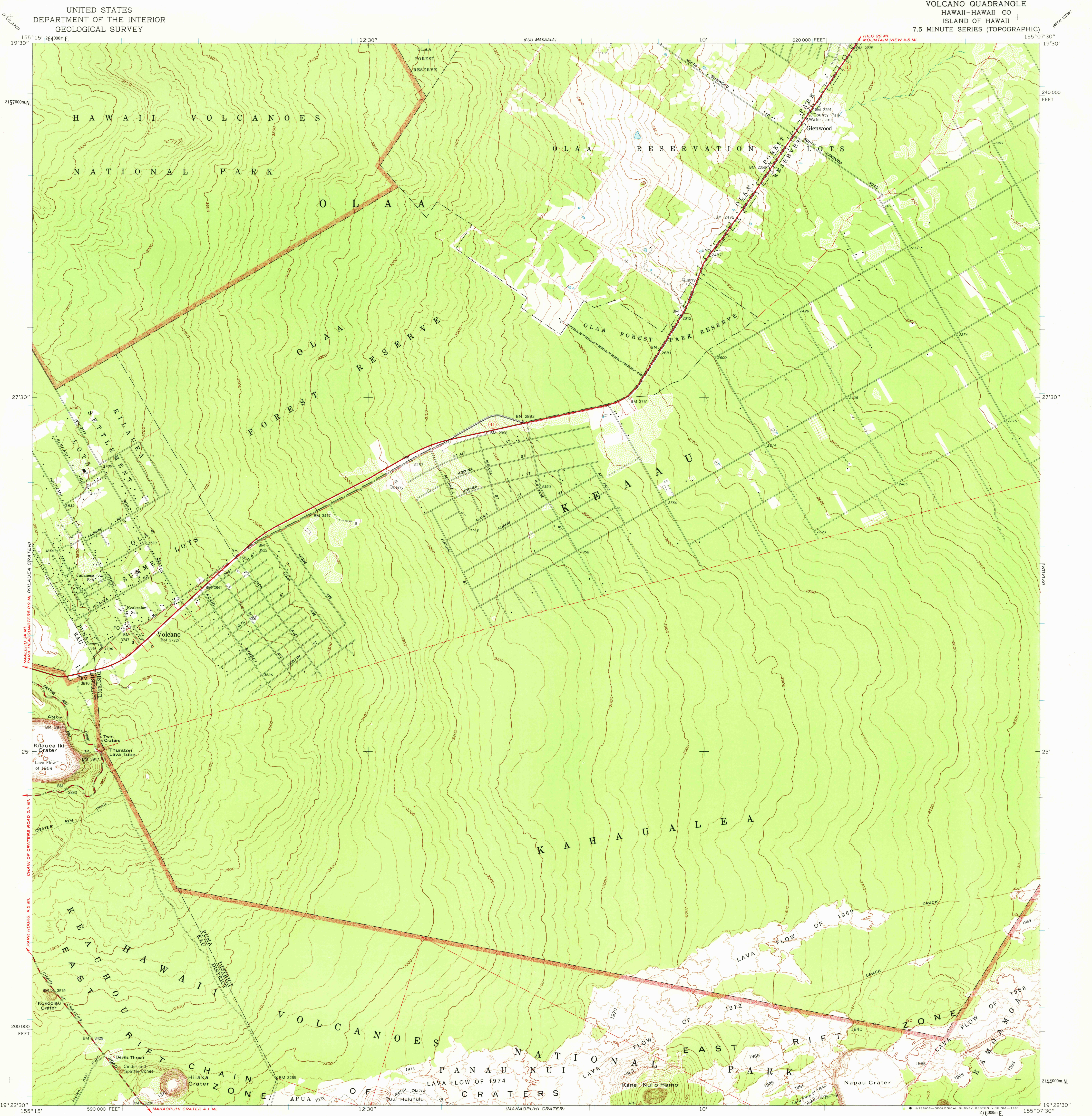




UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

155°15' 264000m E
19°30' 2157000m N

12°30' (PUU MAKAALA)

10' 620 000 FEET

155°07'30" 19°30' 240 000 FEET

HAWAII VOLCANOES
NATIONAL PARK
OLAA
RESERVATION
OLAA FOREST
PARK RESERVE
KILAUEA
SETTLEMENT
LOTS
SUMMER
VOLCANO (BM 3722)
KILAUEA Iki Crater
Lava Flow of 1959
Twin Craters
Thurston Lava Tube
KOKOOLAU CRATER
KILAUEA DISTRICT
PANAUNUI NATIONAL PARK
KANE NUI O HAMO
LAVA FLOW OF 1974
LAVA FLOW OF 1972
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Maped, edited, and published by the Geological Survey
Revised in cooperation with Hawaii Dept. of Transportation
Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs
taken 1954. Field checked 1963. Revised from aerial photographs
taken 1977. Limited field checked 1980. Map edited 1981

Projection and 10,000-foot grid ticks: Hawaii coordinate system
zone 1 (transverse Mercator) Clarke spheroid 1866. Old Hawaiian Datum
1000-meter Universal Transverse Mercator grid ticks, zone 5, shown
in blue. International spheroid. To place on the predicted North
American Datum 1983 move the projection lines 338 meters north and
291 meters west as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines
This map lies within an unstable volcanic area
There may be private inholdings within the boundaries of
the National or State reservations shown on this map

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1981

SCALE 1:24 000

1 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

Primary highway, hard surface
Secondary highway, hard surface
Unimproved road
State Route

Light-duty road, hard or improved surface
Unimproved road
State Route

HAWAIIAN ISLANDS
QUADRANGLE LOCATION

VOLCANO, HAWAII
N1922.5-W15507.5/7.5
1981

2150