



Produced by the United States Geological Survey

Compiled from USGS 1:24 000 and 1:62 500-scale topographic maps dated 1954–1973. Planimetry revised from aerial photographs taken 1972–73, 1979, and other source data. Revised information not field checked. Map edited 1982

Projection and 10 000-meter grid, zone 12,
Universal Transverse Mercator
25 000-foot grid ticks based on Arizona coordinate system,

east and central zones
1927 North American Datum
To place on the predicted North American Datum 1983
move the projection lines 1 meter north and 62 meters east
There may be private inholding within the boundaries of
the National or State reservations shown on this map

CONTOUR INTERVAL 50 METERS NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U.S. GEOLOGICAL SURVEY,
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## Topographic Map Symbols

Primary highway, hard surface

Secondary highway, hard surface
Light duty road, principal street, hard or improved surface
Other road or street; trail

Route marker: Interstate; U. S.; State

Railroad: standard gage; narrow gage
Bridge; overpass; underpass
Tunnel: road; railroad

Built up area; locality; elevation

Airport; landing field; landing strip

National boundary.

State boundary.

County boundary.

U. S. public lands survey: range, township; section

Range, township; section line: protracted

Power transmission line; pipeline

Dam; dam with lock

Cemetery; building

Windmill; water well; spring.

Mine shaft; adit or cave; mine, quarry; gravel pit

Campground; picnic area; U. S. location monument

Ruins; cliff dwelling.

Distorted surface: strip mine, lava; sand

Contours: index; intermediate; supplementary.

Bathymetric contours: index; intermediate

Stream, lake: perennial; intermittent.

Rapids, large and small; falls, large and small

Area to be submerged; marsh, swamp

Land subject to controlled inundation; woodland

Scrub; mangrove...

Orchard; vineyard

A pamphlet describing topographic maps is available on request

