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ARMY ENGINEER WATERWAYS EXPERIMENT STATION VICKSBURG MS F/G 8/3
TSUNAMI-WAVE ELEVATION FREQUENCY OF OCCURRENCE FOR THE HAWAIIA--ETC(U)
1978 J R HOUSTON, R D CARVER, D G MARKLE

UNCLASSIFIED

WES-TR-H-77-16-SUPPL

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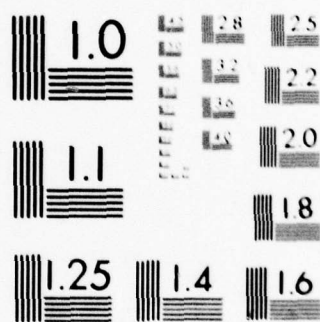
1 OF 1

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MICROCOPY RESOLUTION TEST CHART
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The inclosed plates are revisions of plots contained in the Waterways Experiment Station (WES) Technical Report H-77-16 (August 1977) entitled "Tsunami-Wave Elevation Frequency of Occurrence for the Hawaiian Islands" by James R. Houston, Robert D. Carver and Dennis G. Markle. These revisions are based upon the following items:

Supplement.

- (1) An expanded and revised historical data base for locally generated tsunamis in the Hawaiian Islands has been published in two reports since the publication of the WES report. These reports are "Local Tsunamis and Possible Local Tsunamis in Hawaii" by Doak C. Cox and Joseph Morgan, Hawaii Institute of Geophysics, HIG-77-14 (November 1977) and "Local Tsunamis in Hawaii--Implications for Hazard Zoning" by Doak C. Cox (to be published). The inclosed plots reflect the new data base.
- (2) The period of analysis has been increased two years by adding the two-year interval report (1976-1978) since publication of the WES report.
- (3) Datum changes for certain historical data have been made so that all historical data are relative to the Mean Sea Level Datum.
- (4) Smoothing of the calculated coefficients during the plotting process has been eliminated.
- (5) The plots for the island of Molokai are now based upon the largest ten events instead of a lesser number of events.

The Pacific Ocean Division of the Corps of Engineers is in possession of the data upon which the inclosed plots are based.

LEVEL

Rept. for 1976-1978;

11 1978

12 34p.

WES-TR-H-77-16-Supplement

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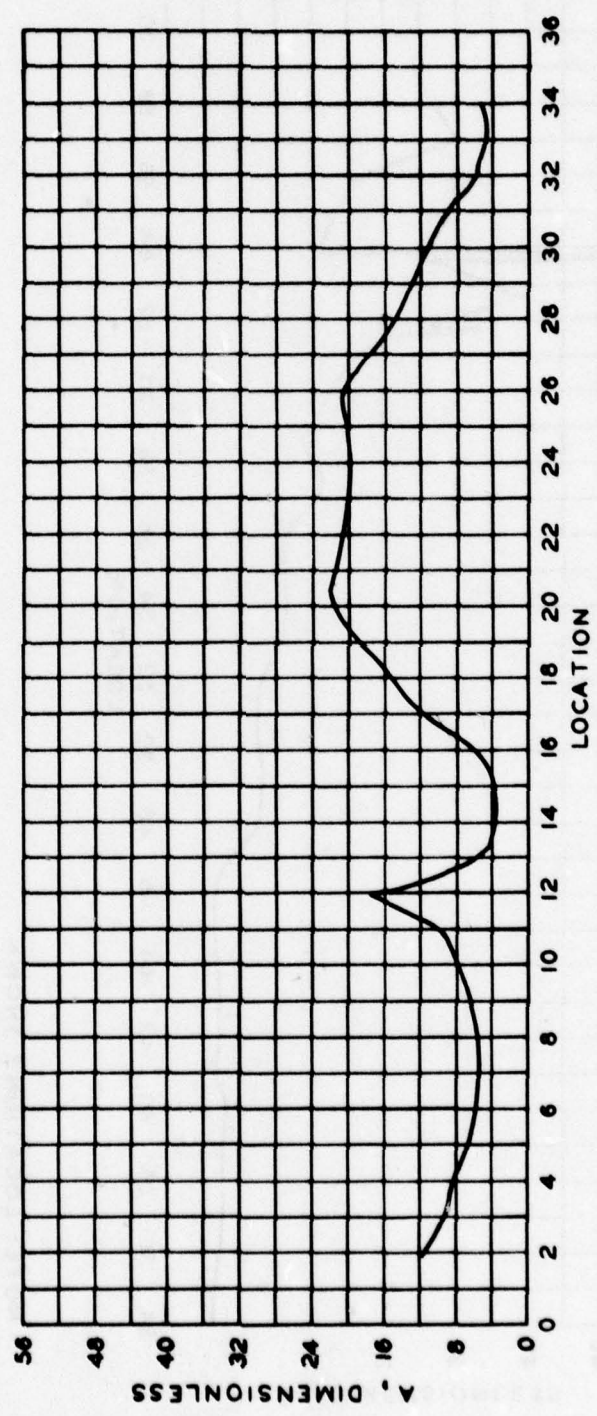
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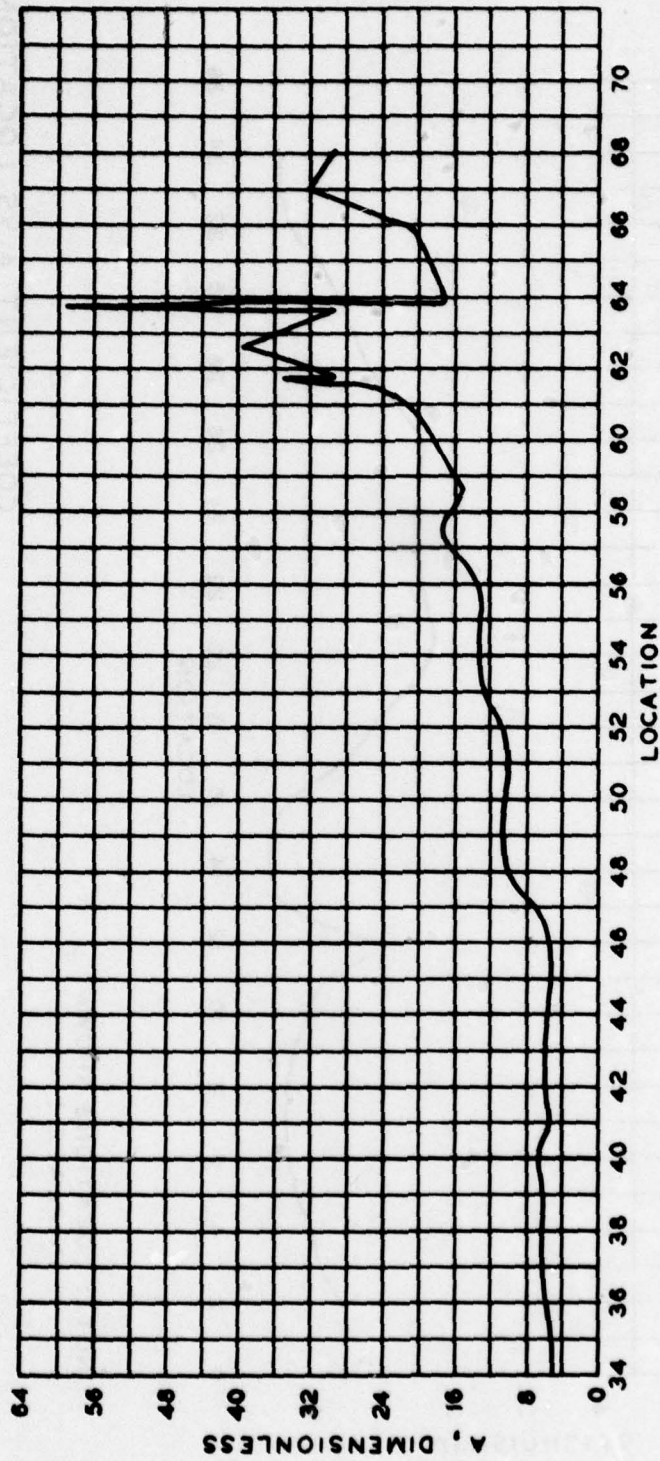
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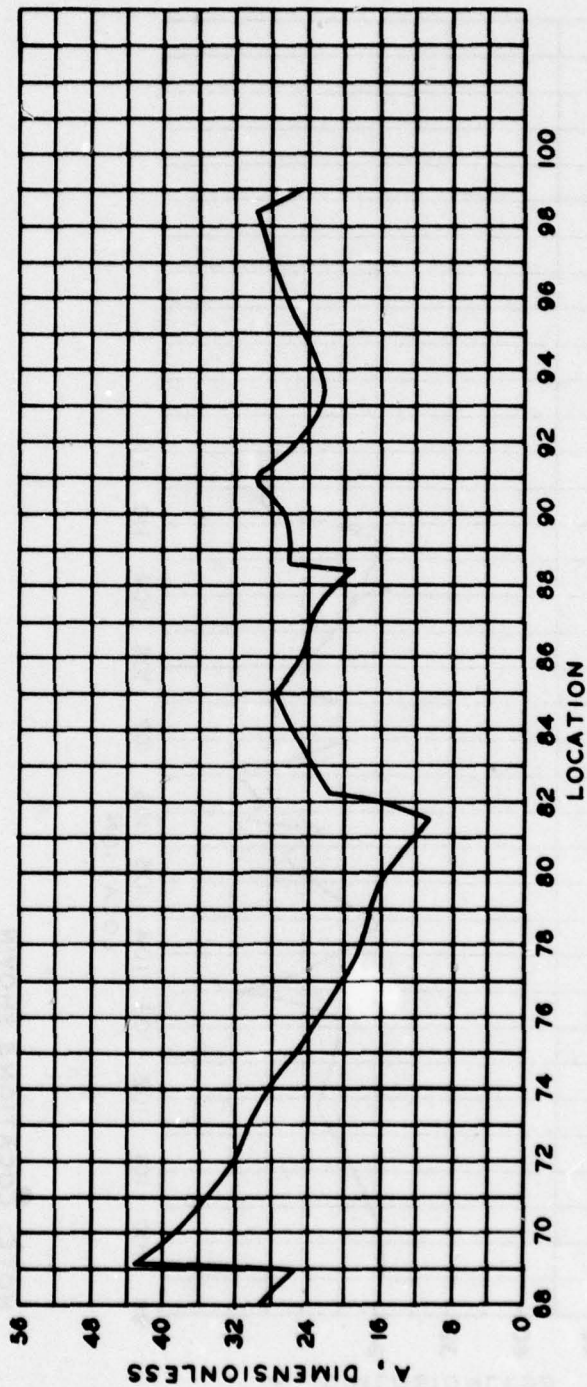
NOTE: LOCATIONS SHOWN
IN PLATE 1

COEFFICIENT A VS LOCATION
HAWAII
LOCATIONS 1-34



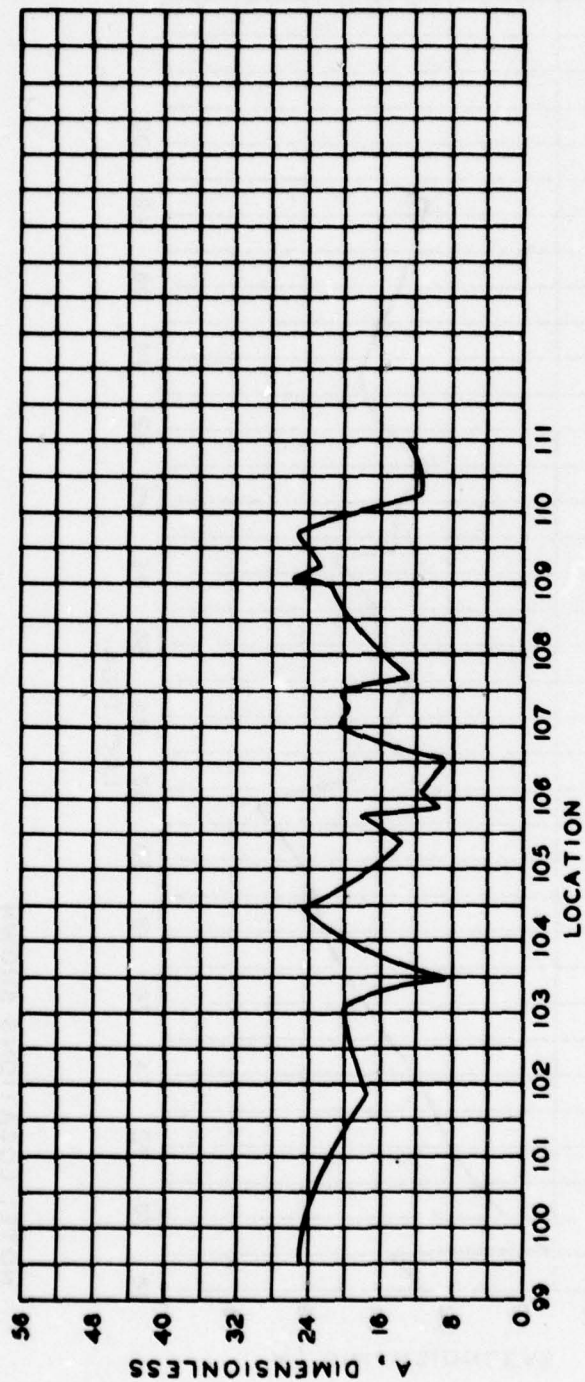
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COEFFICIENT A VS LOCATION
HAWAII
LOCATIONS 35-68



