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STATE OF NEW JERSEY
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
TRENTON, NEW JERSEY

BEACH HAVEN - LITTLE EGG INLETS
OCEAN COUNTY, NEW JERSEY

Study of Bay, Inlet and Nearshore Marine Sedimentation

by Lloyd James Charlesworth, Jr.

for

State Geology Bureau

and

State Navigation Bureau

This is a reproduction of the original report which is in two volumes dated 1968 of which Volume I is the main report and Volume II contains the appendices.

For convenience, each volume has been assembled in three parts with the Plates as a separate part or a total of 7 parts.

May 15, 1968

Part 6

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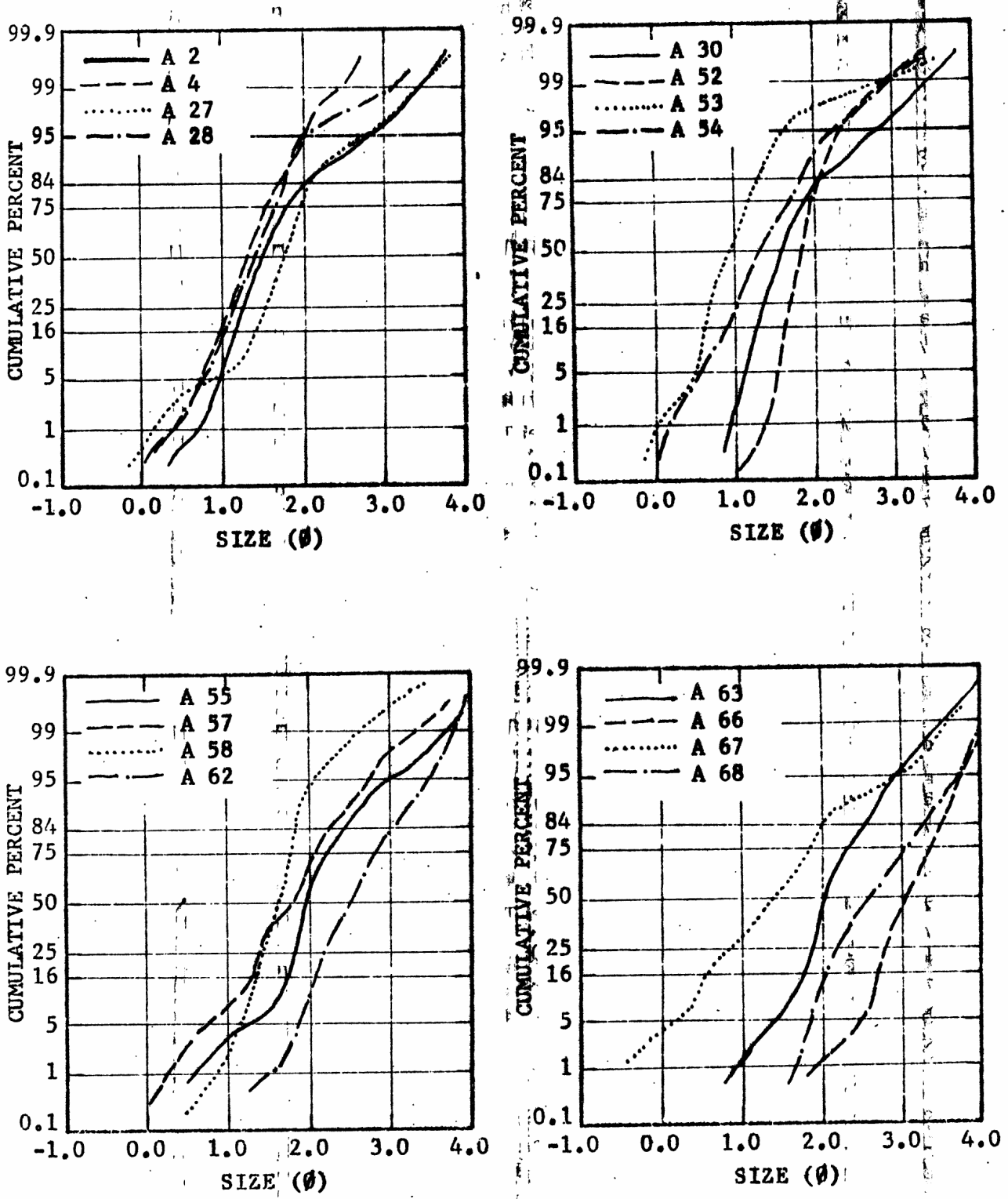

Fig. 1D . Grain size distribution curves of bottom samples from area P-1 (see PLATE 1D).

