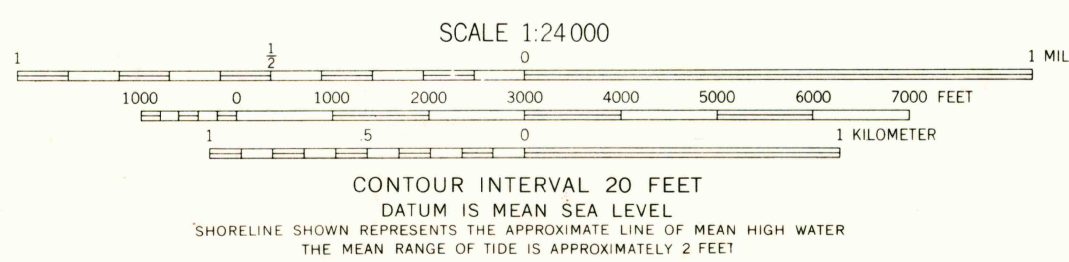
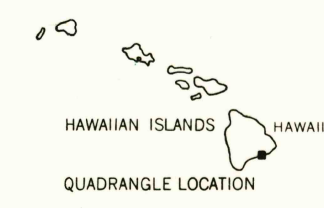


Mapped, edited, and published by the Geological Survey
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Topography by photogrammetric methods from aerial
photographs taken 1954. Field checked 1963
Polyconic projection. Old Hawaiian datum
10,000-foot grid based on Hawaiian coordinate system, zone 1
1000-meter Universal Transverse Mercator grid ticks,
zone 5, shown in blue
This map lies within an unstable volcanic area

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1963



ROAD CLASSIFICATION
Light duty —————
Unimproved dirt - - - - -



USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION

MAKAOPUHI CRATER, HAWAII DEC 4 1972
SW/4 PUNA 15' QUADRANGLE
N1915—W15507.5/7.5
1963

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