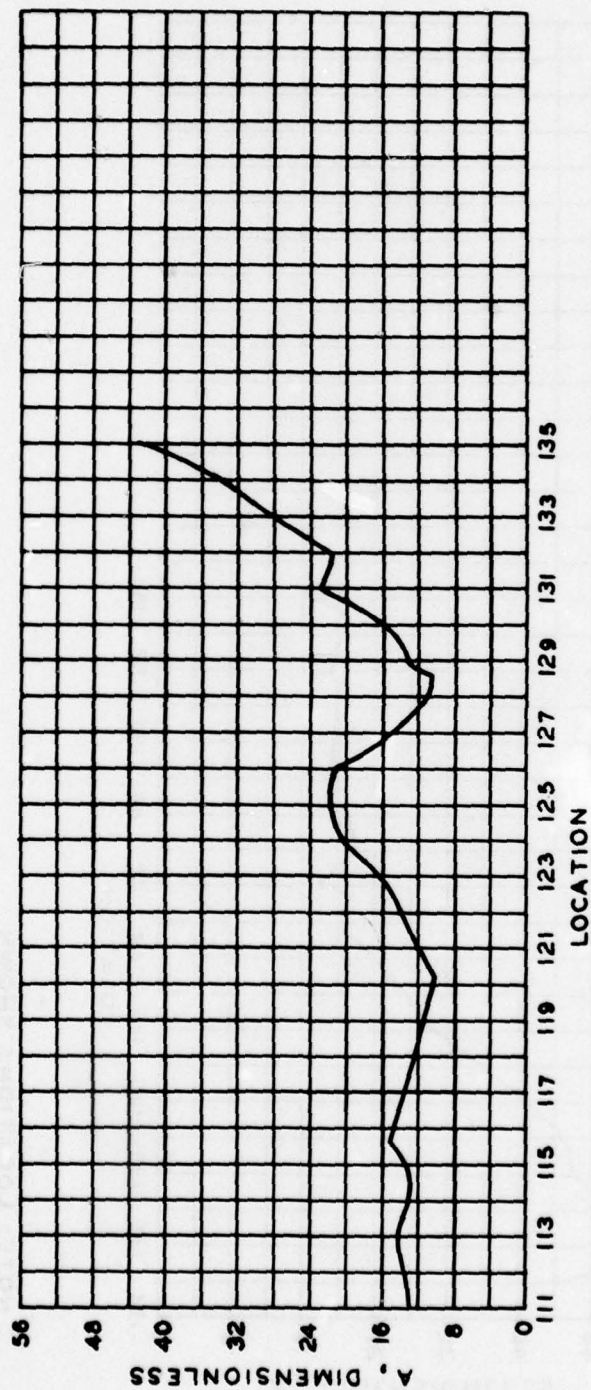
NOTE: LOCATIONS SHOWN
IN PLATE I

COEFFICIENT A VS LOCATION
HAWAII
LOCATIONS 69-99



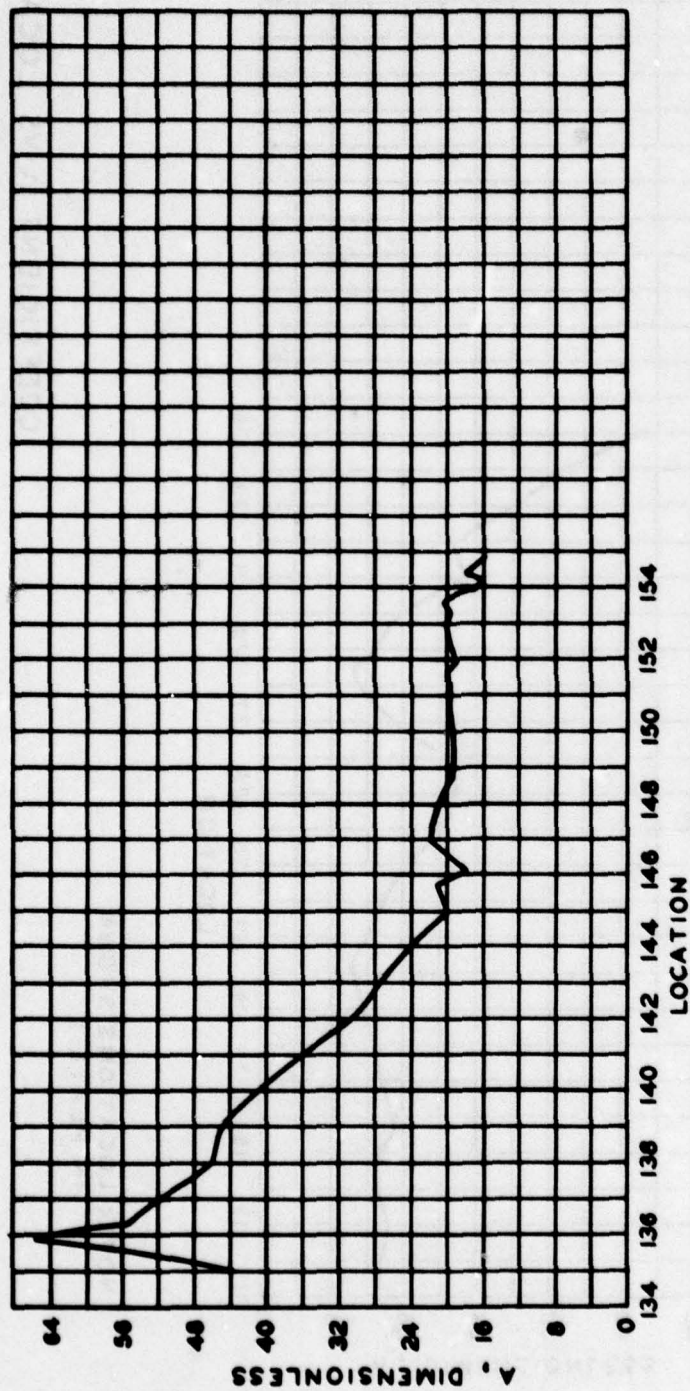
NOTE: LOCATIONS SHOWN
IN PLATE 2

COEFFICIENT A VS LOCATION
HILO HARBOR & VICINITY
LOCATIONS 100-111



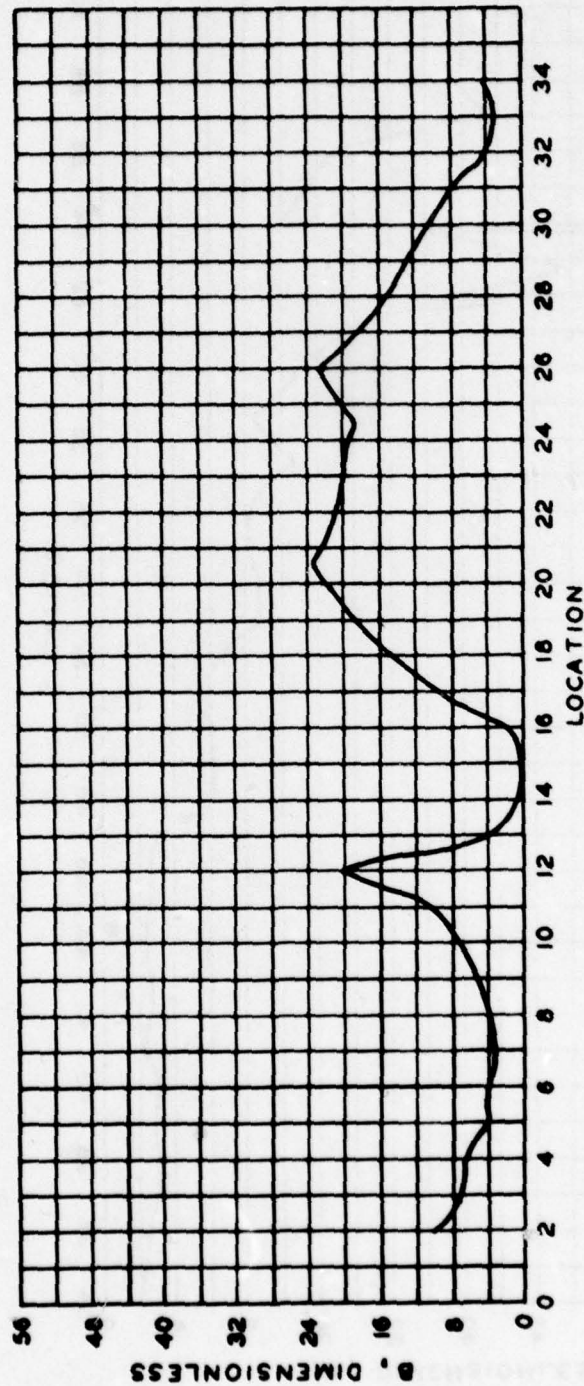
NOTE: LOCATIONS SHOWN
IN PLATE 1

COEFFICIENT A VS LOCATION
HAWAII
LOCATIONS 112-134



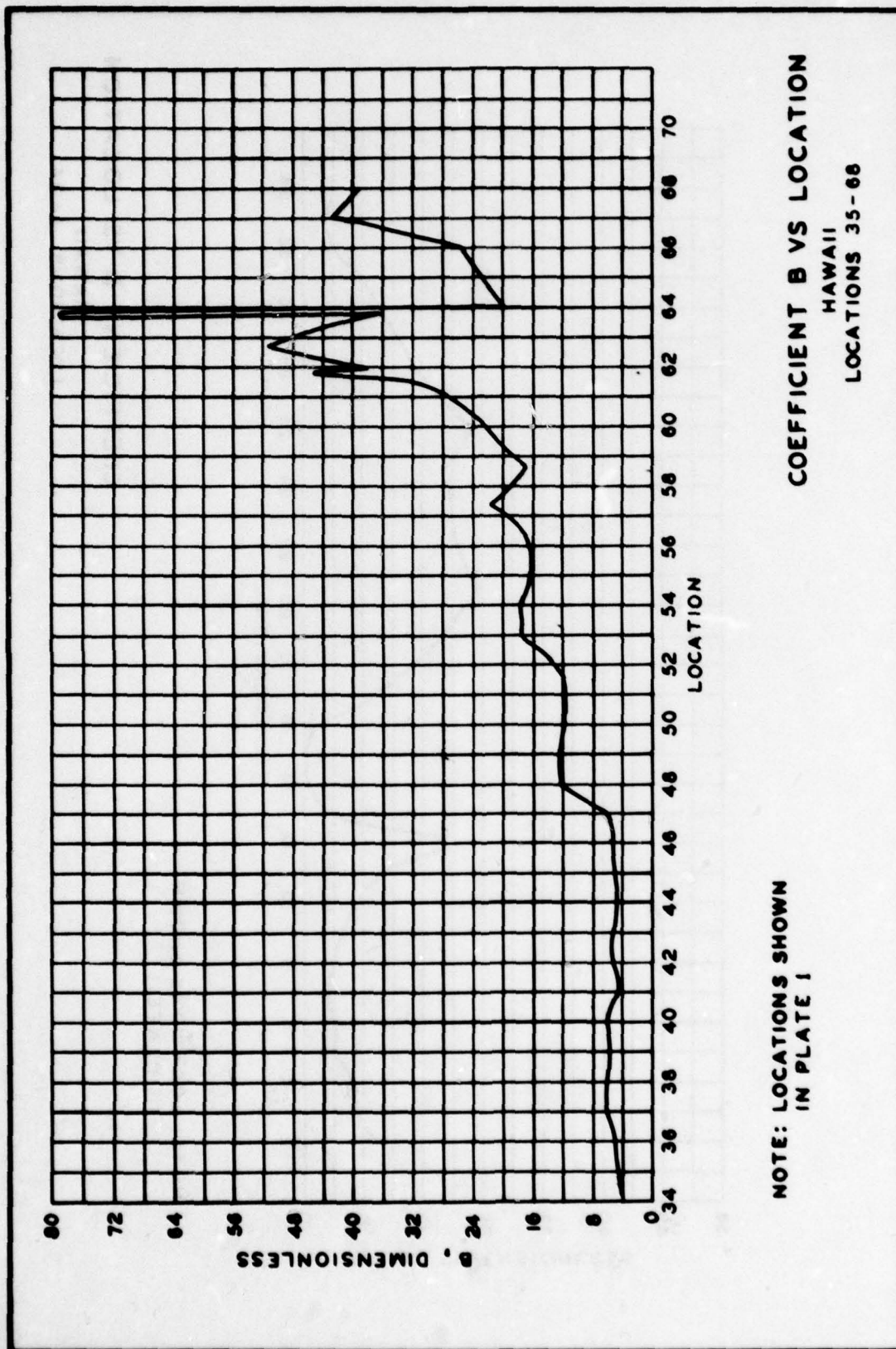
NOTE: LOCATIONS SHOWN
IN PLATE 1

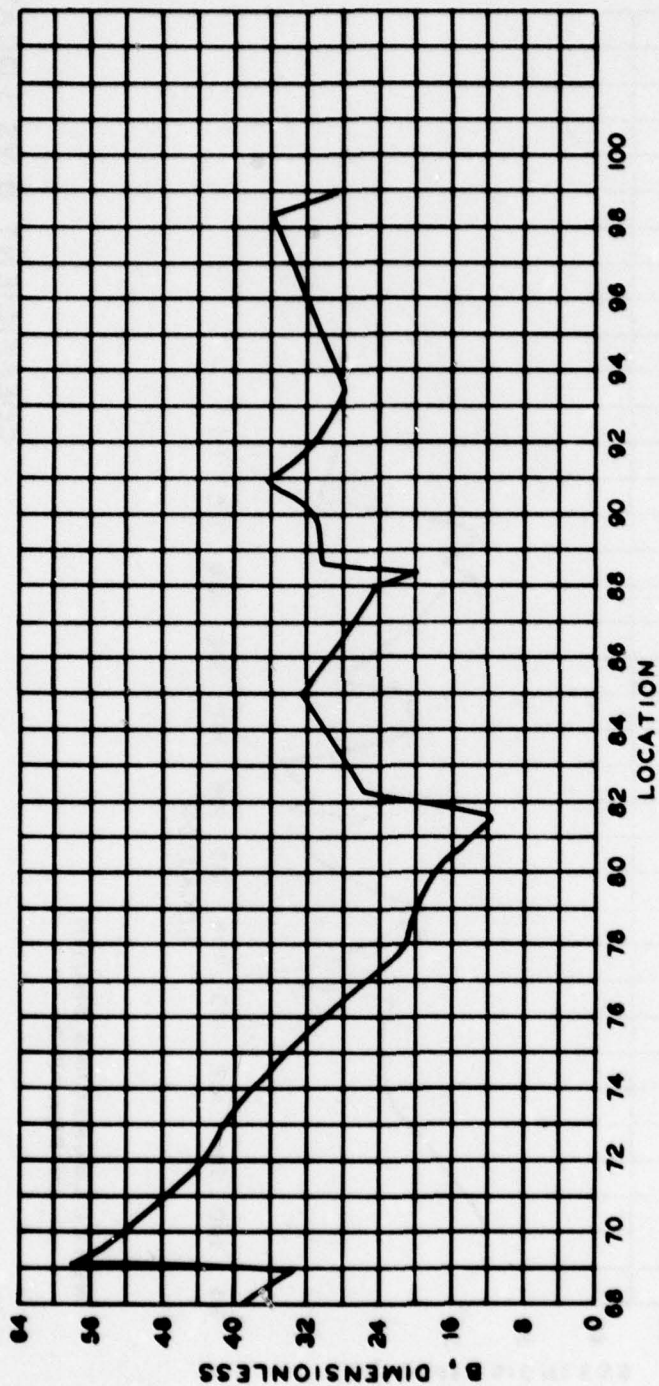
COEFFICIENT A VS LOCATION
HAWAII
LOCATIONS 135-154



