(MAKAOPUHI CRATER)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

MAKAOPUHI CRATER QUADRANGLE
HAWAII
7.5 MINUTE SERIES (ORTHOPHOTOQUAD)

155°15' 12'30" 10' 620 000 FEET 155°07'30"
19°22'30" 19°15'
590 000 FEET
160 000 FEET
190 000 FEET

PAUAHI CRATER

MAKAOPUHI CRATER

(VOLCANO)

KEAUHAU BOMB

APUA POINT

KAHUE POINT

PACIFIC

Produced by the Geological Survey
in cooperation with the State of Hawaii

Orthophotograph prepared from 1:50 000- 55 000-scale aerial photographs taken Dec 1976 and March 1977

Projection and 10,000-foot grid ticks
Hawaii coordinate system, zone 1
(transverse Mercator) Clarek 1866 spheroid
Old Hawaiian datum
1000-meter Universal Transverse Mercator grid ticks, zone 5. International spheroid

Photoimagery rectified by optical scanning
Where double or mismatched image occurs use the mean of image position for map point

11½°
APPROXIMATE MEAN DECLINATION, 1977

SCALE 1:24 000

1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

HAWAIIAN ISLANDS
QUADRANGLE LOCATION

PRINCIPAL NUMBERED HIGHWAYS
Interstate Route U. S. Route State Route

This quadrangle area also covered by 1:24 000-scale topographic map

MAKAOPUHI CRATER, HAWAII
N1915-W15507.5/7.5

1977

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1981

NOV 2 1981