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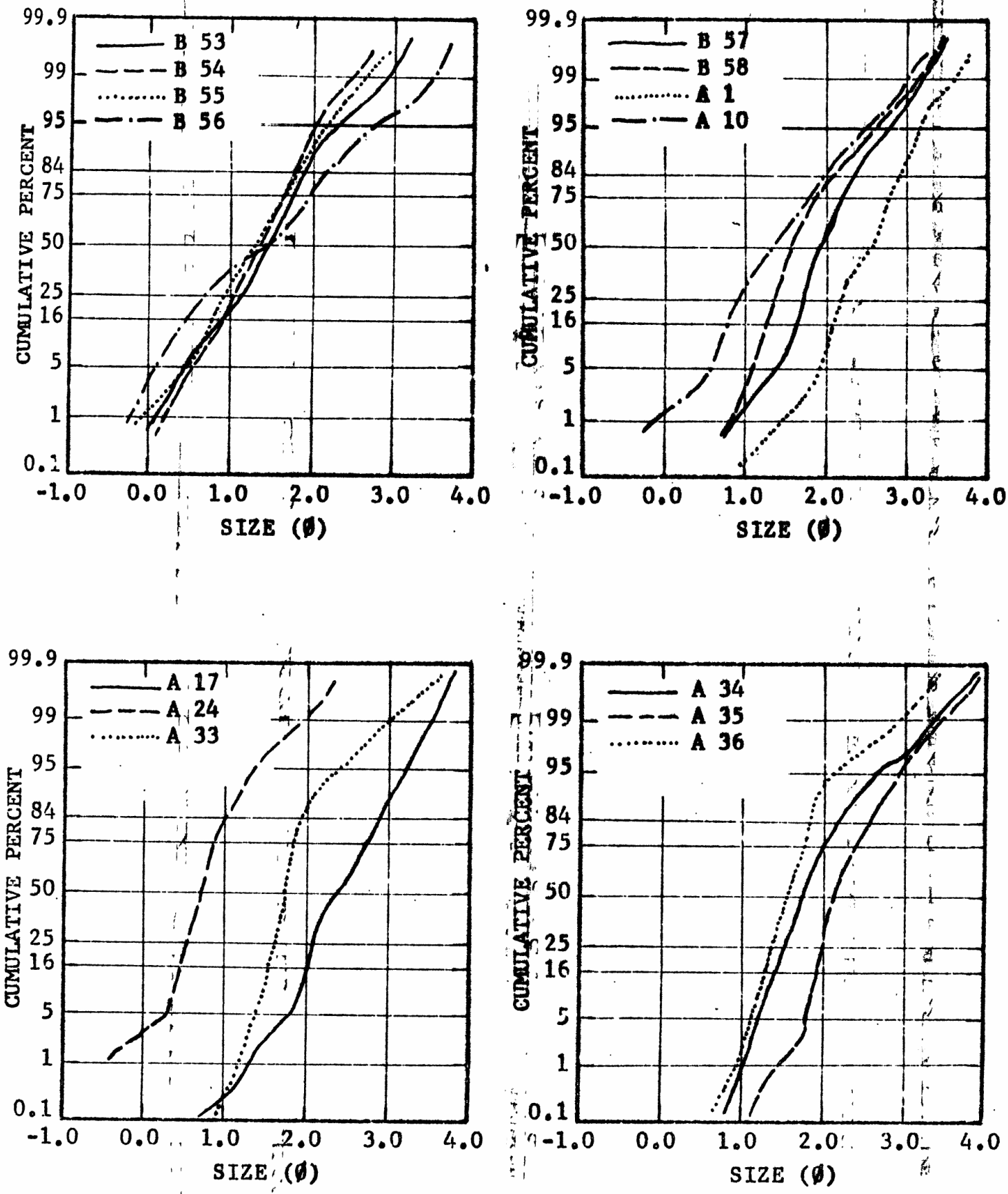
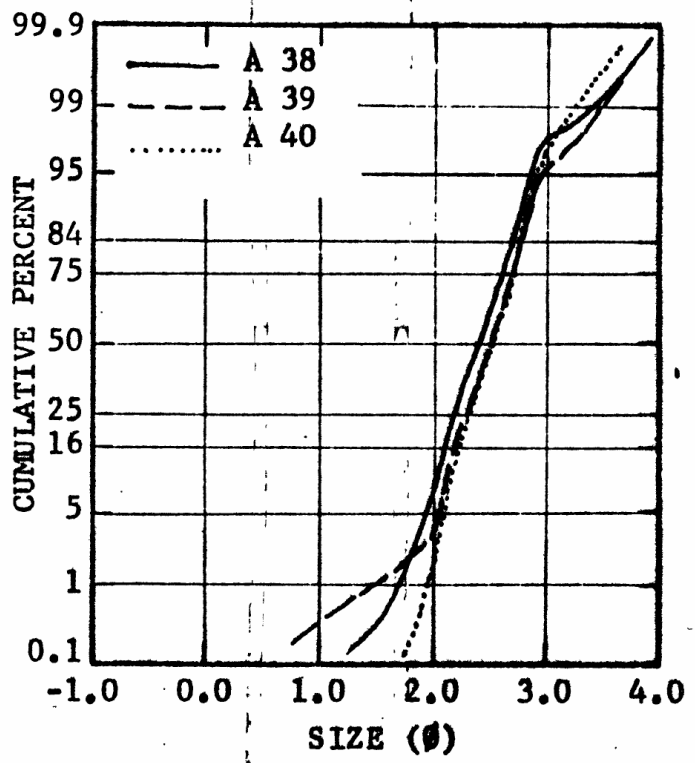
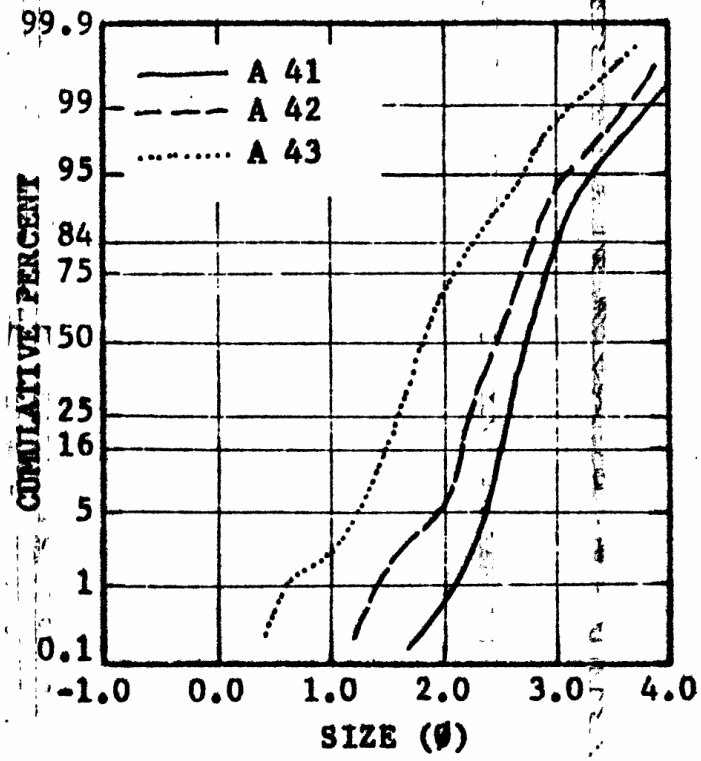
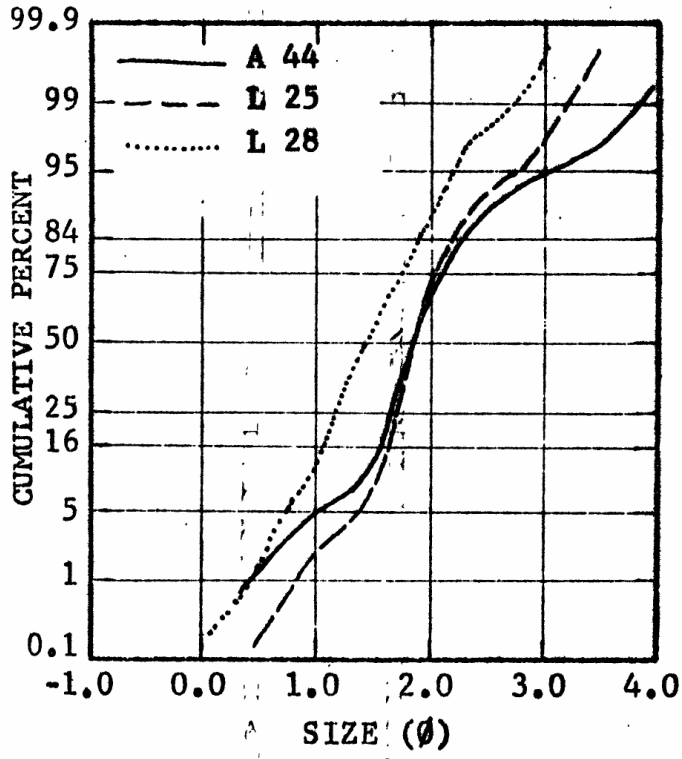


Fig. 2D. Grain size distribution curves of bottom samples from area P-2 (see PLATE 1D).