NOTE: LOCATIONS SHOWN
IN PLATE 1

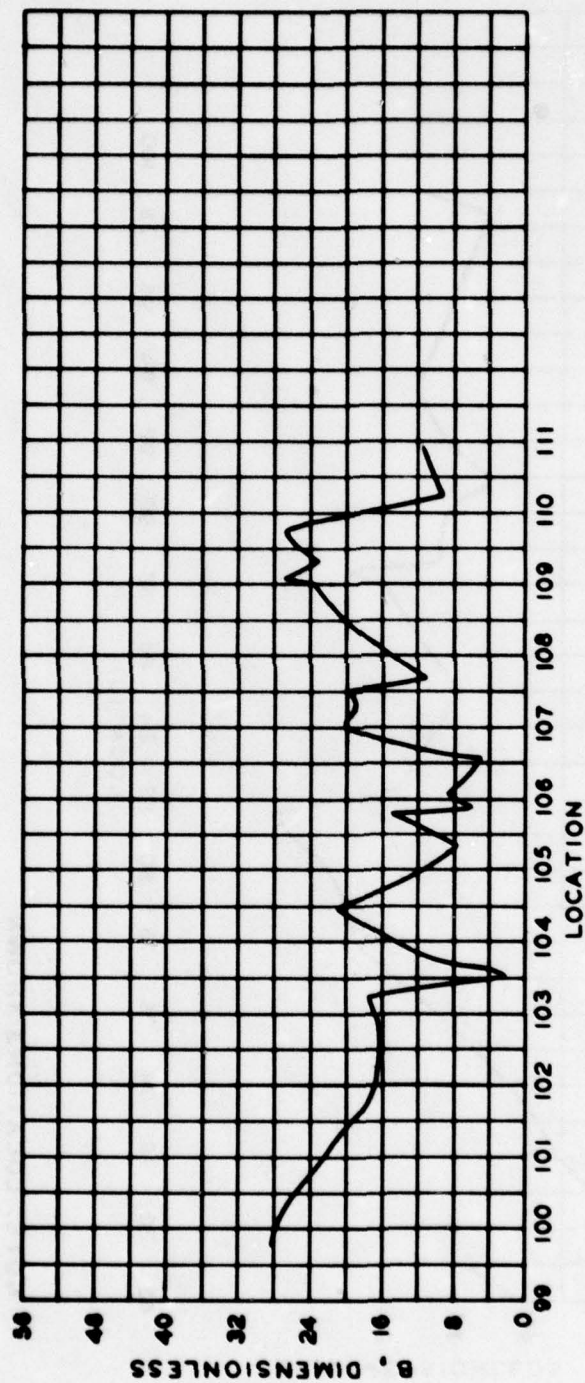
COEFFICIENT B VS LOCATION
HAWAII
LOCATIONS 1 - 34





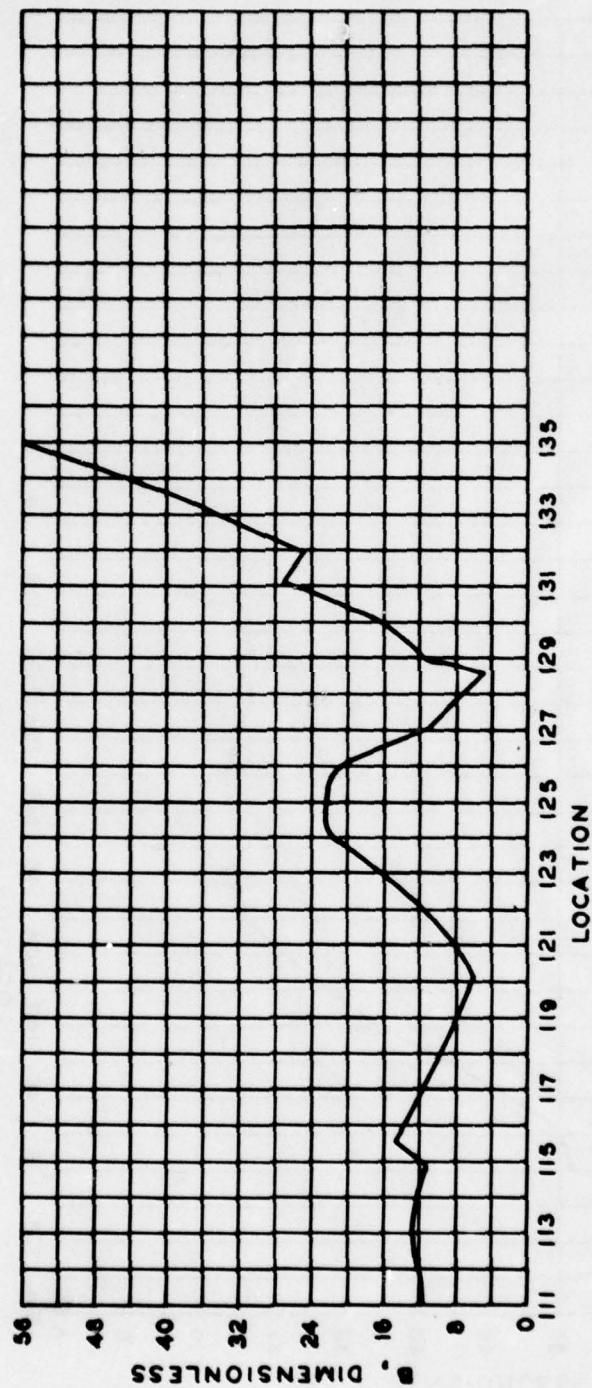
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IN PLATE 1

