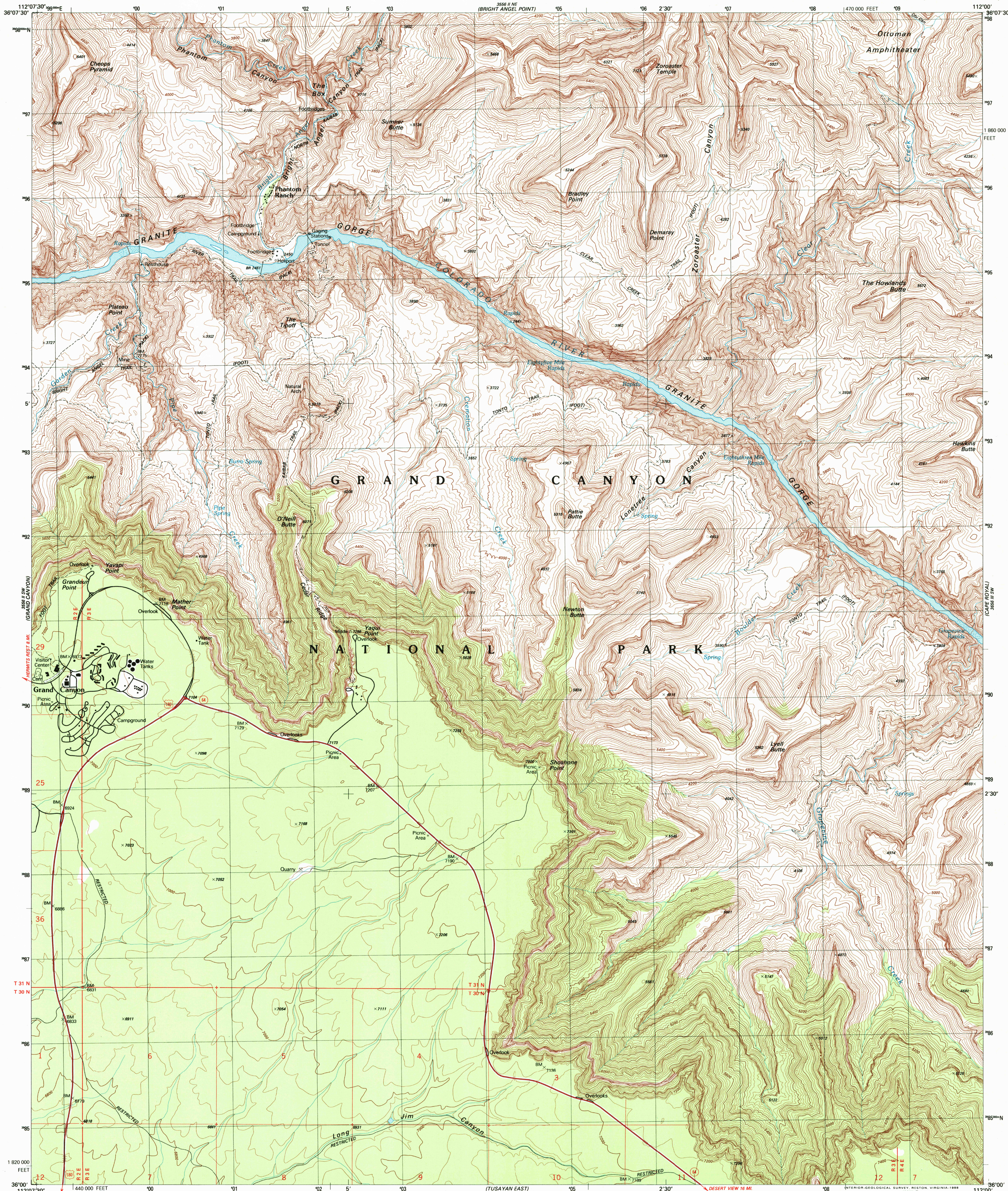




Produced by the United States Geological Survey

Control by USGS and NOS/NOAA

Compiled by photogrammetric methods from aerial photographs taken 1982. Field checked 1985. Map edited 1988

Projection and 10,000-foot grid ticks: Arizona coordinate system, central zone (transverse Mercator)

1000-meter Universal Transverse Mercator grid, zone 12

1927 North American Datum

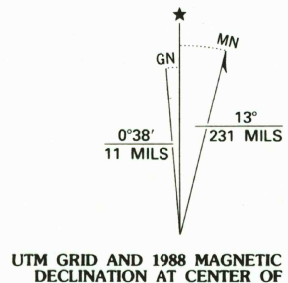
To place on the predicted North American Datum 1983

move the projection lines 6 meters north and

66 meters east as shown by dashed corner ticks

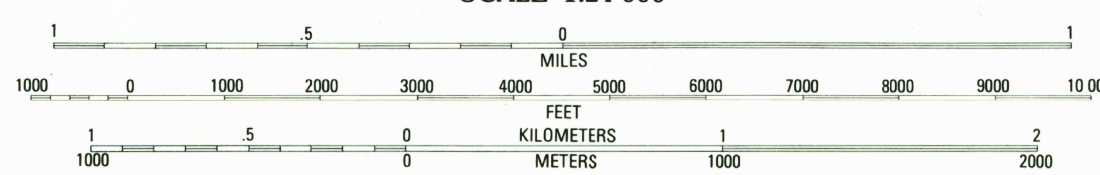
Where omitted, land lines have not been established

There may be private inholdings within the boundaries of the National or State reservations shown on this map



UTM GRID AND 1988 MAGNETIC NORTH DECLINATION AT CENTER OF MAP

DIAGRAM IS APPROXIMATE



SCALE 1:24 000

CONTOUR INTERVAL 40 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

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HISTORICAL MAP ARCHIVES

PHANTOM RANCH, ARIZ.

SE/4 BRIGHT ANGEL 15' QUADRANGLE

36112-A1-TF-024

1988

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