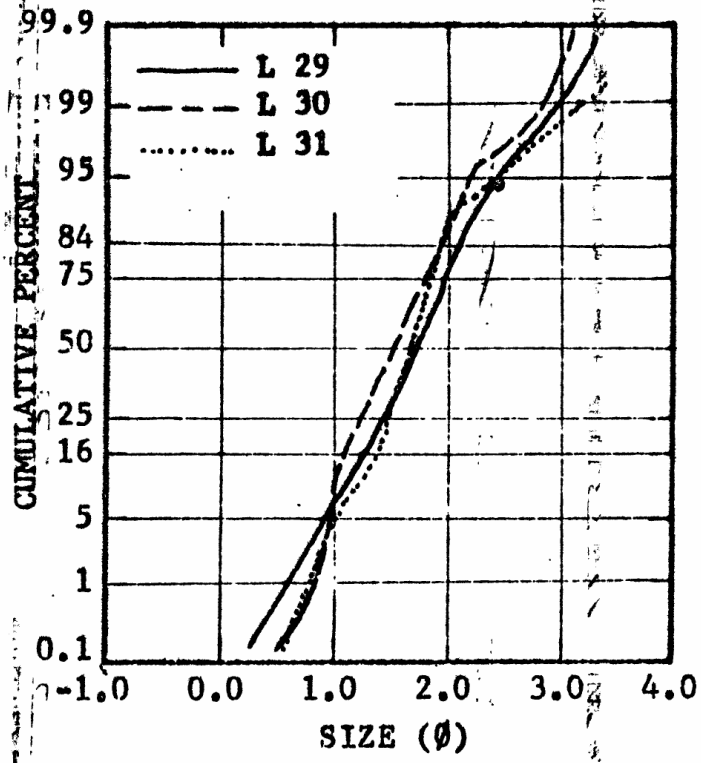


Fig. 3D. Grain size distribution curves of bottom samples from area P-2 (see PLATE 1D).

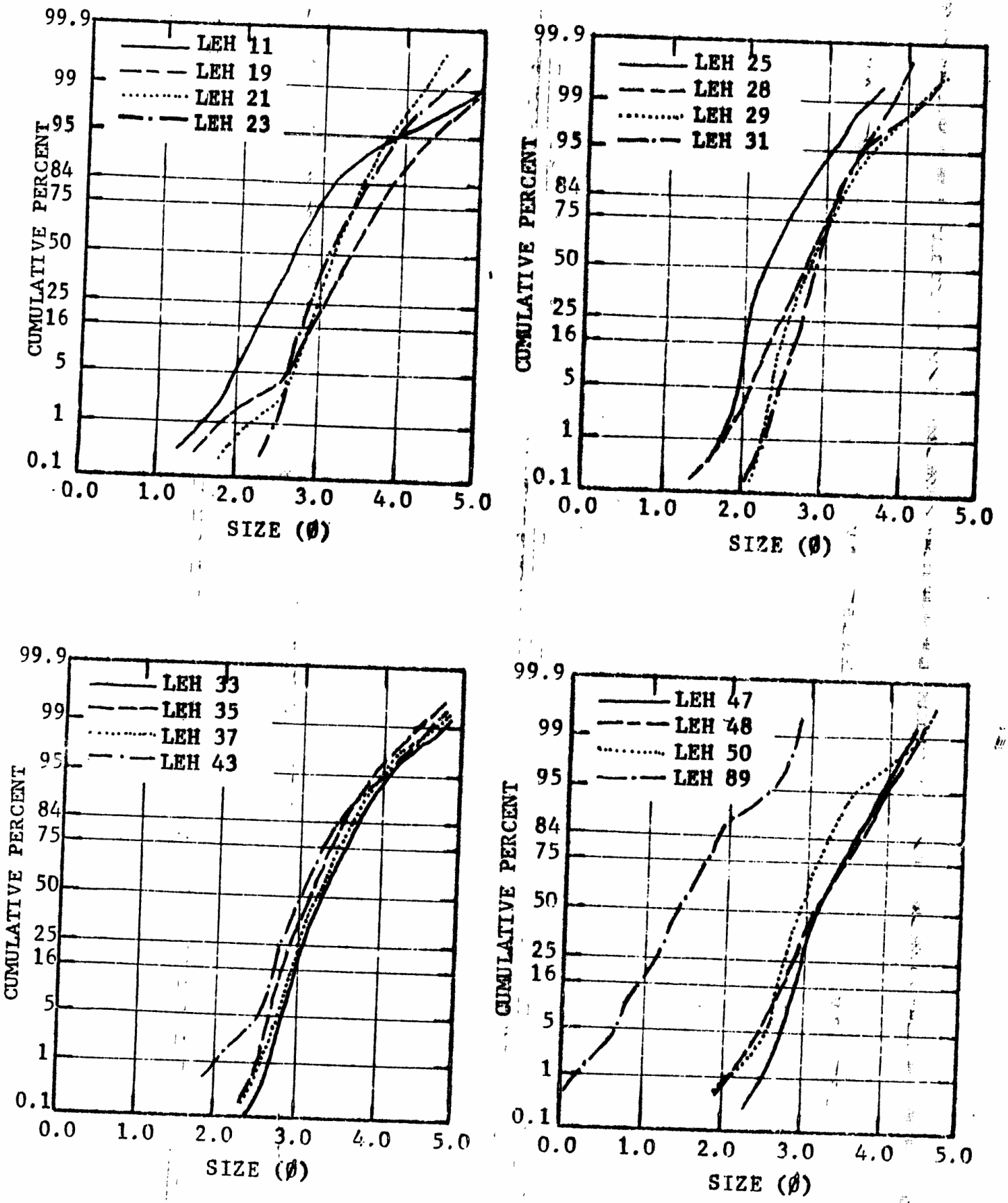


Fig. 4D. Grain size distribution curves of bottom samples from area P-3 (see PLATE 1D).