COEFFICIENT B VS LOCATION
HAWAII
LOCATIONS 69-99



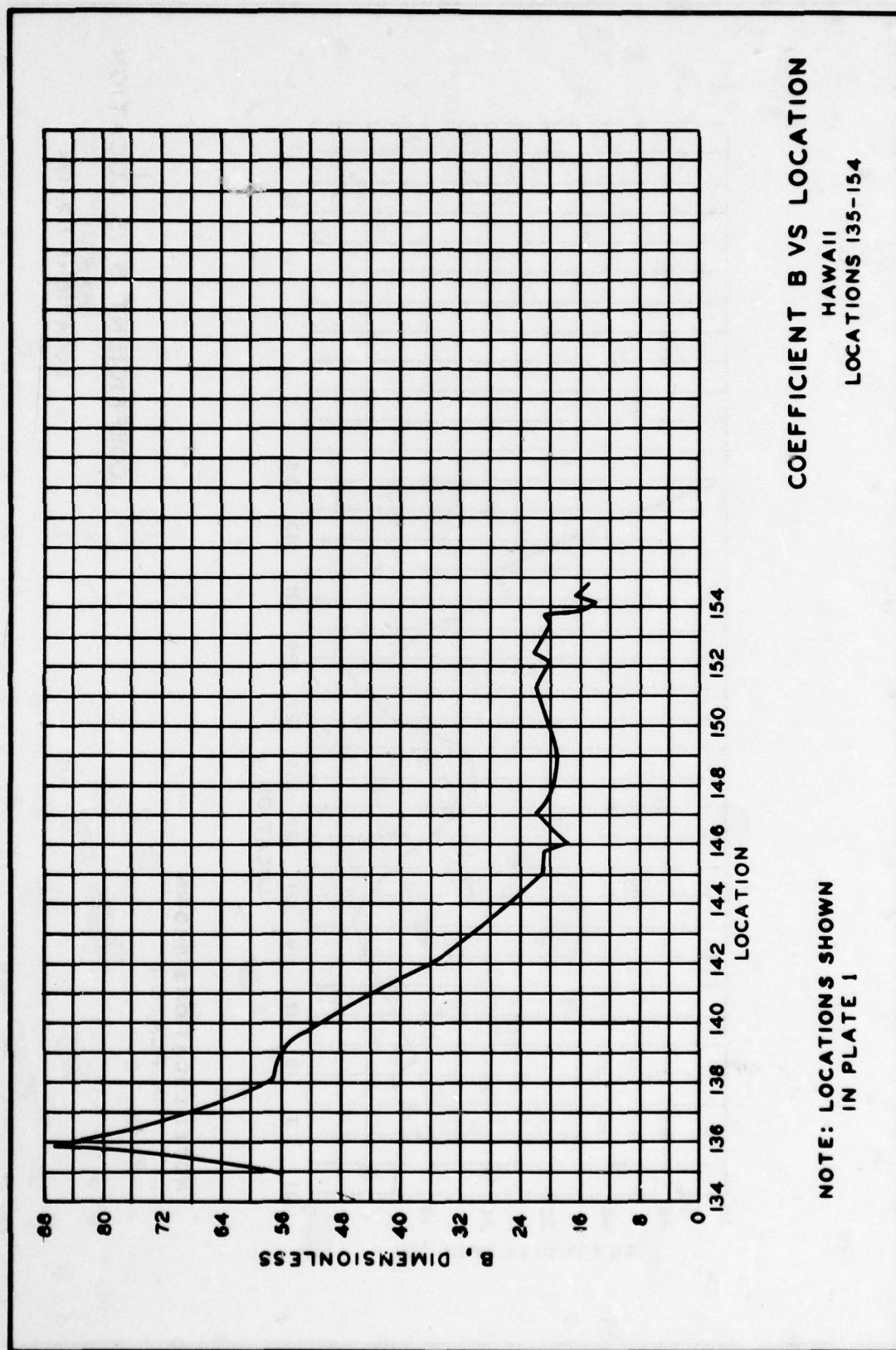
NOTE: LOCATIONS SHOWN
IN PLATE 2

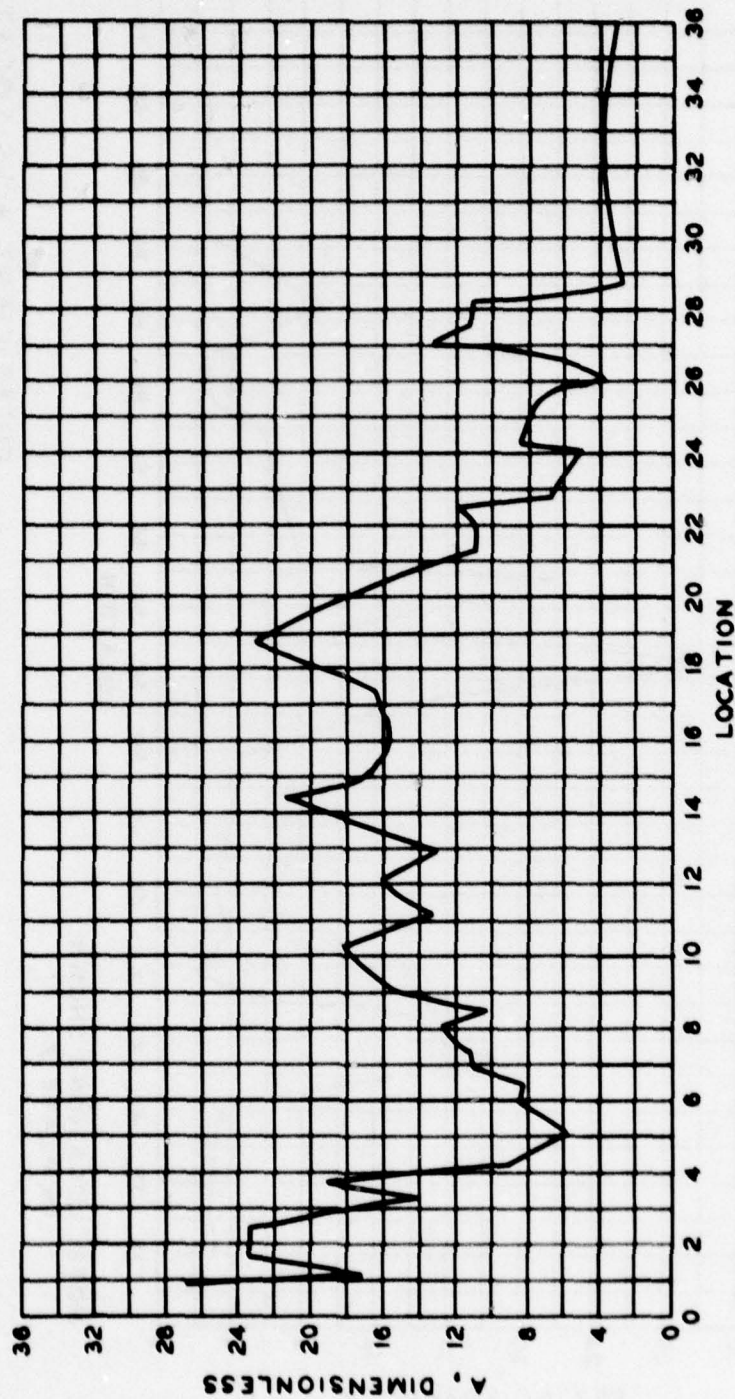
COEFFICIENT B VS LOCATION
HILO HARBOR & VICINITY
LOCATIONS 100-111



NOTE: LOCATIONS SHOWN
IN PLATE 1

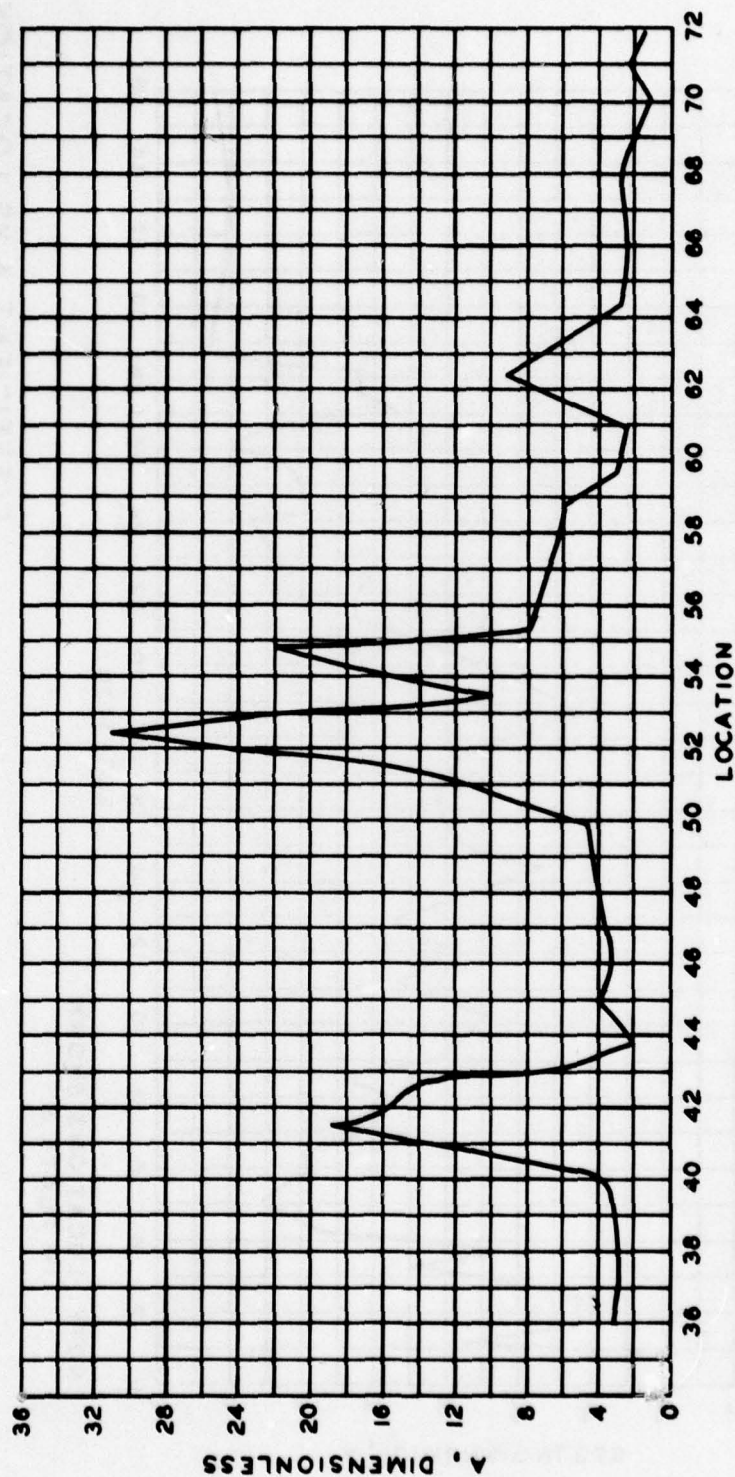
COEFFICIENT B VS LOCATION
HAWAII
LOCATIONS 112-134





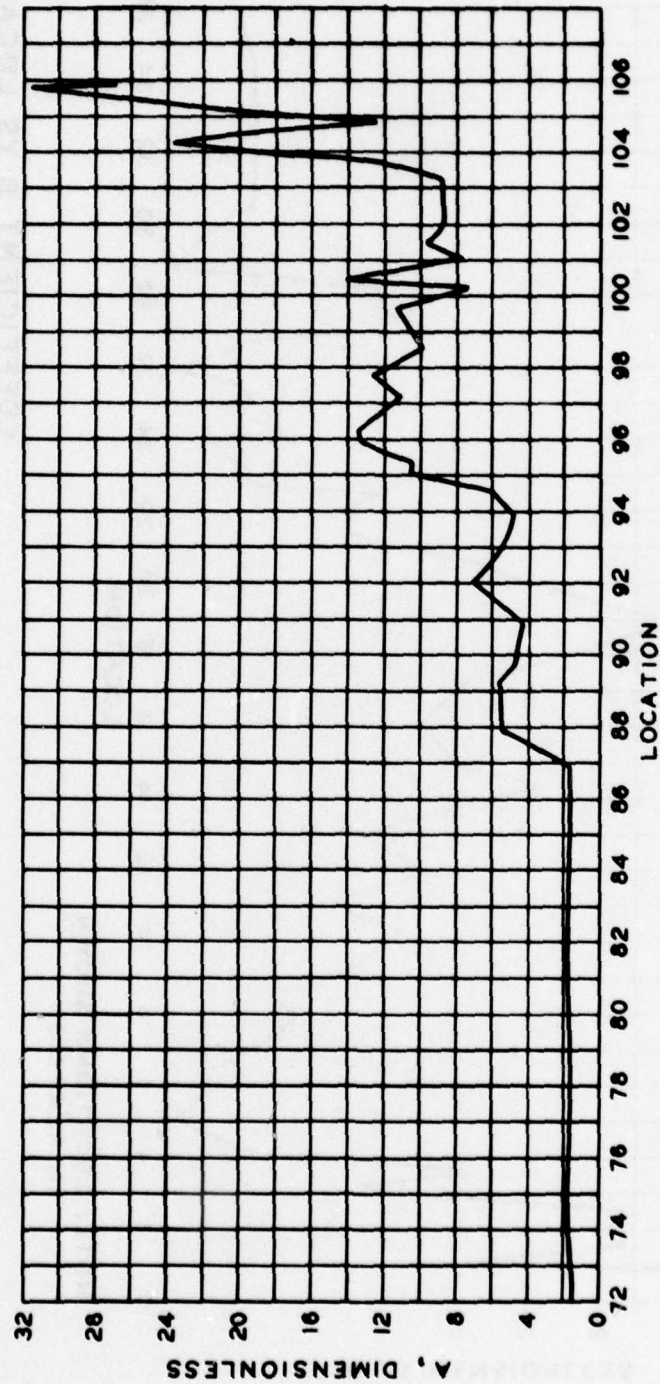
NOTE: LOCATIONS SHOWN
IN PLATE 3

COEFFICIENT A VS LOCATION
OAHU
LOCATIONS 1-36



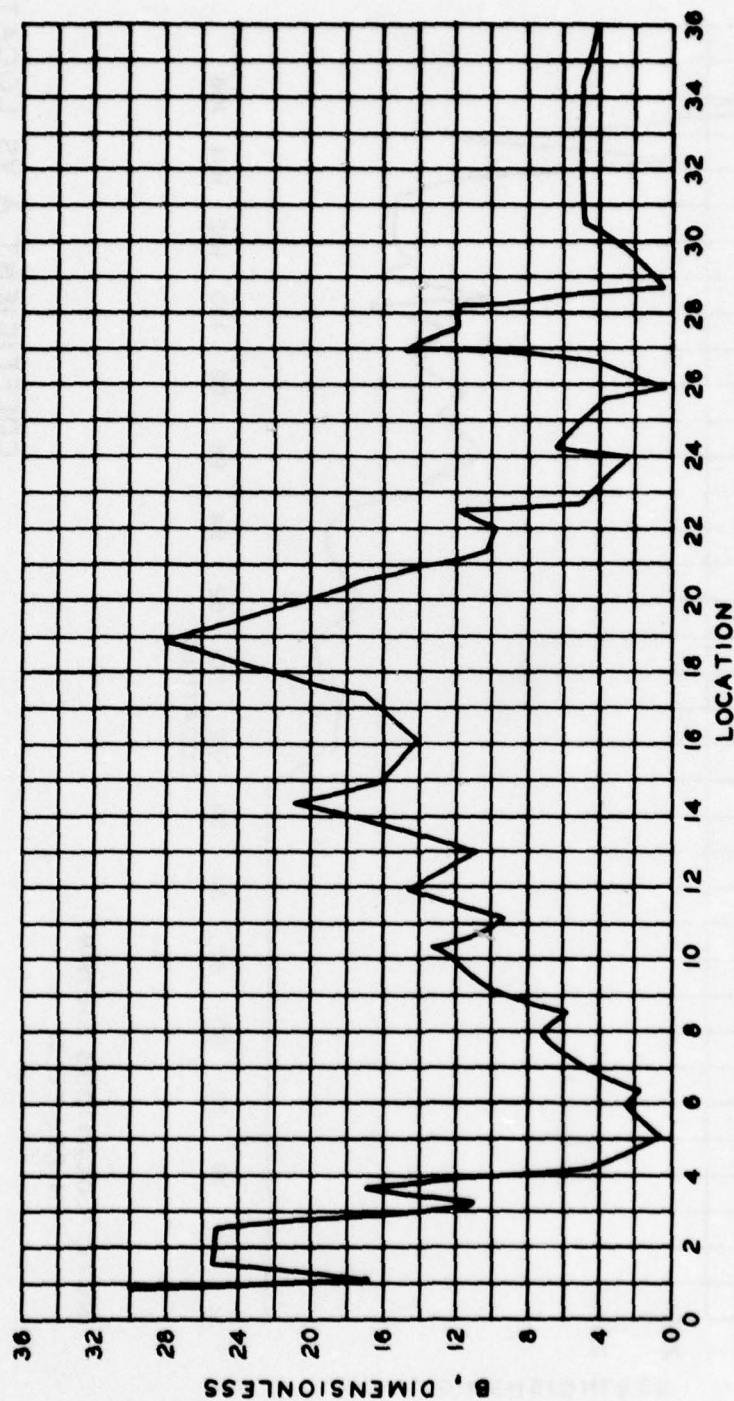
NOTE: LOCATIONS SHOWN
IN PLATE 3

COEFFICIENT A VS LOCATION
OAHU
LOCATIONS 37-72



NOTE: LOCATIONS SHOWN
IN PLATE 3

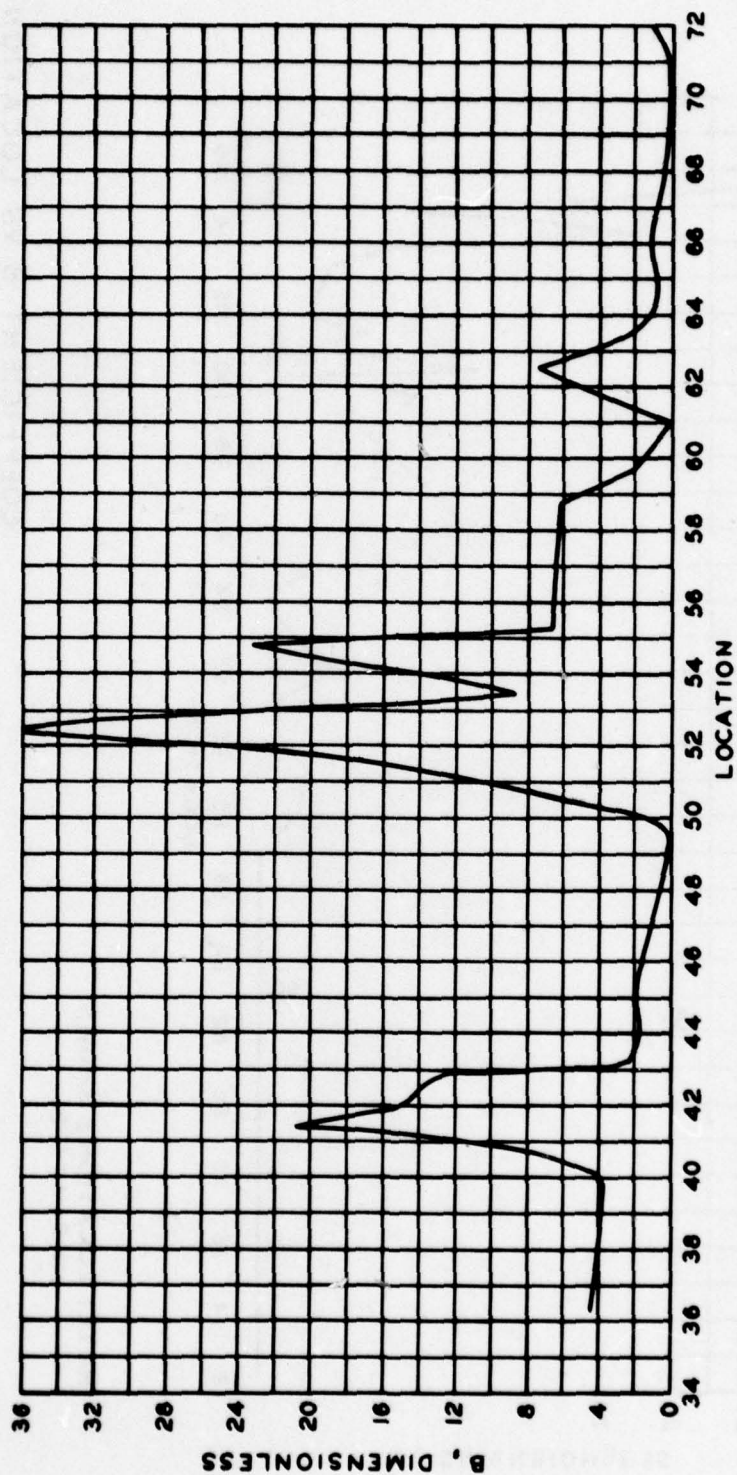
COEFFICIENT A VS LOCATION
OAHU
LOCATIONS 73-105



