OPEN-FILE REPORT 2007-1089
SHEET 7 of 8
Pamphlet accompanies map

Geologic linework in Universal Transverse Mercator projection, North American datum 1983, zone 4

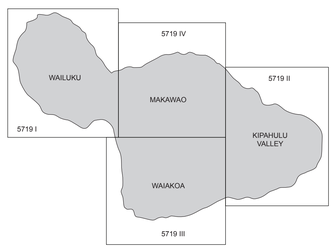
Topographic base and bounding latitude-longitude ticks from Defense Mapping Agency, Kipahulu Valley, Makawao, Waiakoa, and Wailuku (1989), 1:50,000

Transverse Mercator projection based on GRS 1980 spheroid, North American datum 1983

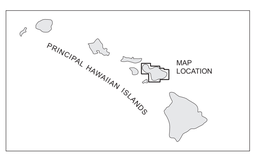
Grid on map from UTM zone 4, North American datum 1983

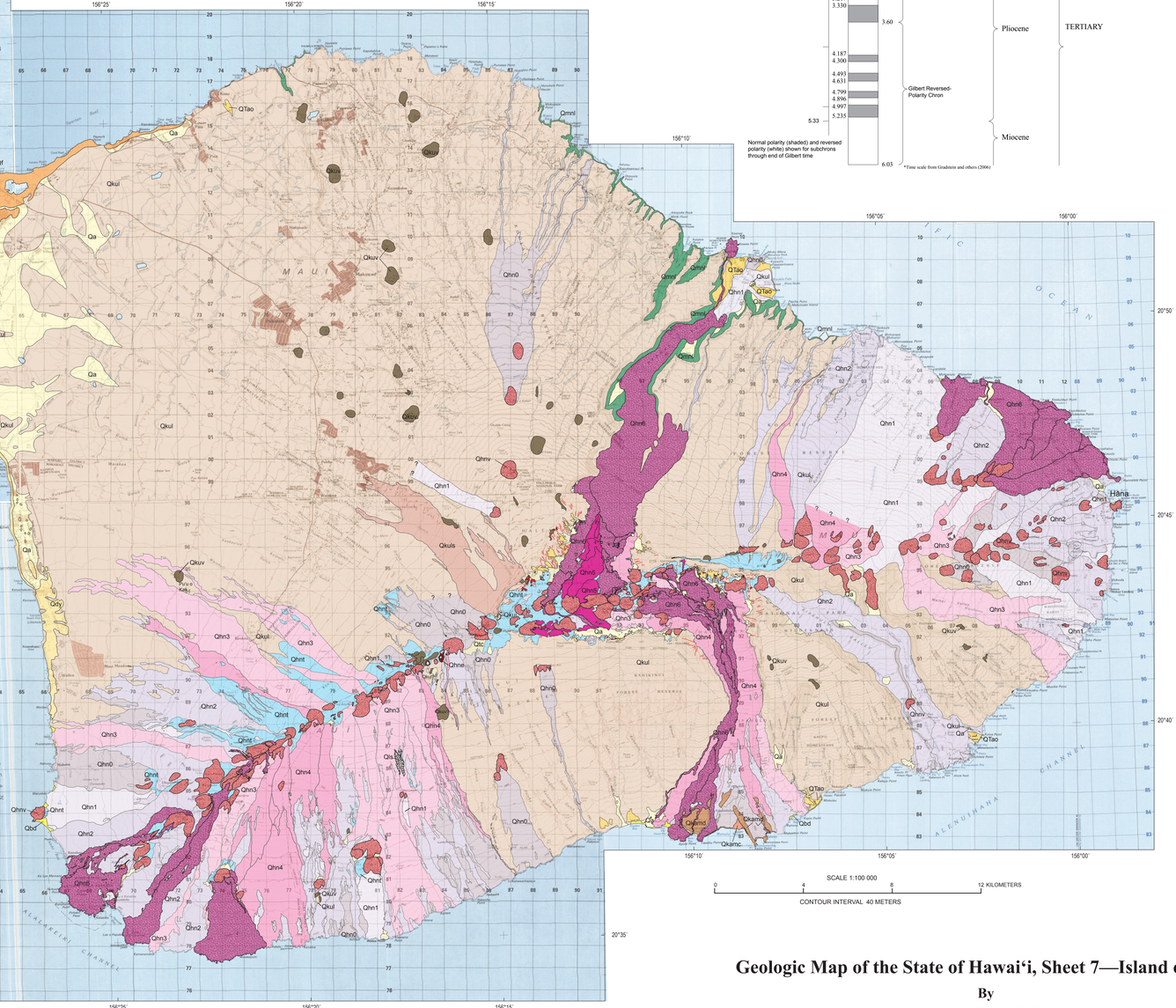
Base, intended for visual reference only, is fitted to GIS-based coastline by inspection

Geology from Stearns and Macdonald (1942), Macdonald (1978), and D.R. Sherrod, 1997-2003. Compiled by D.R. Sherrod, 2004