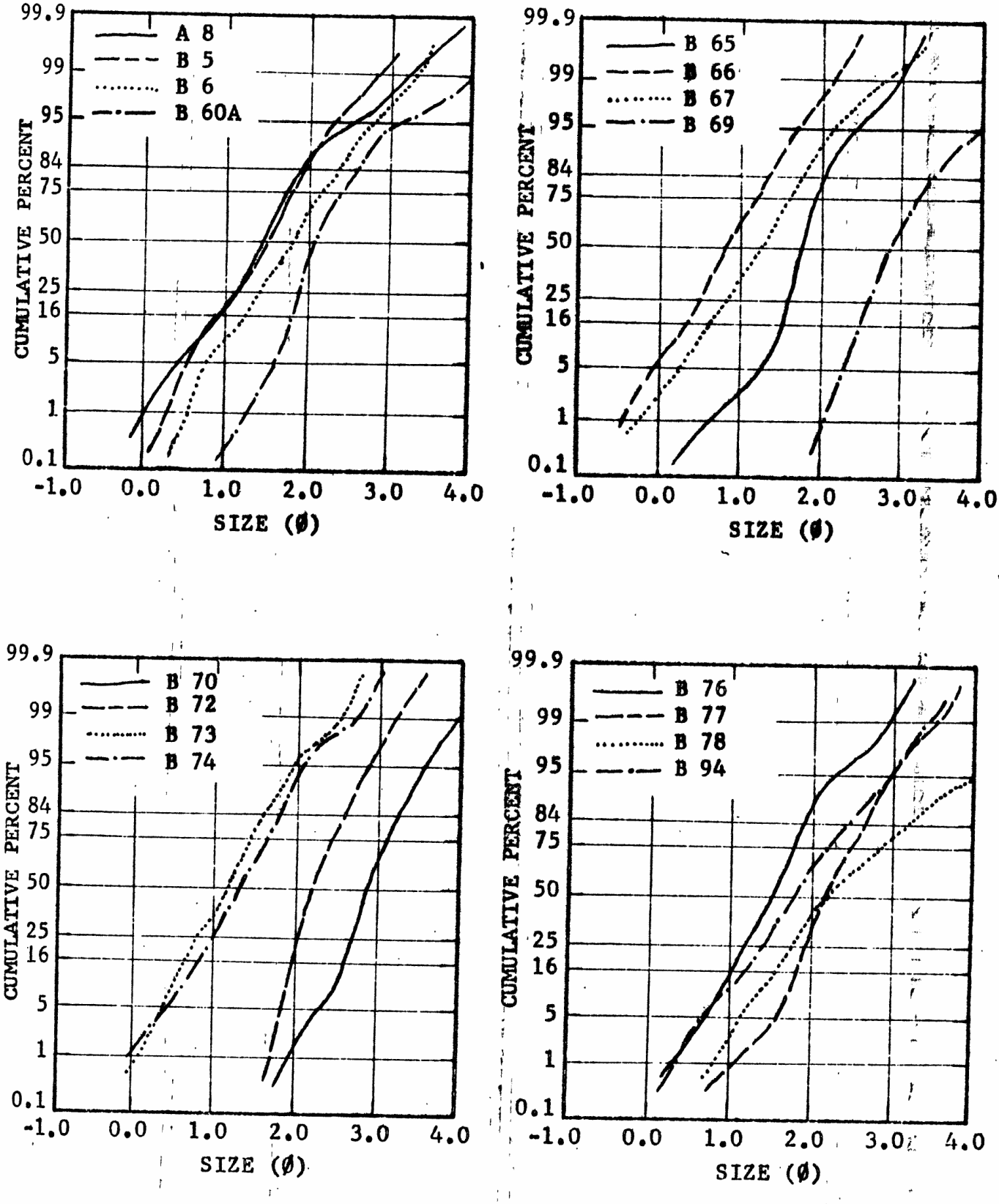


Fig. 5D. Grain size distribution curves of bottom samples from area P-4 (see PLATE 1D).

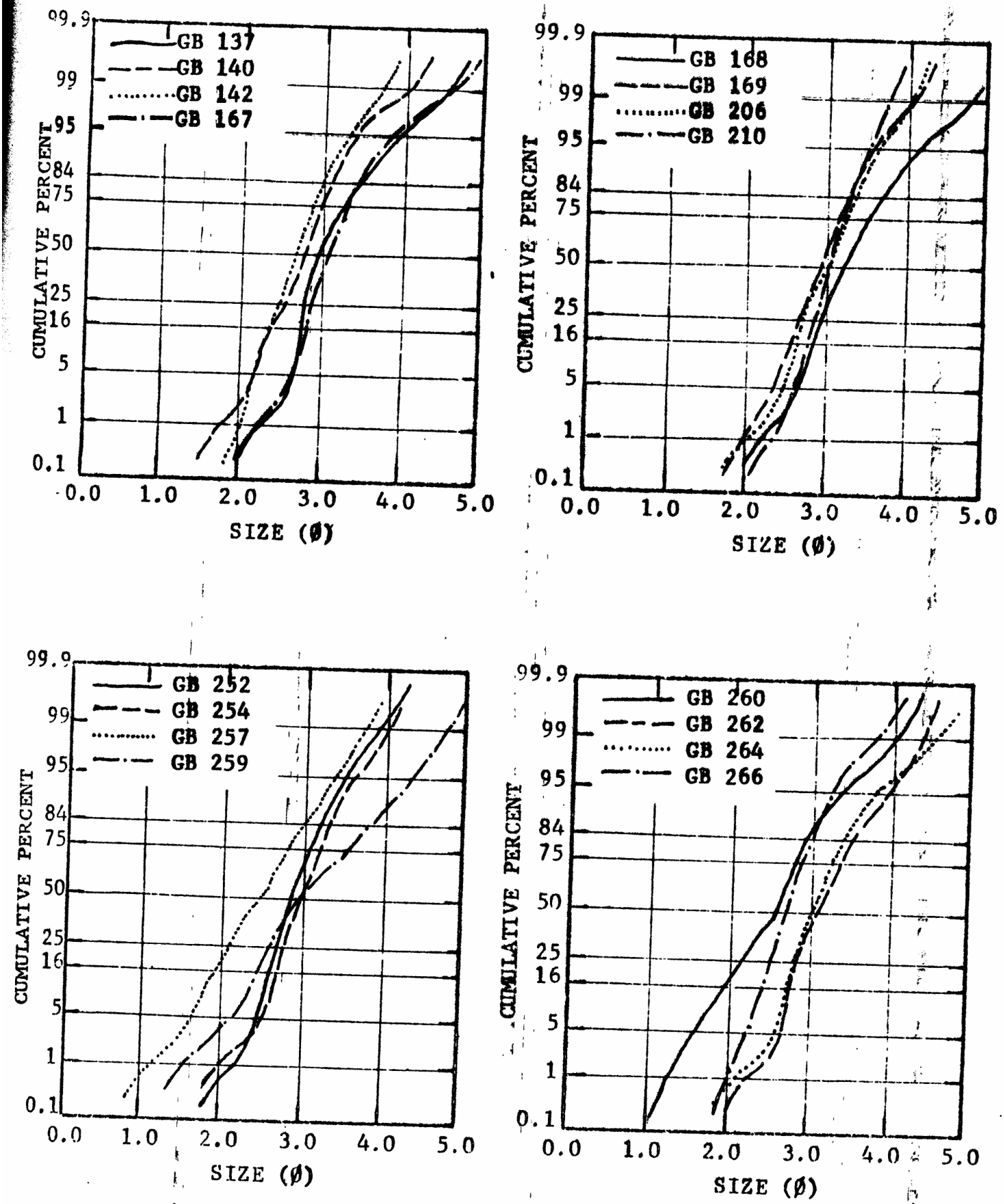


Fig. 6D . Grain size distribution curves of bottom samples from area P-6 (see PLATE 1D).