NOTE: LOCATIONS SHOWN
IN PLATE 3

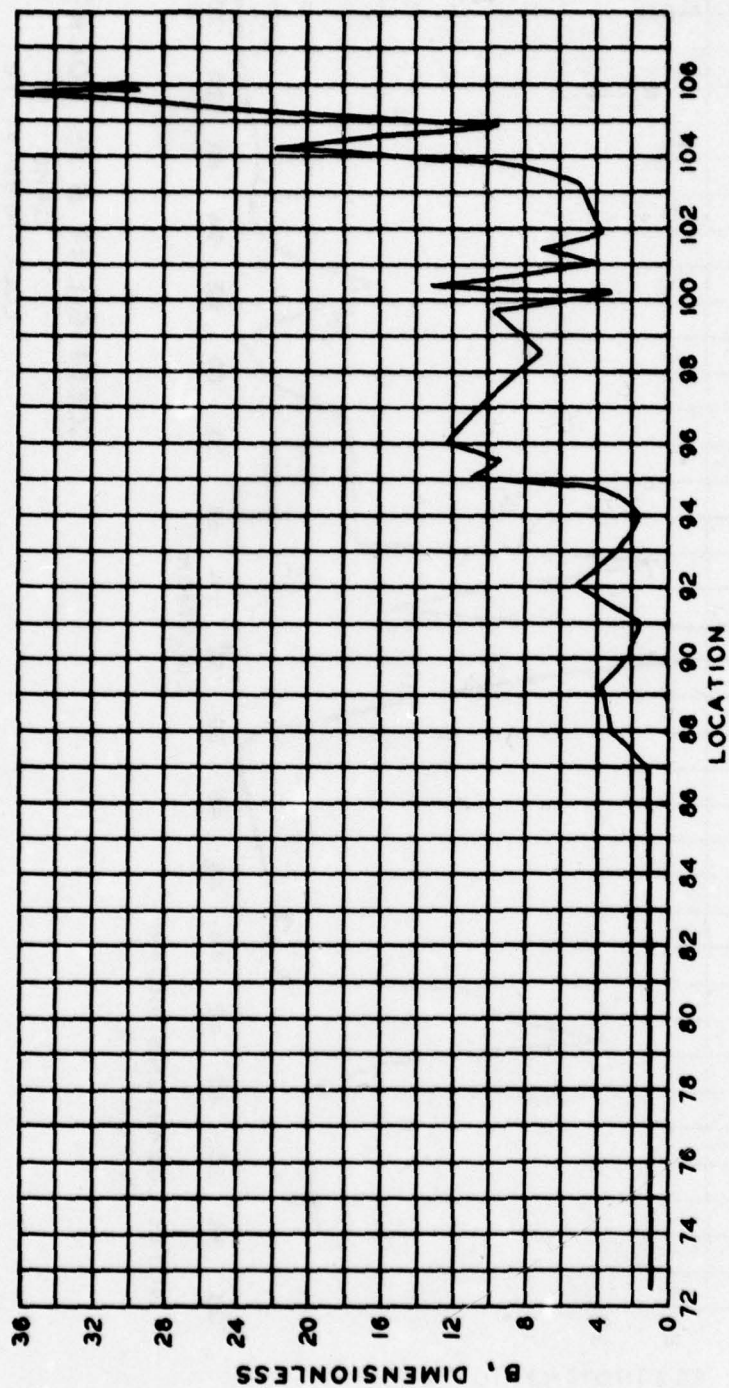
COEFFICIENT B VS LOCATION

OAHU
LOCATIONS 1-36



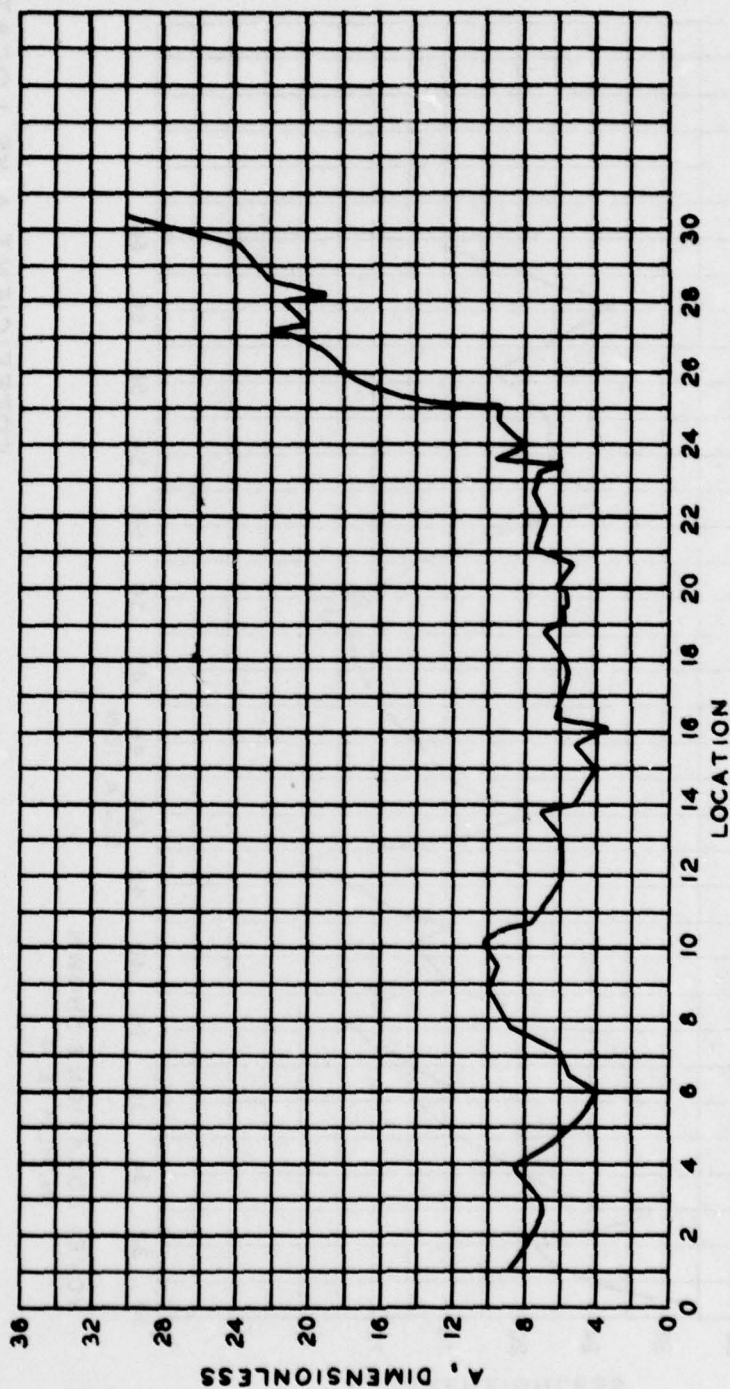
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IN PLATE 3

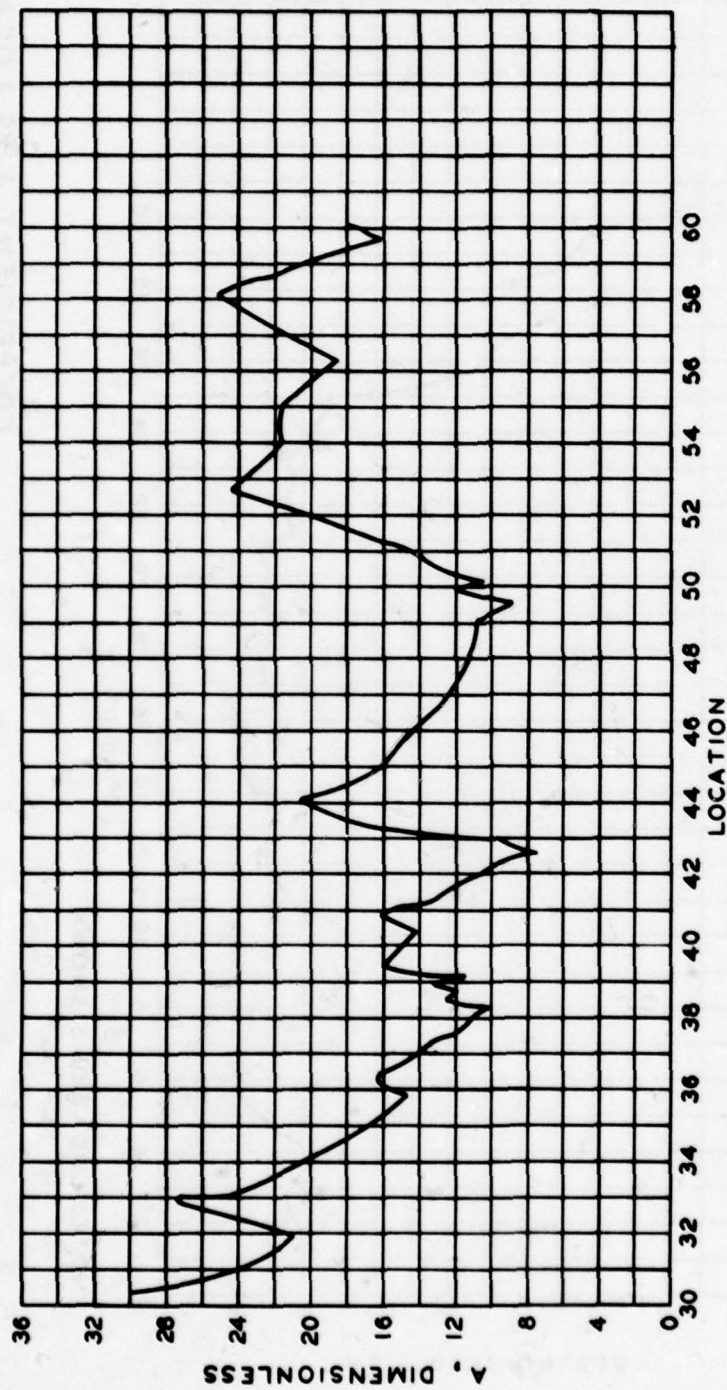
COEFFICIENT B VS LOCATION
OAHU
LOCATIONS 37-72



NOTE: LOCATIONS SHOWN
IN PLATE 3

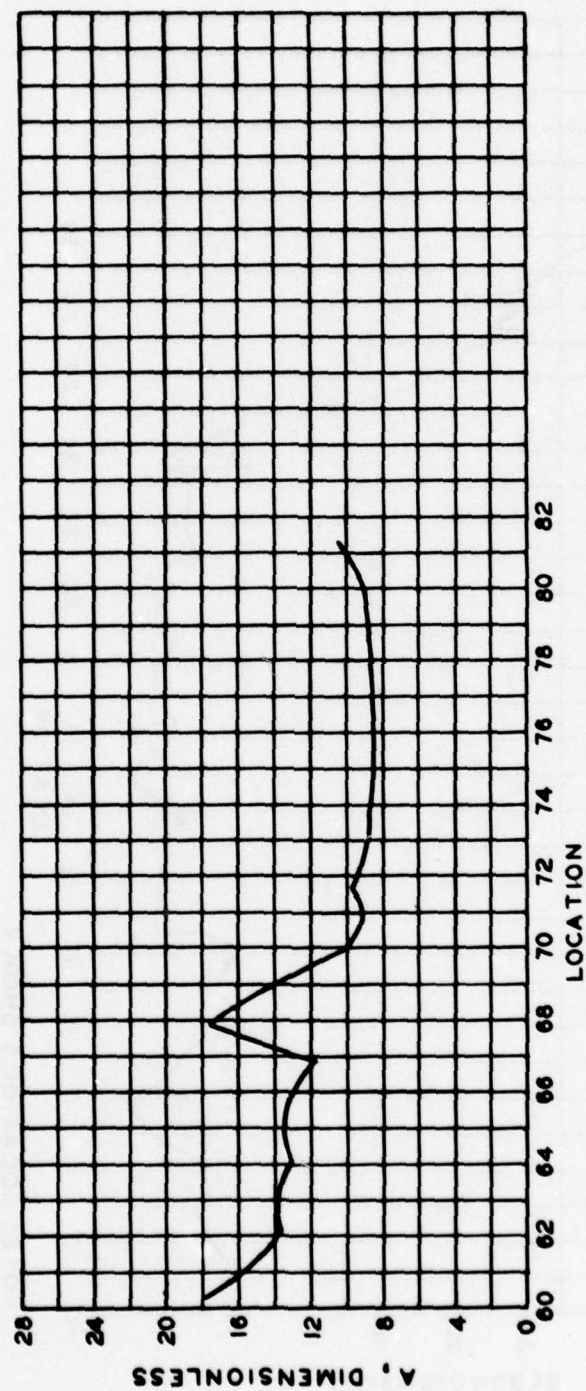
COEFFICIENT B VS LOCATION
OAHU
LOCATIONS 73-105