INDEX FOR 1:50,000-SCALE DEFENSE MAPPING AGENCY SHEETS





SCALE 1:100 000

0 4 8 12 KILOMETERS

CONTOUR INTERVAL 40 METERS

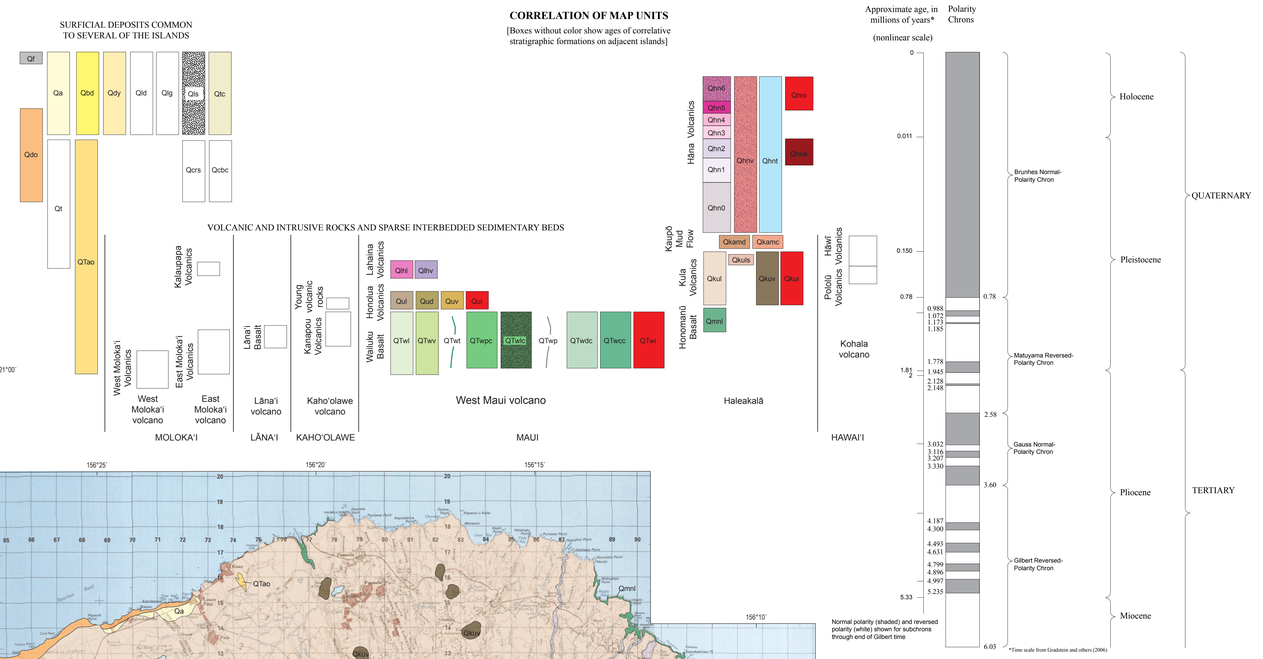
Geologic Map of the State of Hawai'i, Sheet 7—Island of Maui

By
David R. Sherrod, John M. Sinton, Sarah E. Watkins, and Kelly M. Brunt

2007

CORRELATION OF MAP UNITS

[Boxes without color show ages of correlative stratigraphic formations on adjacent islands]



LIST OF MAP UNIT ON SHEET 7 (THIS MAP)

See explanatory pamphlet for complete descriptions

SURFICIAL DEPOSITS COMMON TO SEVERAL OF THE ISLANDS

Qf	**Fill (Holocene)**
Qa	**Alluvium (Holocene)**
Qbd	**Beach deposits (Holocene)**
Qdy	**Younger dune deposits (Holocene)**
Qls	**Landslide deposits (Holocene)**
Qtc	**Talus and colluvium (Holocene)**
Qdo	**Older dune deposits (Holocene and Pleistocene)**
Qcbc	**Calcareous breccia and conglomerate (Pleistocene)**
QTao	**Older alluvium (Pleistocene and Pliocene)**

VOLCANIC AND INTRUSIVE ROCKS ON THE ISLAND OF MAUI

Hāna Volcanics (Holocene and Pleistocene)—Divided into:

Lava flows (Holocene and Pleistocene)—Divided into:

Lava flows	Age, years
Qhn6	0 - 1500
Qhn5	1500 - 3000
Qhn4	3000 - 5000
Qhn3	5000 - 13,000
Qhn2	13,000 - 30,000
Qhn1	30,000 - 50,000
Qhn0	50,000 - 140,000

Qhnv	**Vent deposits (Holocene and Pleistocene)**
Qhnt	**Tephra deposits (Holocene and Pleistocene)**
Qhni	**Intrusive rocks (Holocene and Pleistocene)**
Qhne	**Explosion crater deposits (Pleistocene)**
Qkamd	**Kaupō Mud Flow (Pleistocene)**—Mapped separately is:
Qkamc	**Conglomerate**

Kula Volcanics (Pleistocene)—Divided into:

Qkul	**Lava flows**—Mapped separately is:
Qkuls	**Summit ankaramite**
Qkuv	**Vent deposits**
Qkui	**Intrusive rocks**
Qmnl	**Honomanū Basalt (Pleistocene)**

Lahaina Volcanics (Pleistocene)—Divided into:

Qlhl	**Lava flows**
Qlhv	**Vent deposits**

Honolua Volcanics (Pleistocene)—Divided into:

Qul	**Lava flows**
Qud	**Domes**
Quv	**Vent deposits**
Qui	**Intrusive rocks**

Wailuku Basalt (Pleistocene and Pliocene(?))—Divided into:

QTwl	**Lava flows**
QTwv	**Vent deposits**
QTwt	**Tuff**
QTwpc	**Pit crater deposits**
QTwlc	**Lava cone**
QTwp	**Phreatic explosion debris**
QTwdc	**Dike complex**
QTwcc	**Caldera complex**
QTwi	**Intrusive rocks**

Contact—Approximately located

Fault—Approximately located; dotted where concealed

Available on World Wide Web at http://pubs.usgs.gov/of/2007/1089/