UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

KEAIWA RESERVOIR QUADRANGLE
HAWAII—HAWAII CO.
ISLAND OF HAWAII—KAU DISTRICT
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 MAUNA LOA 15' QUADRANGLE

(SULPHUR CONE) (MAUNA LOA) (KIPUKA PAKEKAKE)

155°37'30" 225000m.E. 35' 32'30" 490 000 FEET 155°30'
19°22'30" 2144000m.N. 190 000 FEET

ALALA LAVA FLOW
FLOW OF 1926
LAVA FLOW
LAVA FLOW LINE
LAVA FLOW OF 1949
LAVA FLOW
LAVA FLOW LINE
LAVA FLOW
LAVA FLOW
LAVA FLOW
ANIPEAHI
ROCK WALL
Maunaanu Waterhole
KAPAPALA
Kilohana
KAHUKU
Kii 7883
Kipuka Aiaka Alala
LAVA FLOW
LAVA FLOW LINE
LAVA FLOW
LAVA FLOW
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
JEEP TRAIL
Hionamoa 7671
BM 6784
BM 6347
BM 6450
Waihaka Gulch
FOREST RESERVE
KAALAALA
MAKAKUPU
Pikea
Kauhuhuula
Makaka
Hionamoa
MAKAKA KOPU MOAULA
KAUHUHUULA
KEAIWA
Makakupu Gulch
Noguchi Tunnel
BOUNDARY
Kahaha-2 3669
RESERVE
FOREST
FLUME
Kaalaala Gulch
Keaiwa Gulch
Keaiwa Reservoir 3044
Puu Kinikini
Moaula Gulch
PAAUAU-2 Ravine
Kahawai 6541
LAVA FLOW OF 1950
Punaluu Kahawai Water Tank
BM 6167
2132000m.N.
2.6 MI. TO HAWAII 151
16 MI. TO HAWAII 11
460 000 FEET
19°15'
155°37'30"
35'
(PUNALUU)
32'30"
2360000m.E.
MIDDLE MOAULA CAMP 3.9 MI.
155°30'
(PUU O KEOKEO) (ALIKA CONE) (WOOD VALLEY) (PAHALA)

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1954 and 1965. Field checked 1967

Polyconic projection. Old Hawaiian datum
10,000-foot grid based on Hawaii coordinate system, zone 1
1000-meter Universal Transverse Mercator grid ticks, zone 5, shown in blue

Fine red cashed lines indicate selected fence lines

This map lies within an unstable volcanic area

11° TRUE NORTH MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1967

SCALE 1:24000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER
CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

USGS Historical File Topographic Division
U.S.G.S. FILE COPY TOPOGRAPHIC DIVISION

ROAD CLASSIFICATION
Unimproved dirt

HAWAIIAN ISLANDS HAWAII
QUADRANGLE LOCATION

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

2815
OCT 23 1968

KEAIWA RESERVOIR, HAWAII
SE/4 MAUNA LOA 15' QUADRANGLE
N1915—W15530/7.5

1967