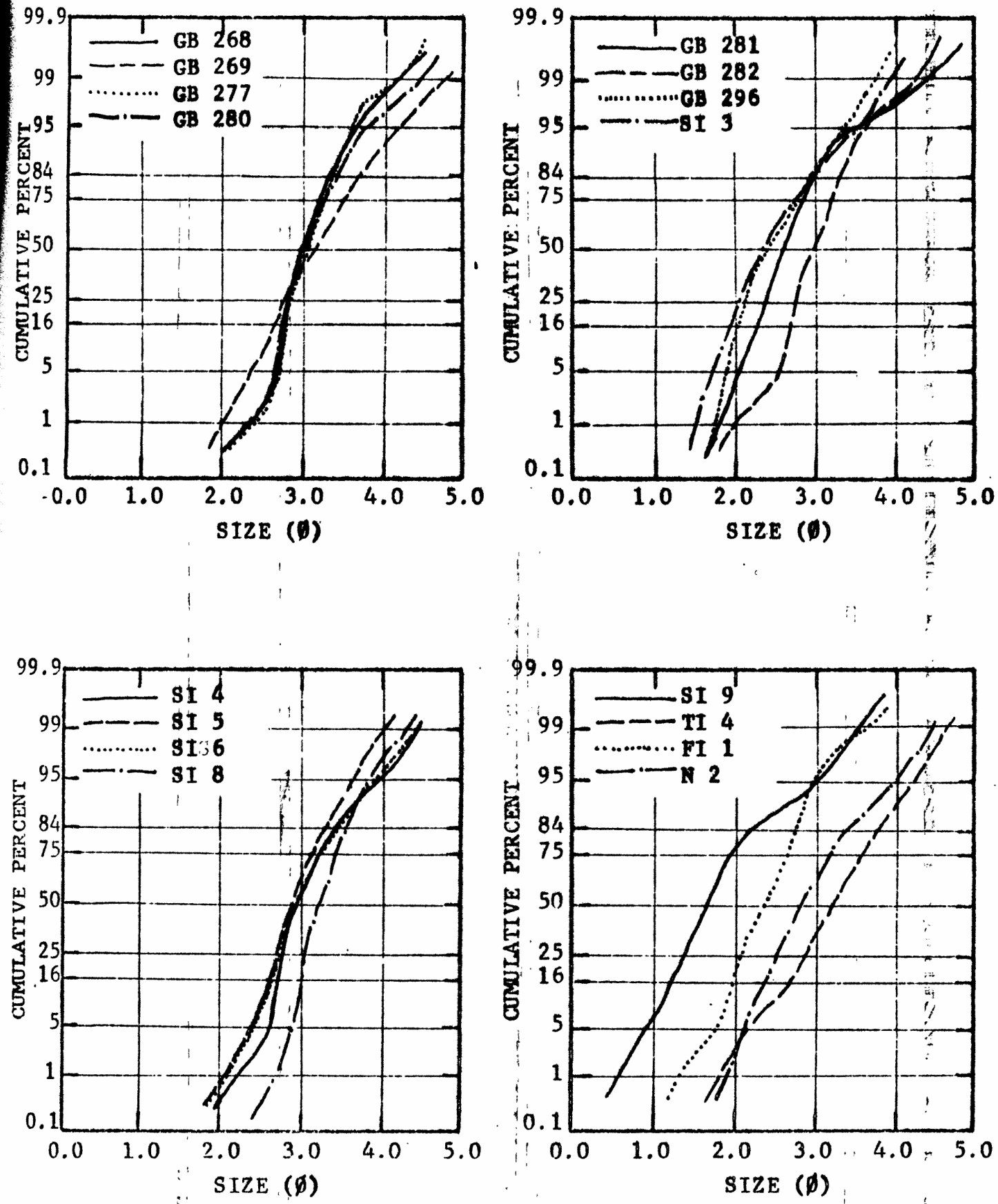


Fig. 7D. Grain size distribution curves of bottom samples from area P-6 (see PLATE 1D).

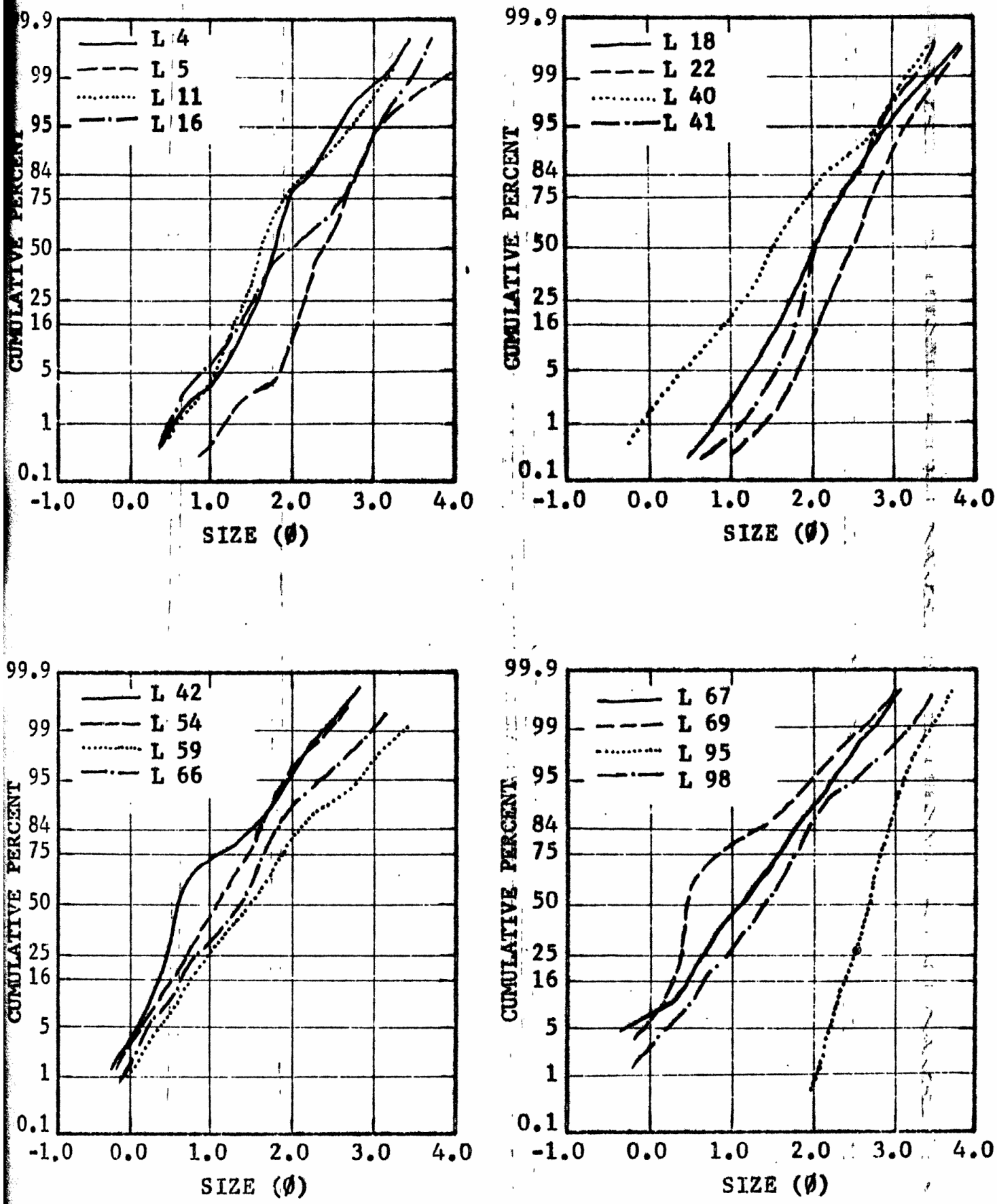


Fig. 8D . Grain size distribution curves of bottom samples from area P-7 (see PLATE 1D).