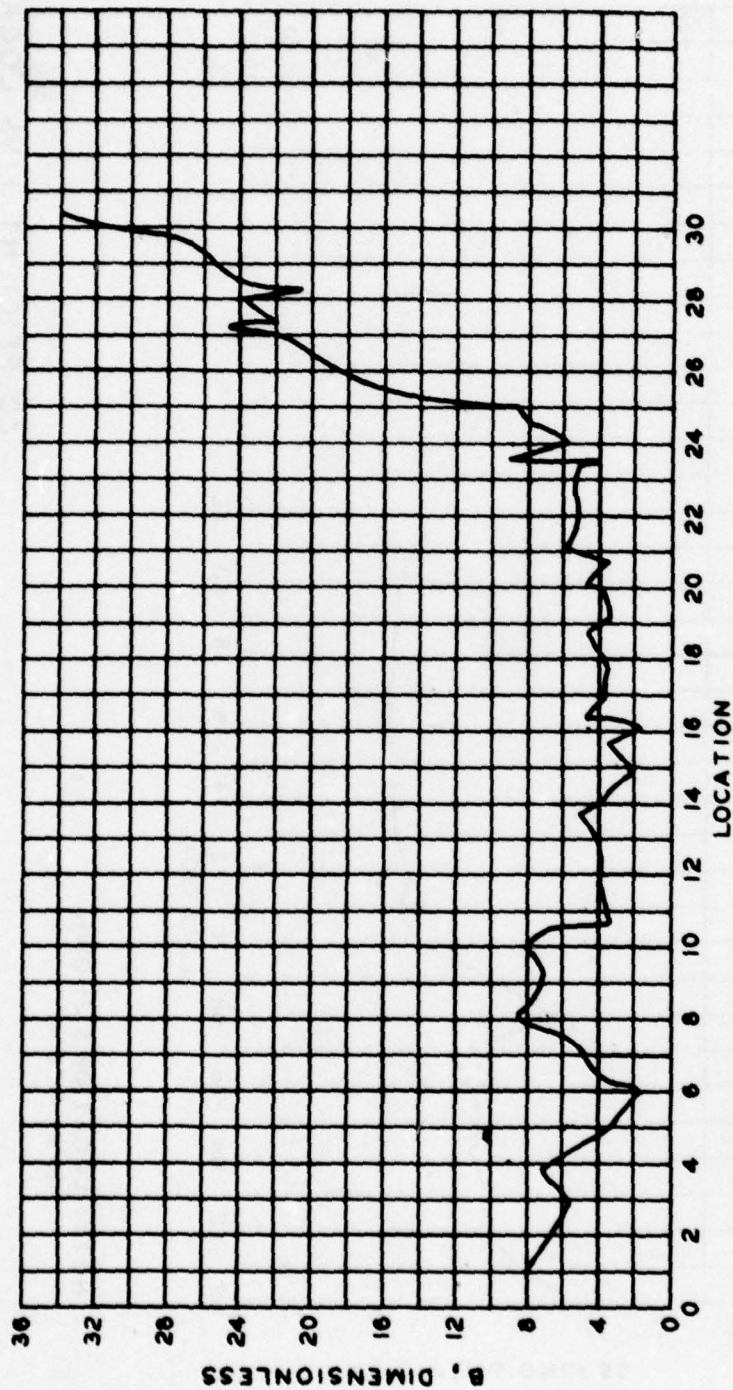
NOTE: LOCATIONS SHOWN
IN PLATE 4

COEFFICIENT A VS LOCATION
MAUI
LOCATIONS 31-60



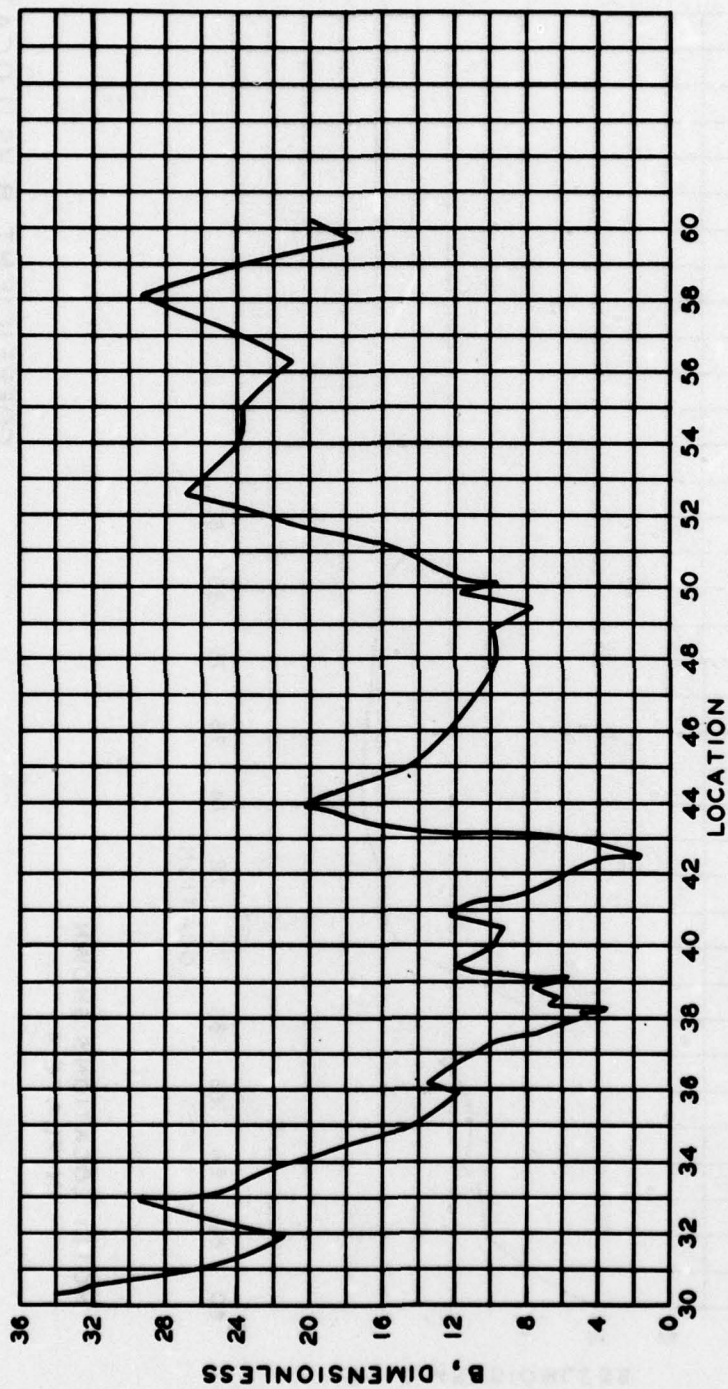
NOTE: LOCATIONS SHOWN
IN PLATE 4

COEFFICIENT A VS LOCATION
MAUI
LOCATIONS 61-81



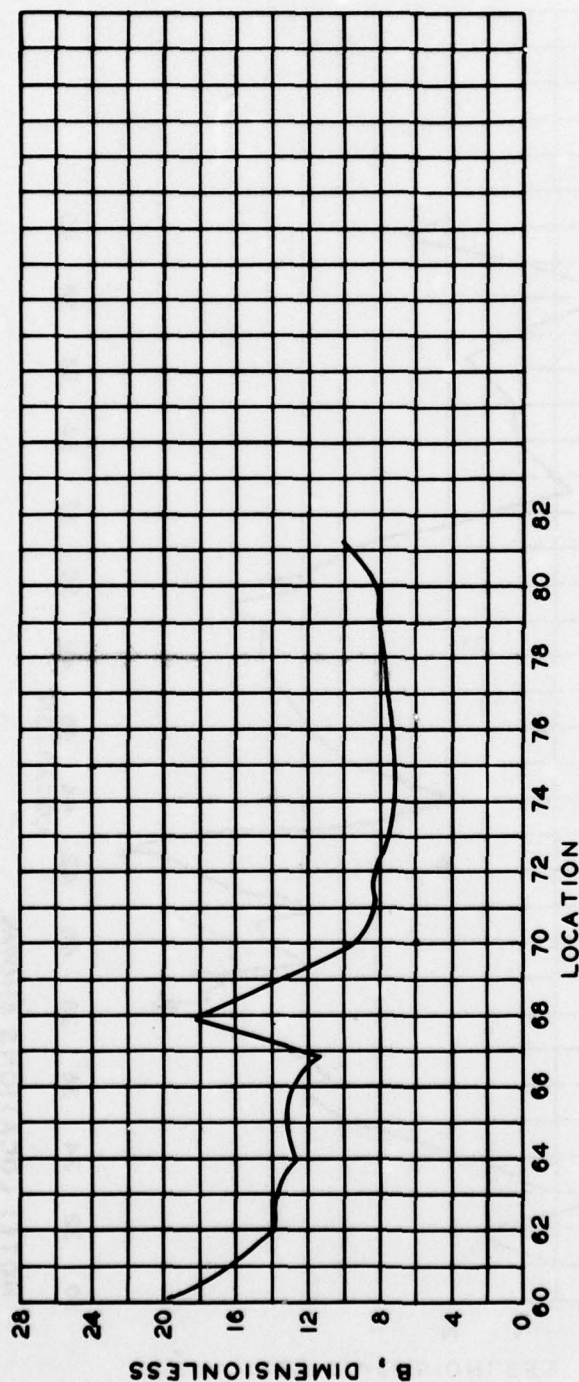
NOTE: LOCATIONS SHOWN
IN PLATE 4

COEFFICIENT B VS LOCATION
MAUI
LOCATIONS 1-30



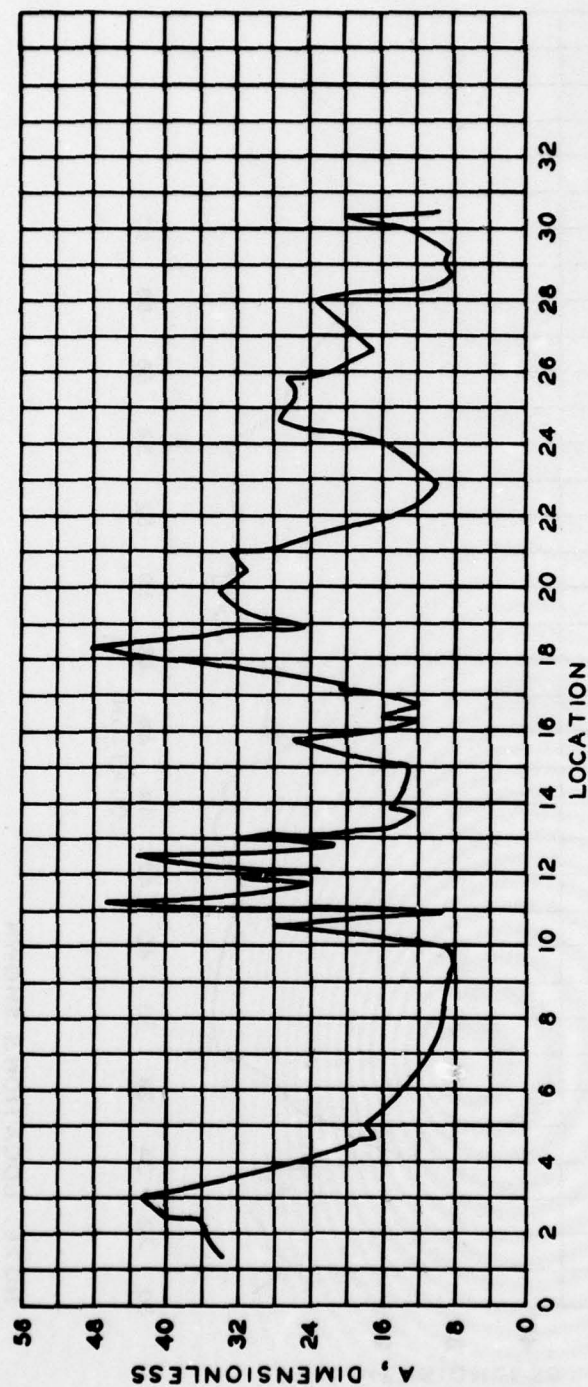
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COEFFICIENT B VS LOCATION
MAUI
LOCATIONS 31-60



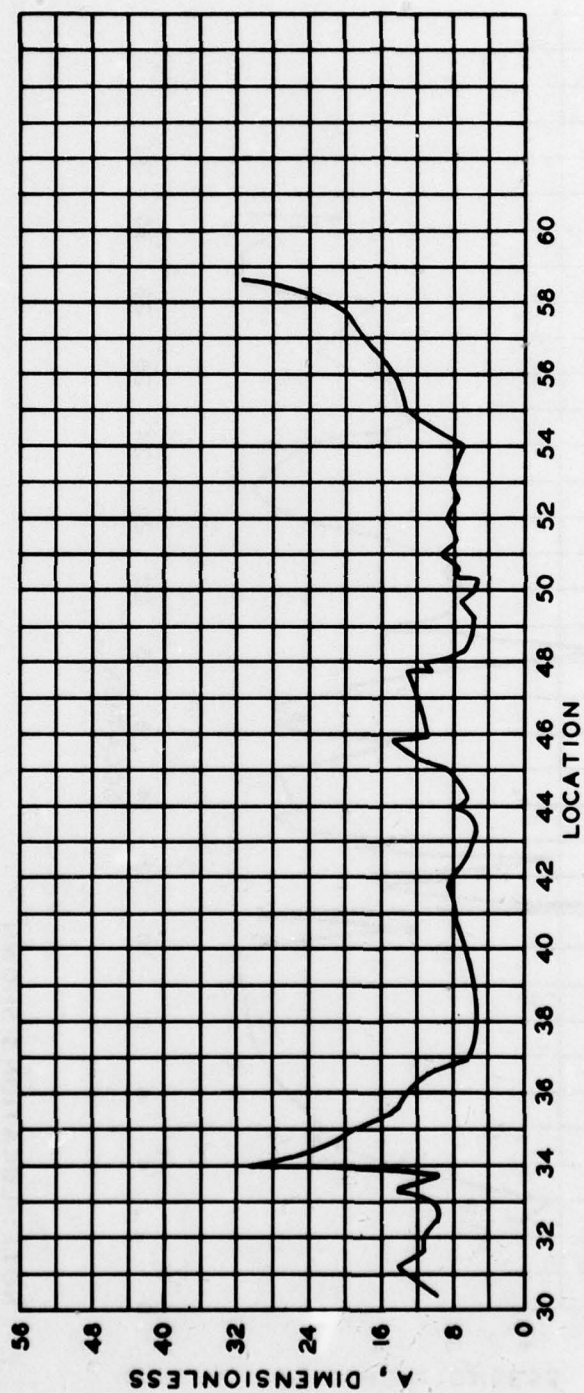
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IN PLATE 4

COEFFICIENT B VS LOCATION
MAUI
LOCATIONS 61-81



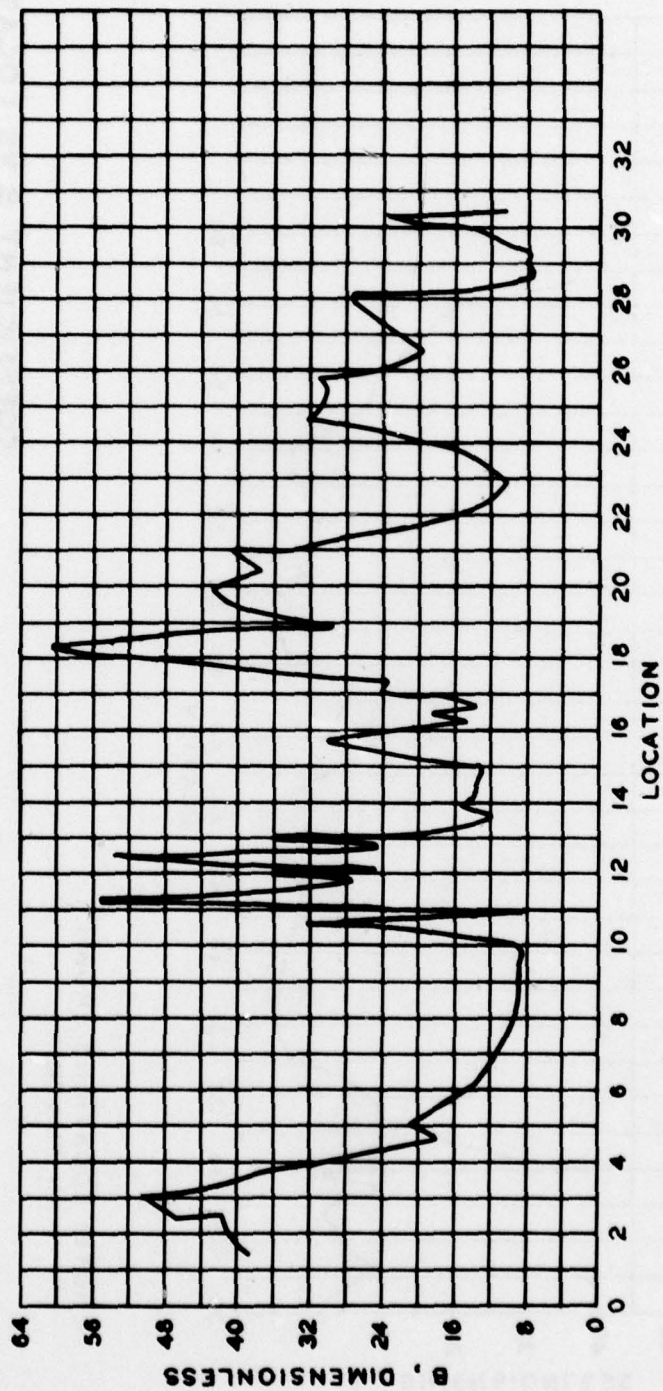
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IN PLATE 5

