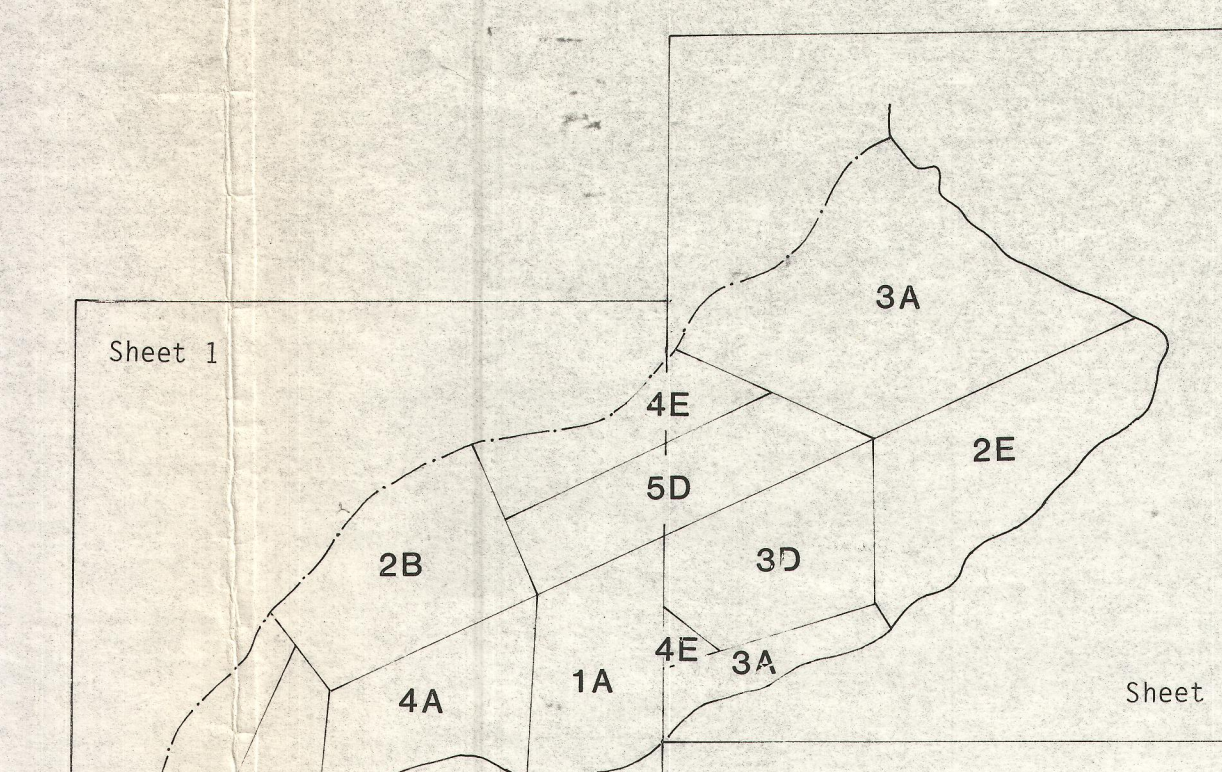


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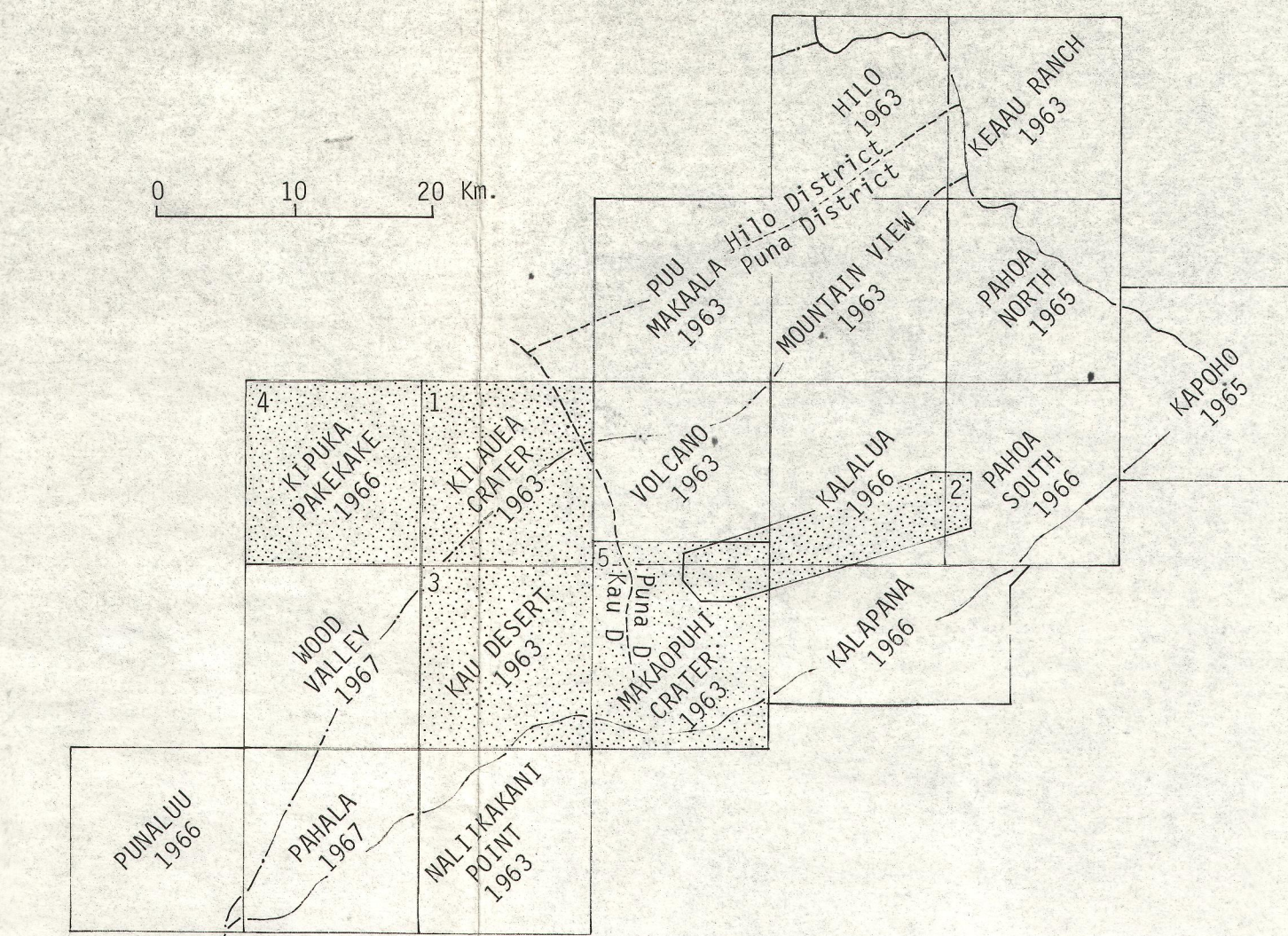