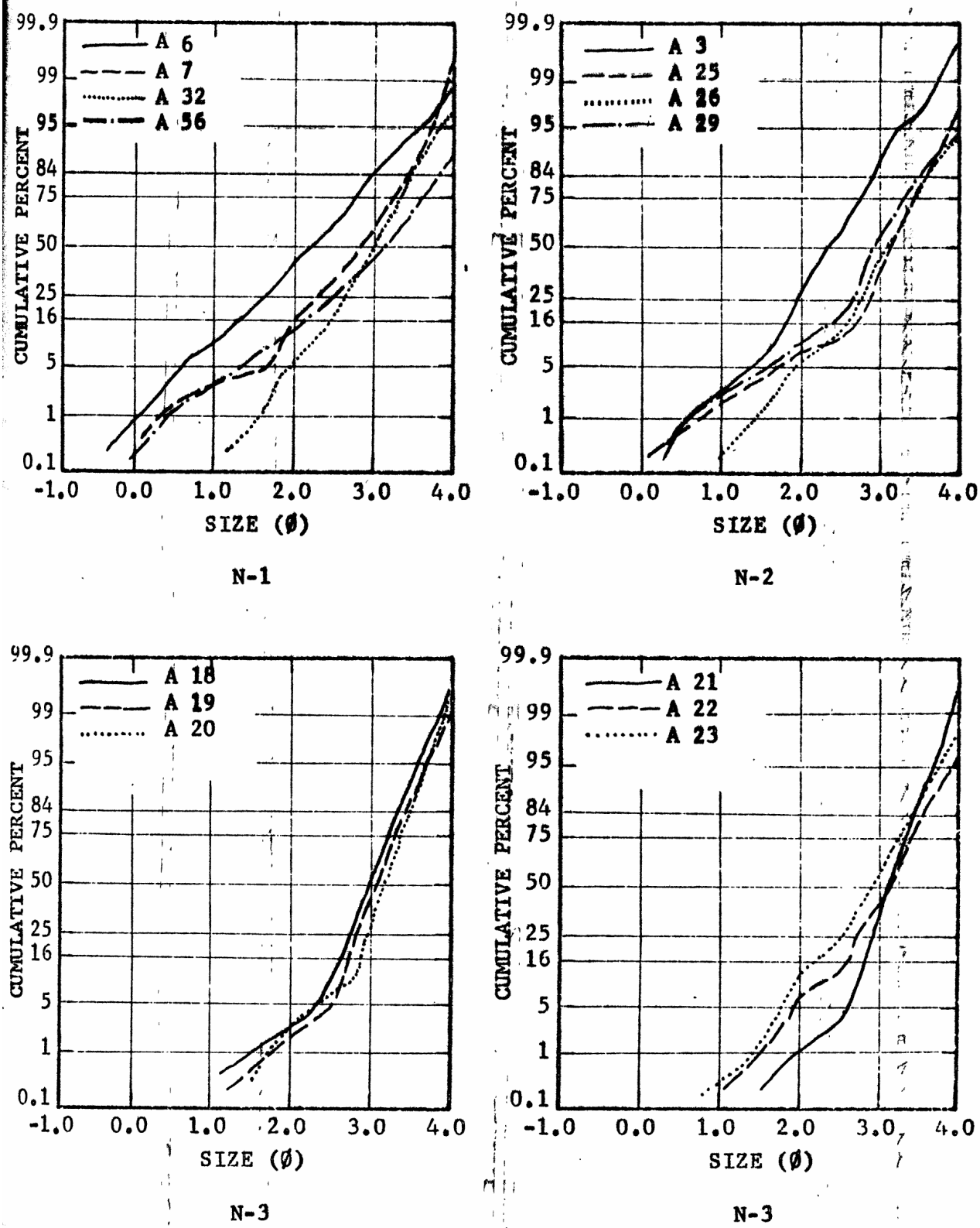
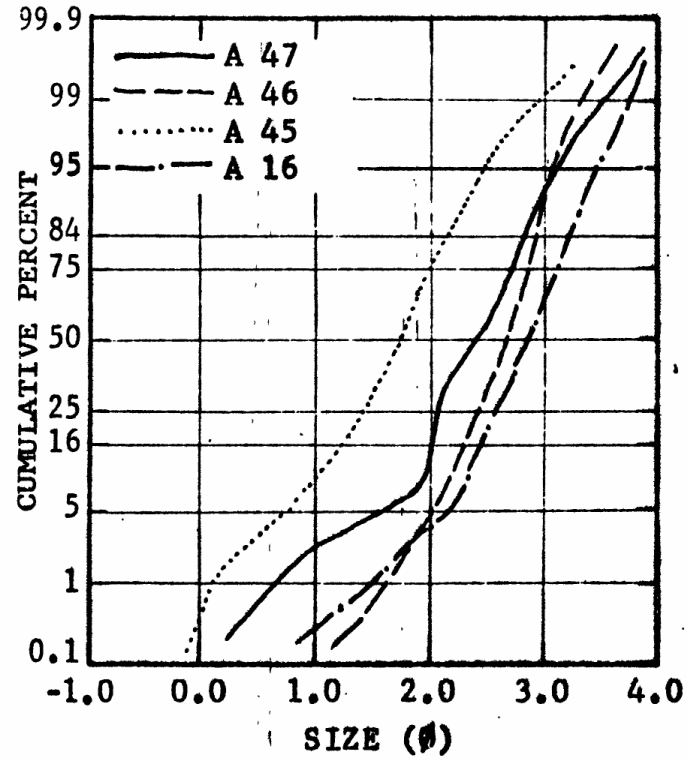
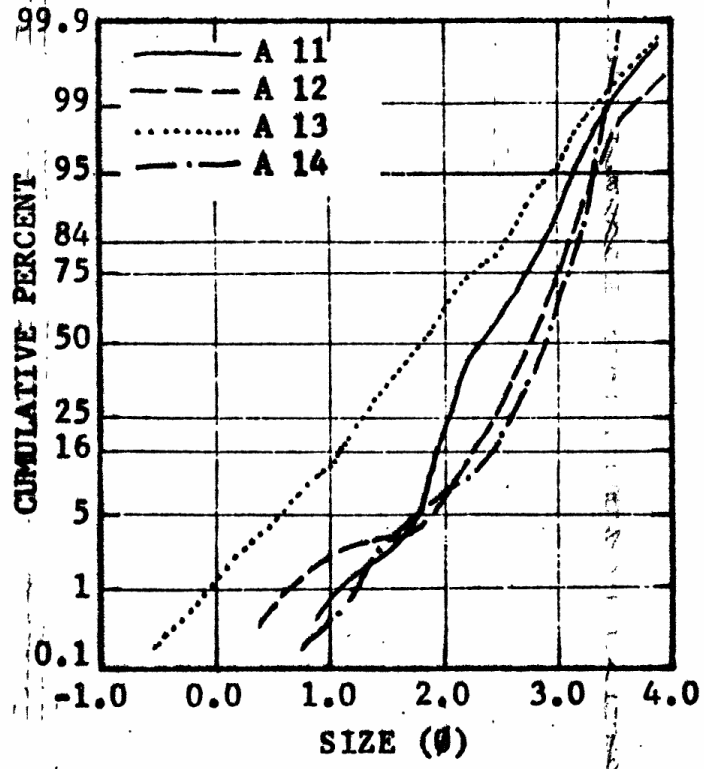
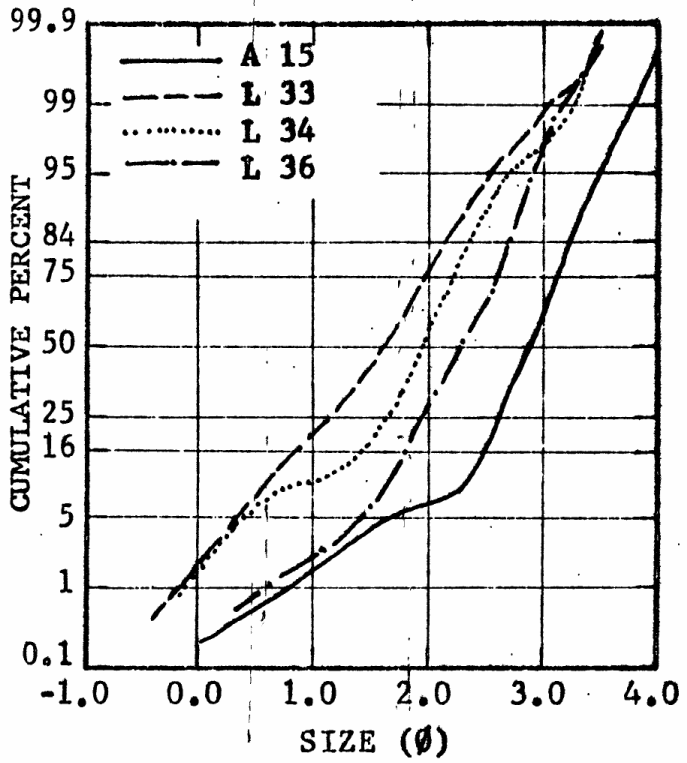