COEFFICIENT A VS LOCATION
KAUAI
LOCATIONS 1 - 30



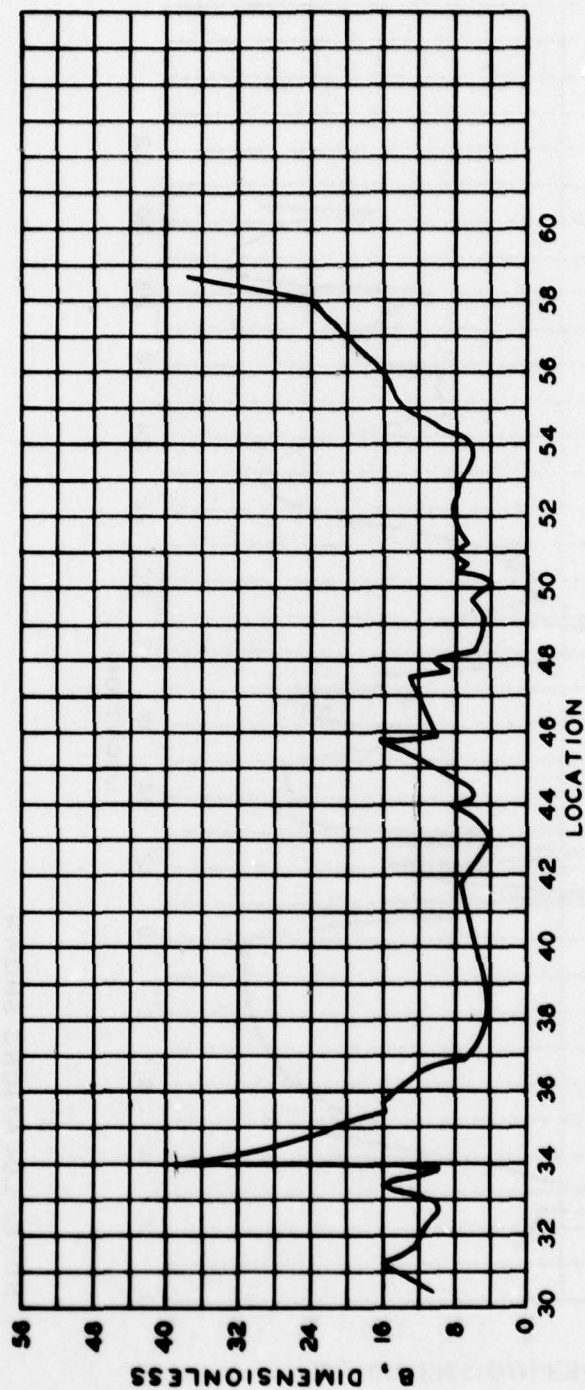
NOTE: LOCATIONS SHOWN
IN PLATE 5

COEFFICIENT A VS LOCATION
KAUAI
LOCATIONS 31-58



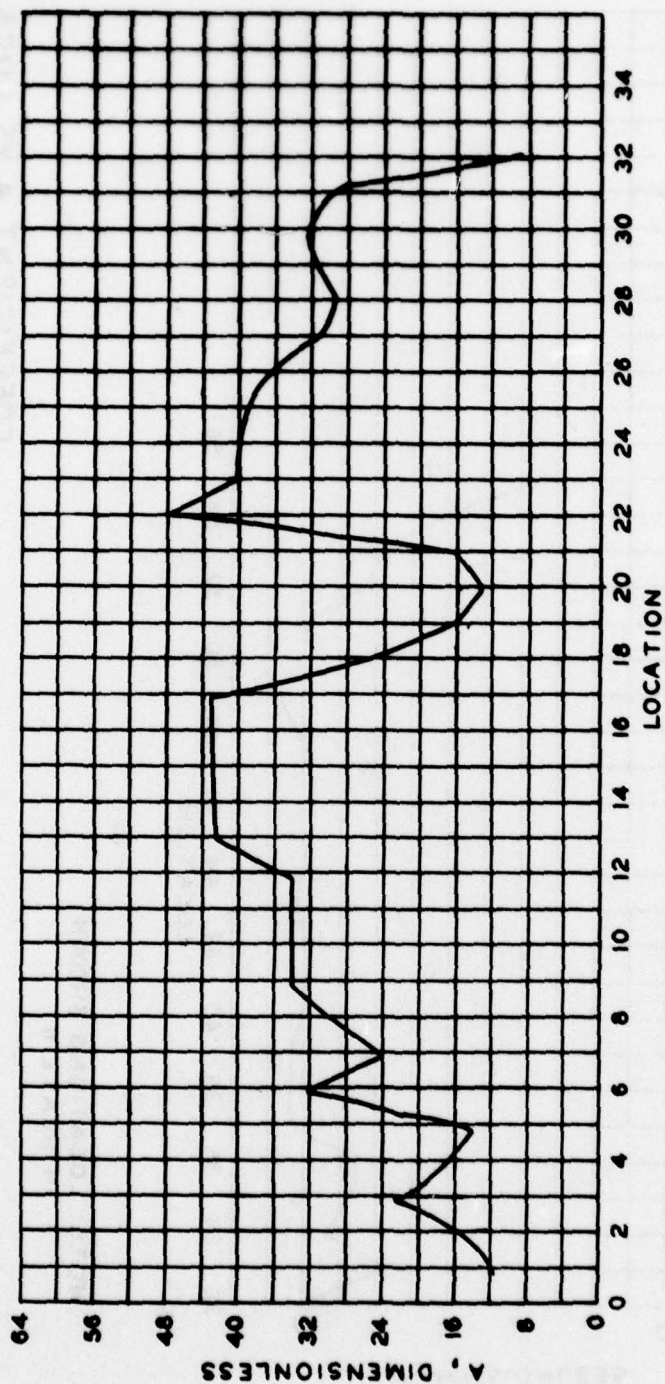
NOTE: LOCATIONS SHOWN
IN PLATE 5

COEFFICIENT B VS LOCATION
KAUAI
LOCATIONS 1-30



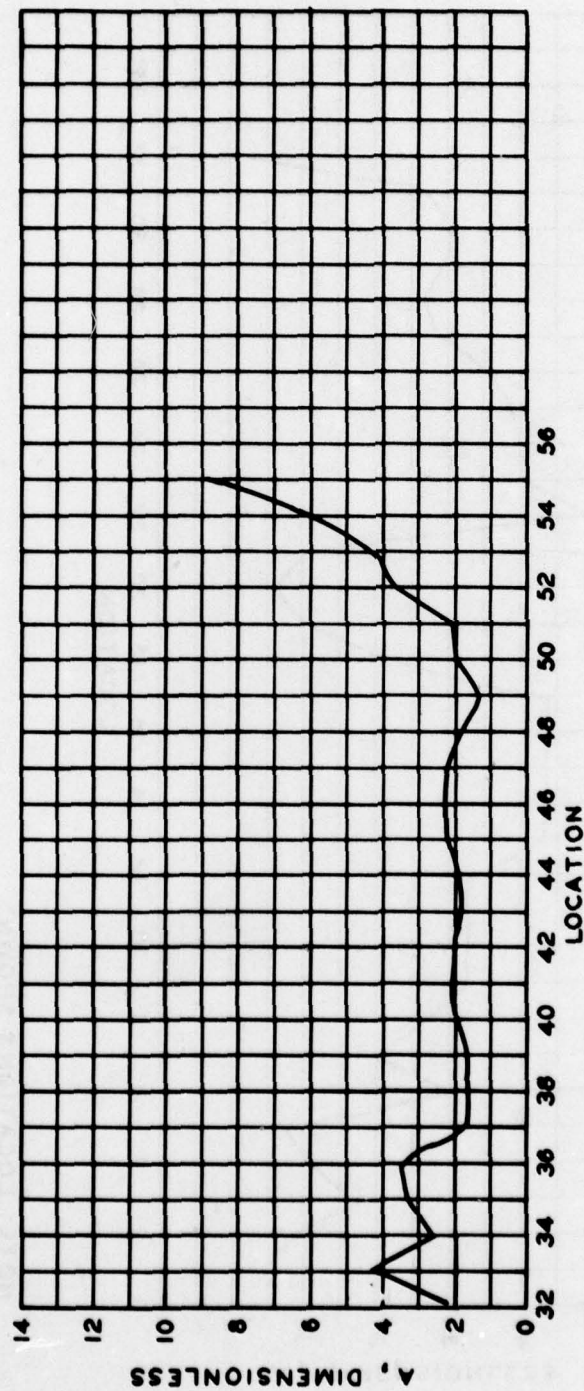
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IN PLATE 5

