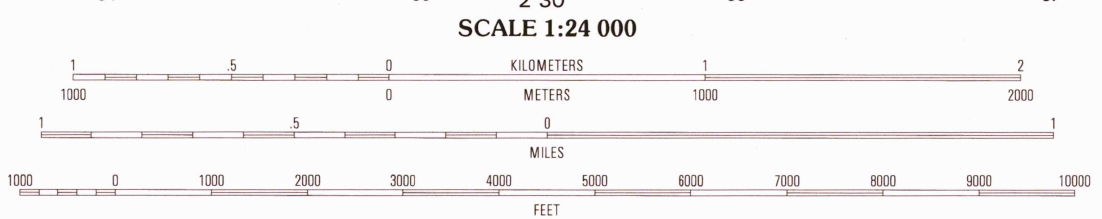
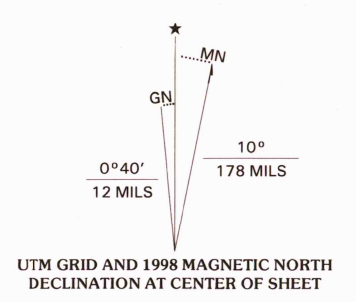


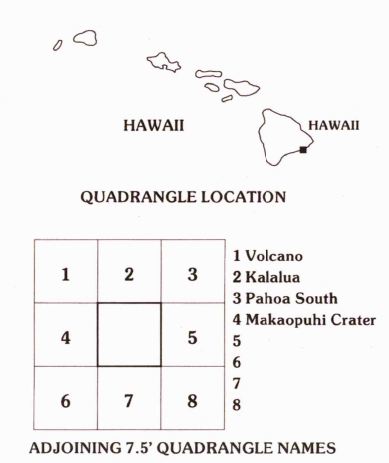


Produced by the United States Geological Survey in cooperation with National Imagery and Mapping Agency. Topography compiled 1954. Planimetry derived from imagery dated 1994. Survey control current as of 1966. Contours that conflict with updated major features are dashed. North American Datum of 1983 (NAD 83). Projection and 1000-meter grid: Universal Transverse Mercator, zone 5 (10 000-foot ticks; Hawaii Coordinate System of 1983 (zone 1)). Old Hawaiian Datum is shown by dashed corner ticks. The values of the shift between NAD 83 and Old Hawaiian Datum for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software. 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.



CONTOUR INTERVAL 20 FEET
 DATUM IS MEAN SEA LEVEL
 TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 1 FOOT

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



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

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 USGS NMD
 HISTORICAL MAP ARCHIVES

KALAPANA, HI
 1994
 NIMA 5016 IV SW-SERIES W833