Fig. 9D . Grain size distribution curves of bottom samples from areas N-1, N-2, and N-3 (see PLATE 1D).







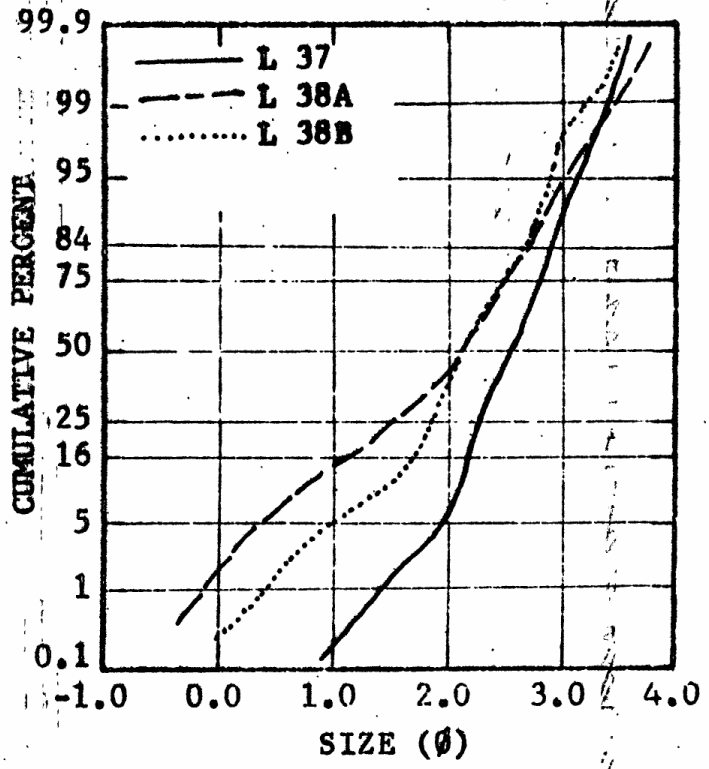
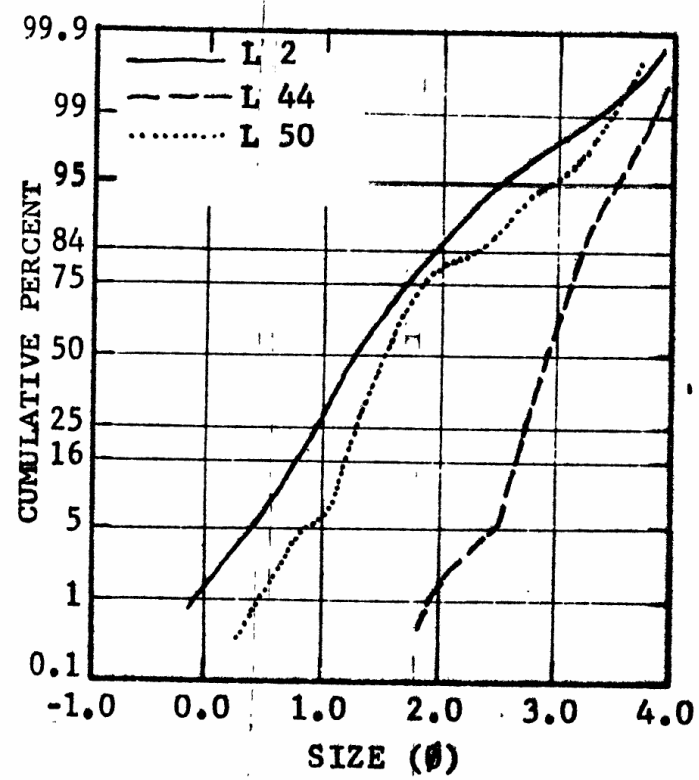
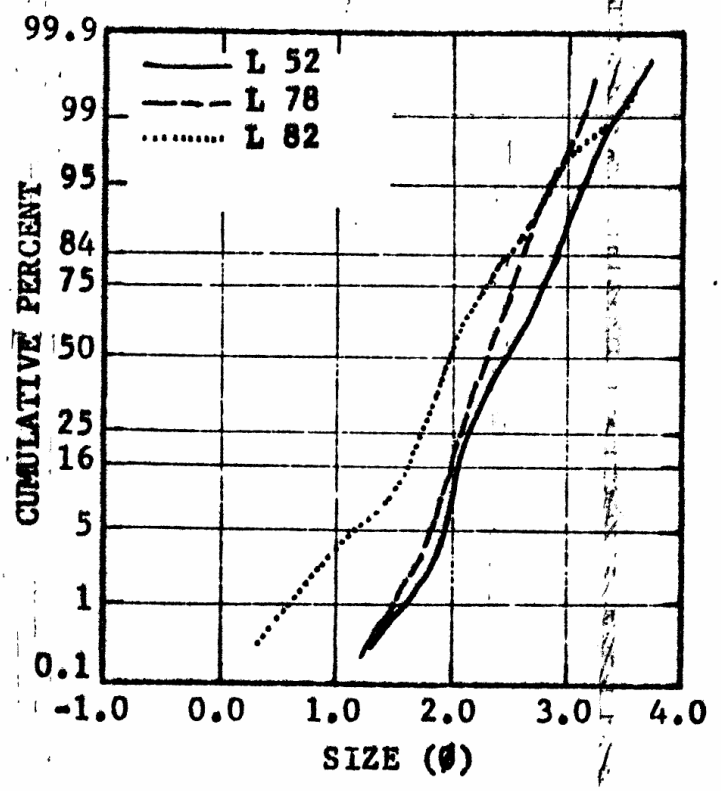


Fig. 10D. Grain size distribution curves of bottom samples from area N-4 (see PLATE 1D).



