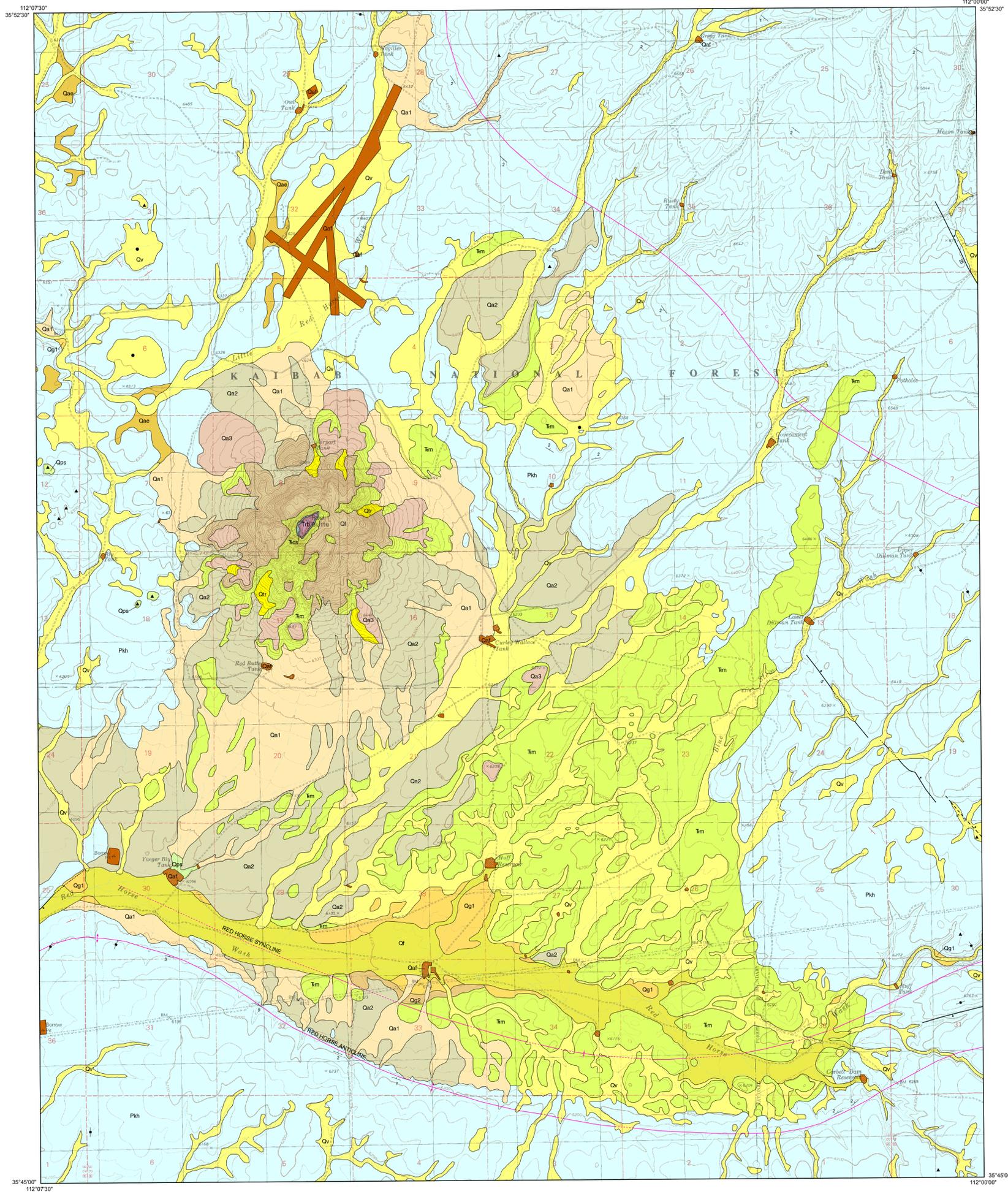
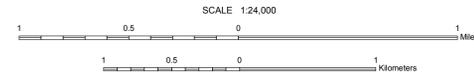


GEOLOGIC MAP OF THE RED BUTTE QUADRANGLE



- 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
 - Ql Landslide deposits
 - Qv Valley-fill deposits
 - Qa3 Old alluvial fan deposits
- VOLCANIC ROCKS**
- Trib 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
 - 10 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

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 2005



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