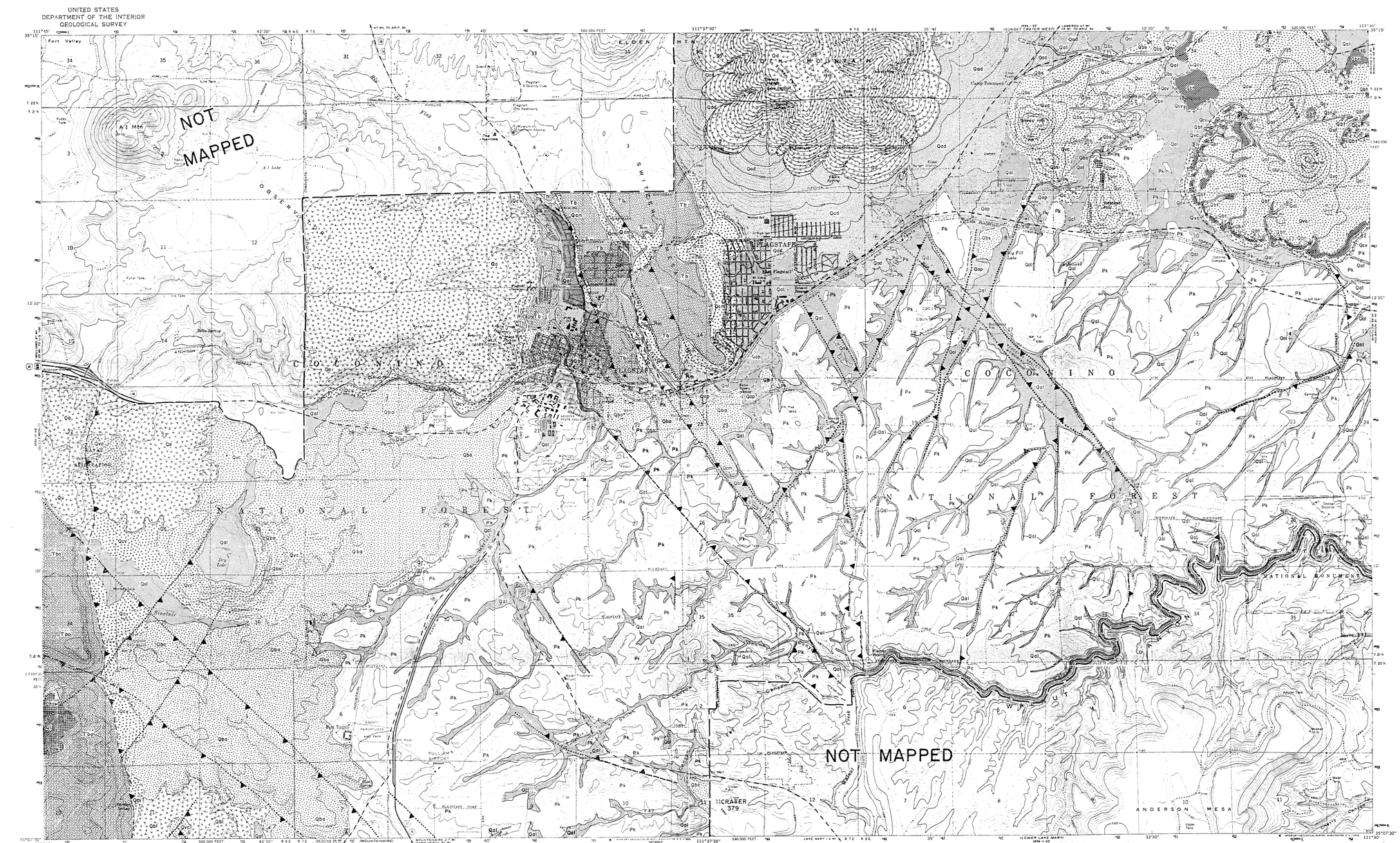

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Mapped by the U. S. Forest Service
Edited and published by the Geological Survey
Control by USGS, USC&GS, and U. S. Forest Service
Topography by photogrammetric methods from aerial photographs taken 1959. Field checked by USGS 1962
Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue
Red tint indicates areas in which only landmark buildings are shown

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
Interstate Route U. S. Route State Route

SCALE 1:24000
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

FLAGSTAFF WEST, ARIZ.
N3507.5—W11137.5/7.5
1962
AMS 3654 II NW—SERIES V888

FLAGSTAFF EAST, ARIZ.
N3507.5—W11130/7.5
1962
AMS 3654 II NE—SERIES V888

EXPLANATION

SEDIMENTARY ROCKS

QUATERNARY

Qal Qap Qad — Qal – Undifferentiated alluvial deposits
Qap – Alluvial deposits composed chiefly of pumice clasts
Qad – Alluvial and colluvial deposits composed chiefly of Elden Mountain dacite debris

Qc Qcm Qcv — Qc – Undifferentiated colluvial deposits
Qcm – Colluvial deposits composed chiefly of Moenkopi residuum
Qcv – Colluvial deposits composed chiefly of volcanic rock debris

TRIASSIC

Trm — Moenkopi Formation

PERMIAN

Pk — Kaibab Limestone, may contain limited outcrops of Triassic channel deposits

Pc — Coconino Sandstone

IGNEOUS ROCKS

QUATERNARY

Qvc — Undifferentiated volcanic cinders
Qcc — Crater 379 basalt flow
Qbt — Turkey Hill basalt flows
Qbw — Wildcat Hill basalt
Qbs — Sheep Hill basalt flows
Qbl — Lindberg basalt flow
Qba — Dry Lake basaltic andesite flow
Qoa — Observatory Mesa andesite flow
Qd — Elden Mountain dacite dome
Qt — Woody Mountain latite and agglomerate tuff
Qbaw — Woody Mountain basaltic andesite

TERTIARY

Tbs — Switzer Mesa basalt flow
Tbo — Woody Mountain olivine basalt flow

SYMBOLS

CONTACT, DASHED WHERE INDEFINITE

FAULT, DASHED WHERE INDEFINITE, DOTTED WHERE COVERED BY YOUNGER DEPOSITS OR WHERE INFERRED FROM ANALYSIS OF AERIAL PHOTOGRAPHS OR FROM GEOPHYSICAL DATA, ▼, INDICATES DOWNTHROWN SIDE

OUTCROP AND SURFICIAL GEOLOGY FLAGSTAFF AREA, COCONINO COUNTY, ARIZONA

E.L.MONTGOMERY, W.R.HENKLE, JR., W.J.ALEXANDER, K.S. MURRAY, R.E. REID, C.F.KLUTH, R.H. DEWITT

STATE OF ARIZONA
BUREAU OF GEOLOGY
AND MINERAL TECHNOLOGY
OPEN-FILE REPORT

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