COEFFICIENT B VS LOCATION
KAUAI
LOCATIONS 31-58



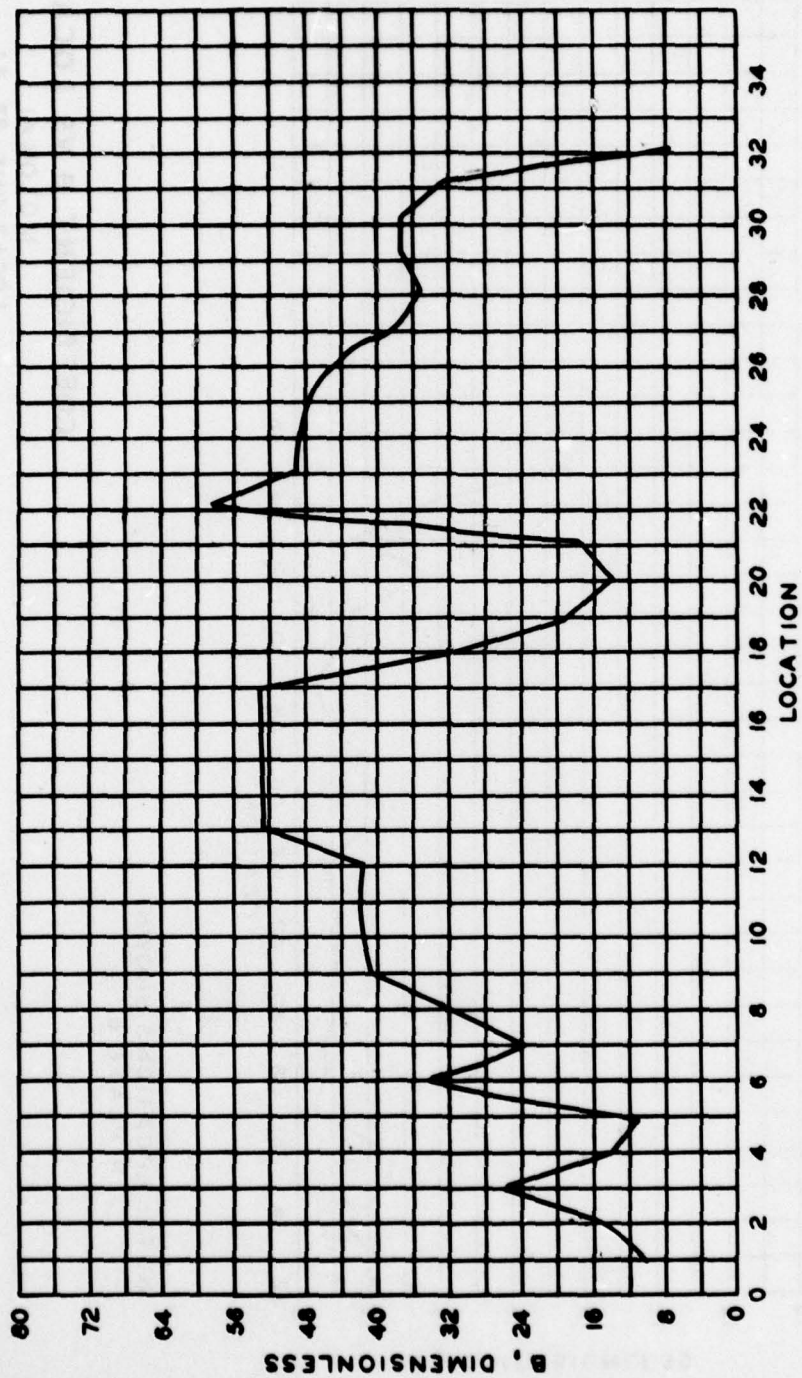
NOTE: LOCATIONS SHOWN
IN PLATE 6

COEFFICIENT A VS LOCATION
MOLOKAI
LOCATIONS 1-32



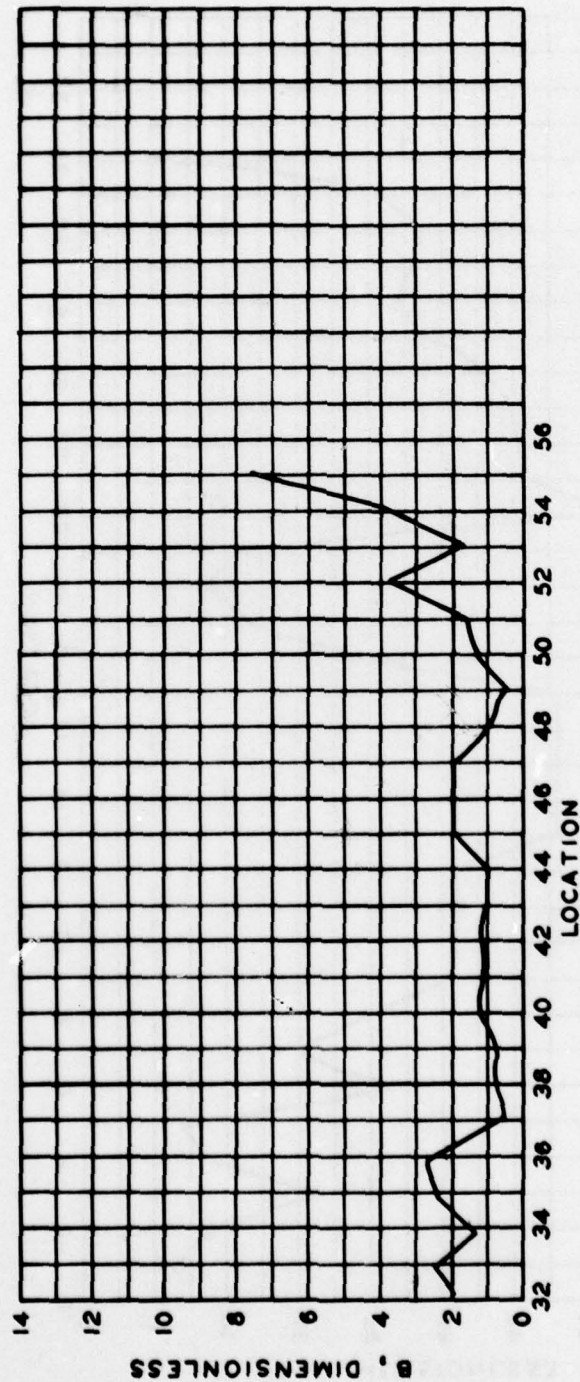
NOTE: LOCATIONS SHOWN
IN PLATE 6

COEFFICIENT A VS LOCATION
MOLOKAI
LOCATIONS 33-55



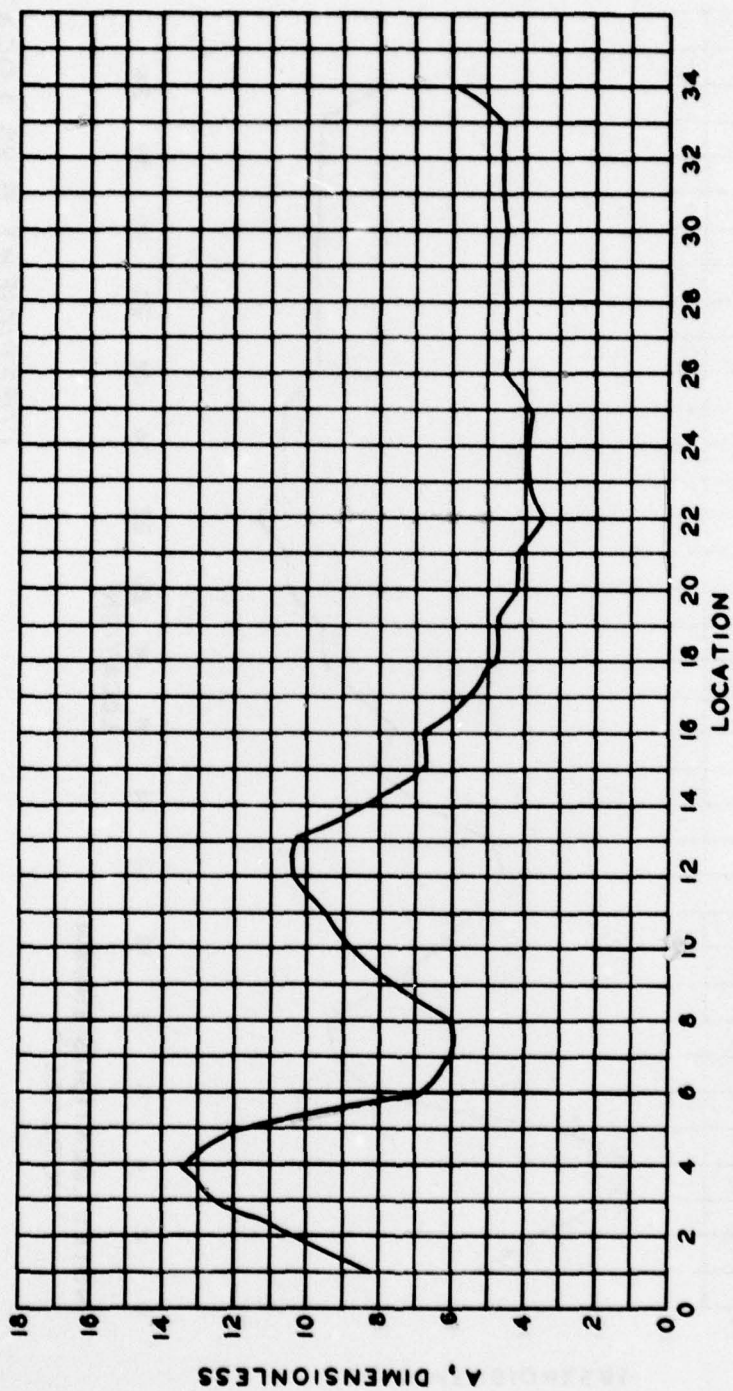
COEFFICIENT B VS LOCATION
MOLOKAI
LOCATIONS 1 - 32

NOTE: LOCATIONS SHOWN
IN PLATE 6



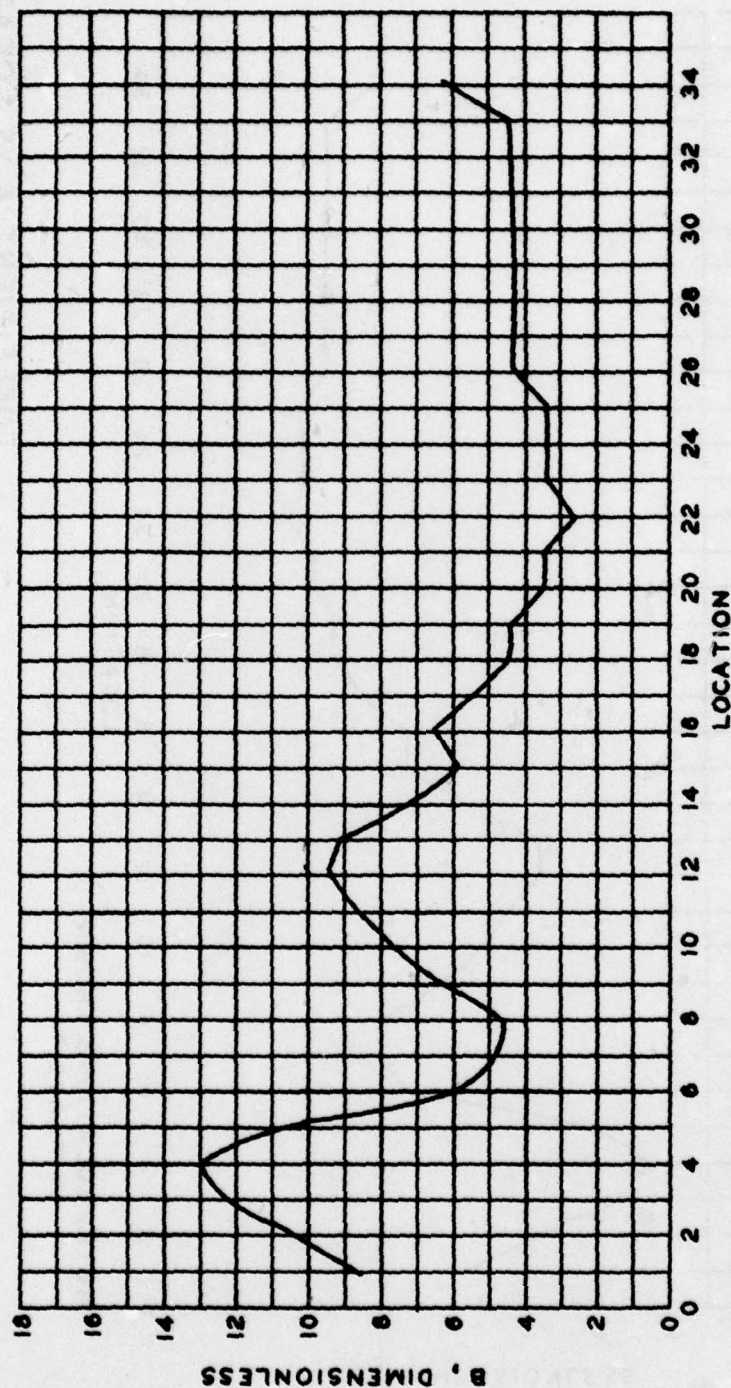
NOTE: LOCATIONS SHOWN
IN PLATE 6

COEFFICIENT B VS LOCATION
MOLOKAI
LOCATIONS 33-55



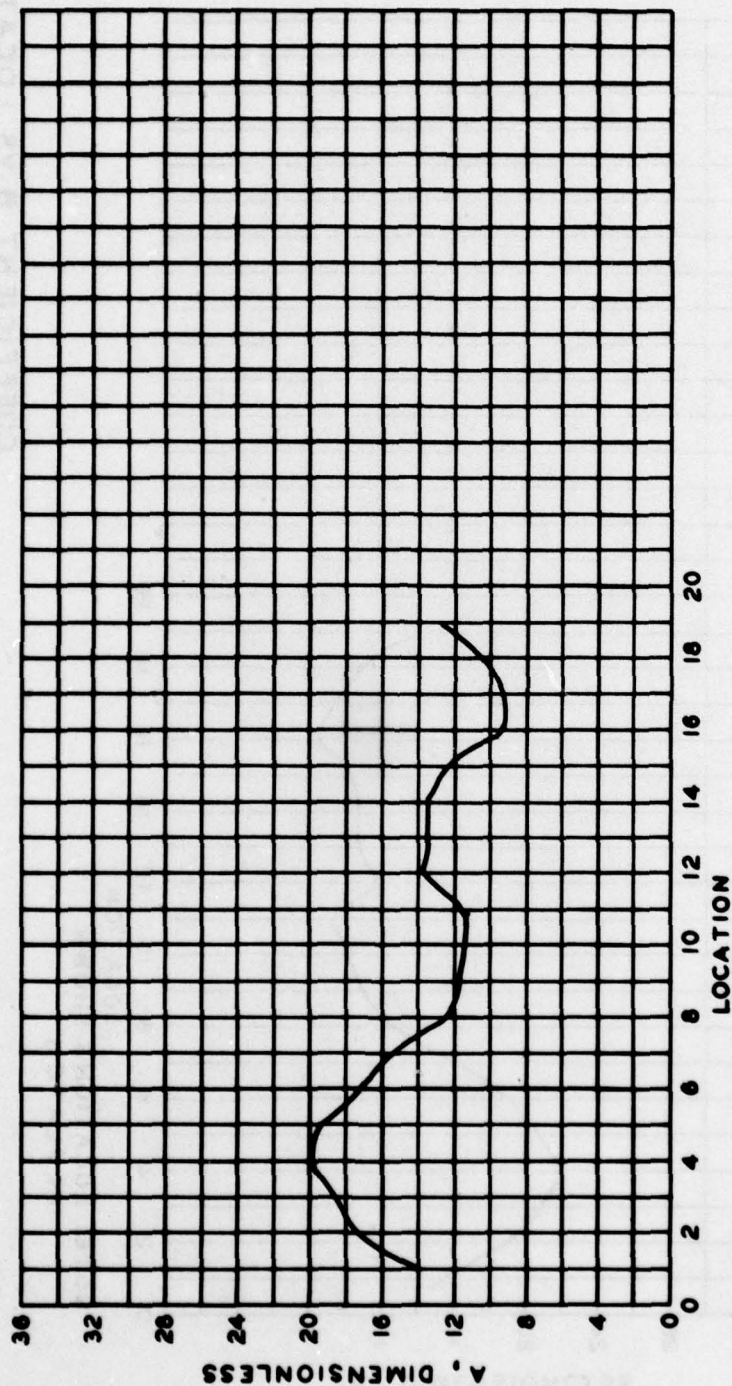
NOTE: LOCATIONS SHOWN
IN PLATE 7

COEFFICIENT A VS LOCATION
LANAI
LOCATIONS 1-34



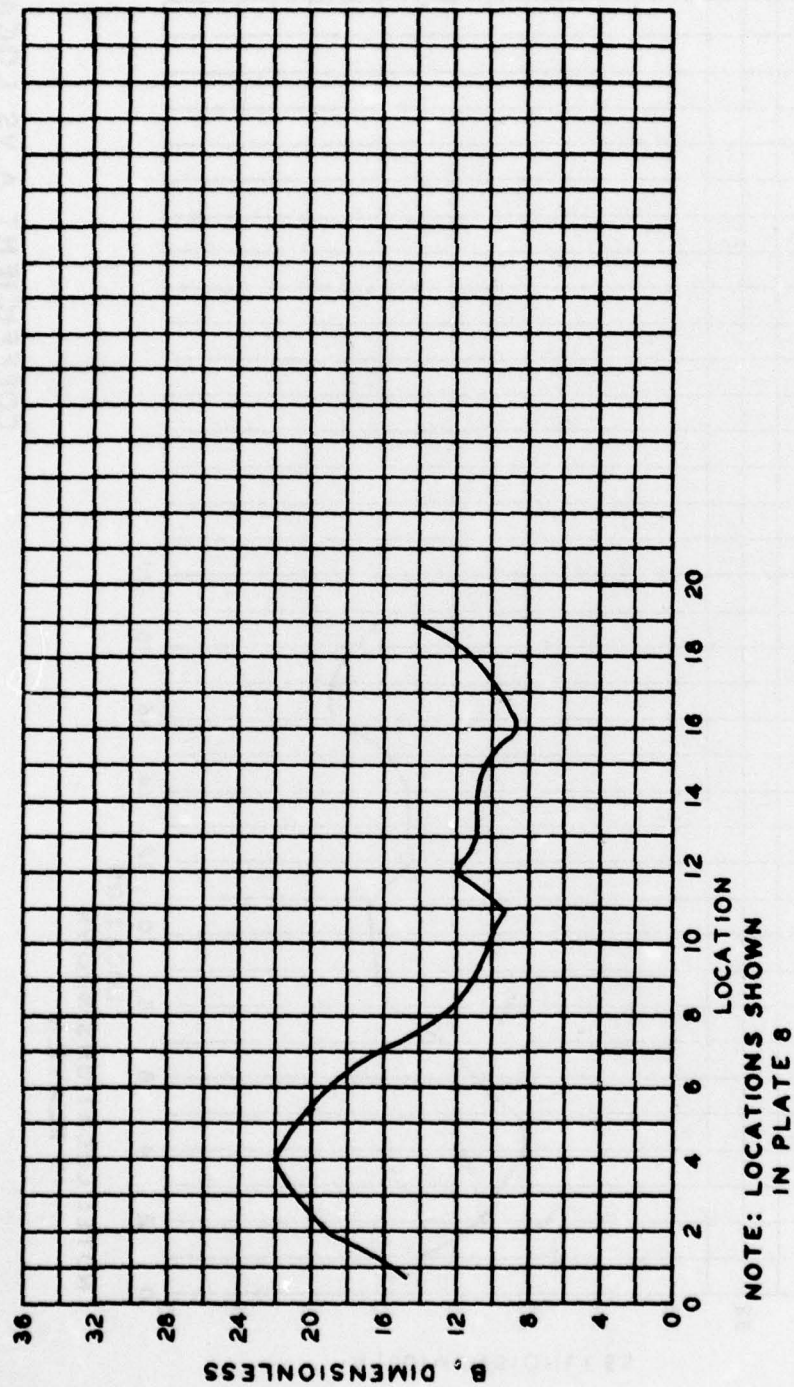
NOTE: LOCATIONS SHOWN
IN PLATE 7

COEFFICIENT B VS LOCATION
LANAI
LOCATIONS 1-34



NOTE: LOCATIONS SHOWN
IN PLATE 8

COEFFICIENT A VS LOCATION
NIIHAU
LOCATIONS 1-19



NOTE: LOCATIONS SHOWN
IN PLATE 8

COEFFICIENT B VS LOCATION
NIIHAU
LOCATIONS 1-19