RELATIVE MAPPING CONFIDENCE FOR DIFFERENT AREAS



- General degree of confidence**
- 1 Very good
 - 2 Relatively good
 - 3 Average
 - 4 Relatively poor
 - 5 Very poor
- Main factor limiting confidence**
- A Adjacent pahoehoe flows have inherently obscure contacts
 - B Tephra obscures relationships between underlying units
 - C Vegetal sparsity on non-adjacent flows obscures chronology based on plant succession
 - D Rain forest obscures geology
 - E Human forest modification obscures plant succession

PREVIOUS MAPS



Shown above are the maps in the U.S. Geological Survey 1:24,000 series. Unstippled areas have topographic coverage only. Geologic maps of the stippled areas have been published by:

1. Peterson (1967)
2. Moore and Koyanagi (1969)
3. Walker (1969)
4. Macdonald (1971)
5. Holcomb (1979)

The part of Kilauea in the Ka'u District was included in the map of Stearns and Clark (1930) at a scale of 1:62,500, and the entire volcano was included in the map of Stearns and Macdonald (1946) at a scale of 1:125,000.

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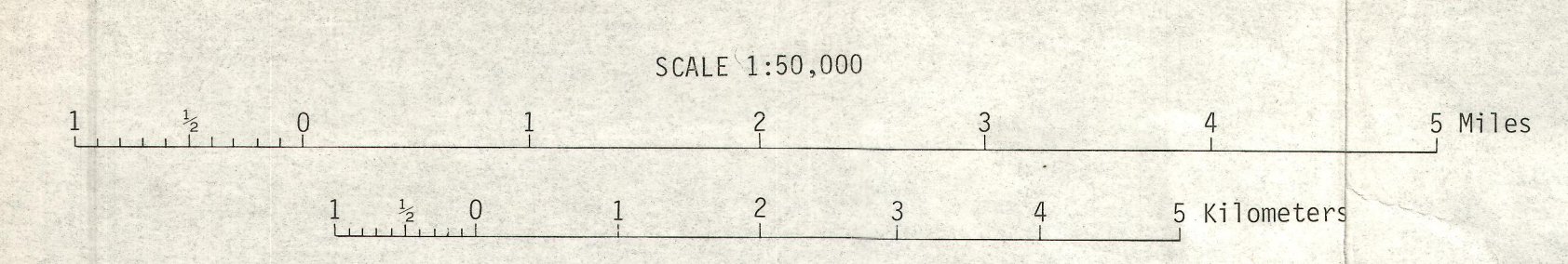
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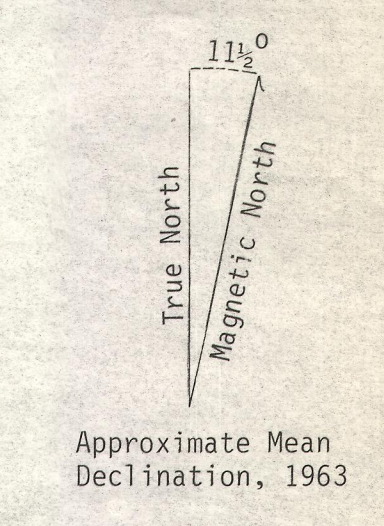
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CONTOUR INTERVAL 20 FEET
Datum is Mean Sea Level



PRELIMINARY GEOLOGIC MAP OF
KILAUEA VOLCANO, HAWAII

by
Robin T. Holcomb
1980

Base from U.S. Geological Survey 1:24,000 topographic series: Hilo, 1963; Kailua, 1966; Kalapana, 1966; Kapoho, 1965; Keau Ranch, 1963; Mountain View, 1963; Pahoa North, 1965; Pahoa South, 1966
Geology mapped from aerial photographs and field checked, 1977; revised, 1980

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey Standards and nomenclature