P-5



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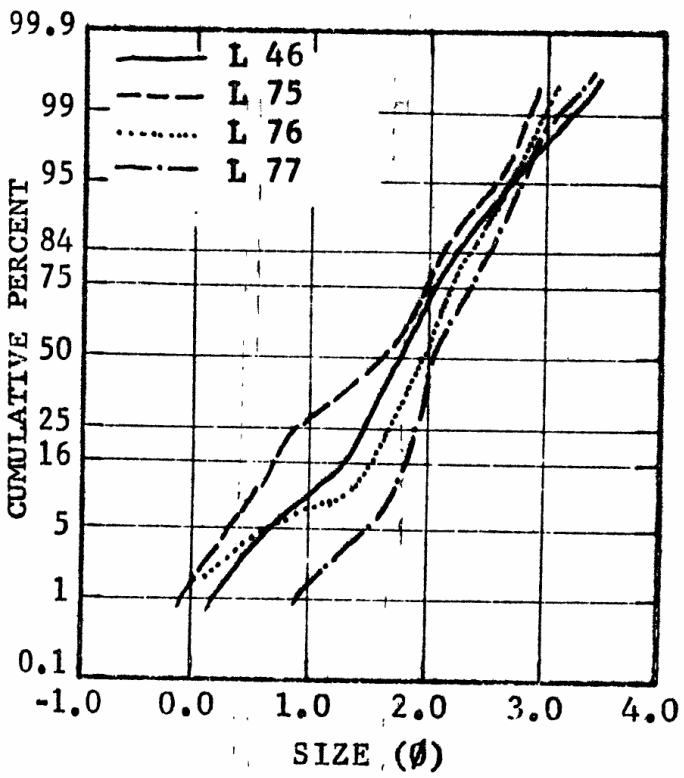

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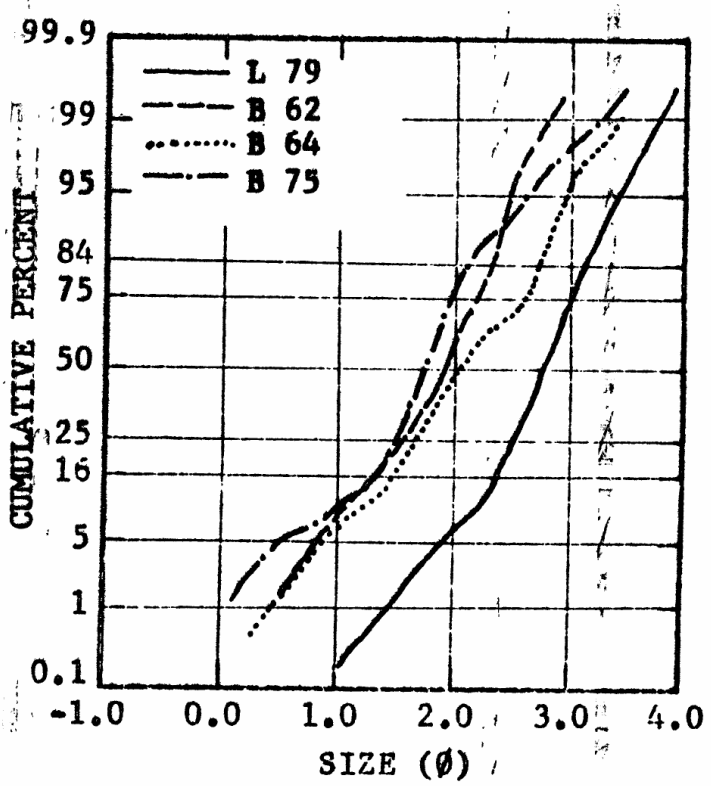
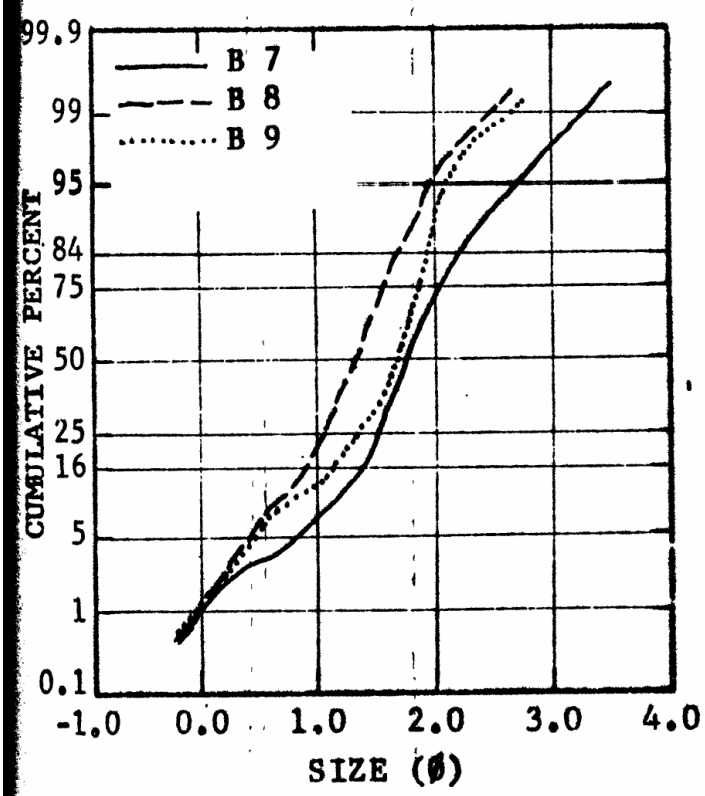
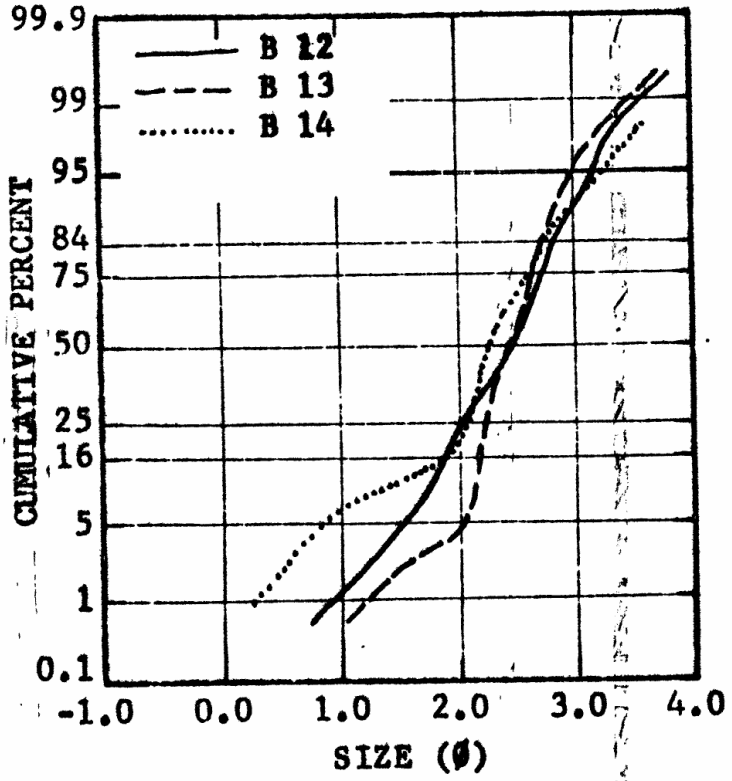
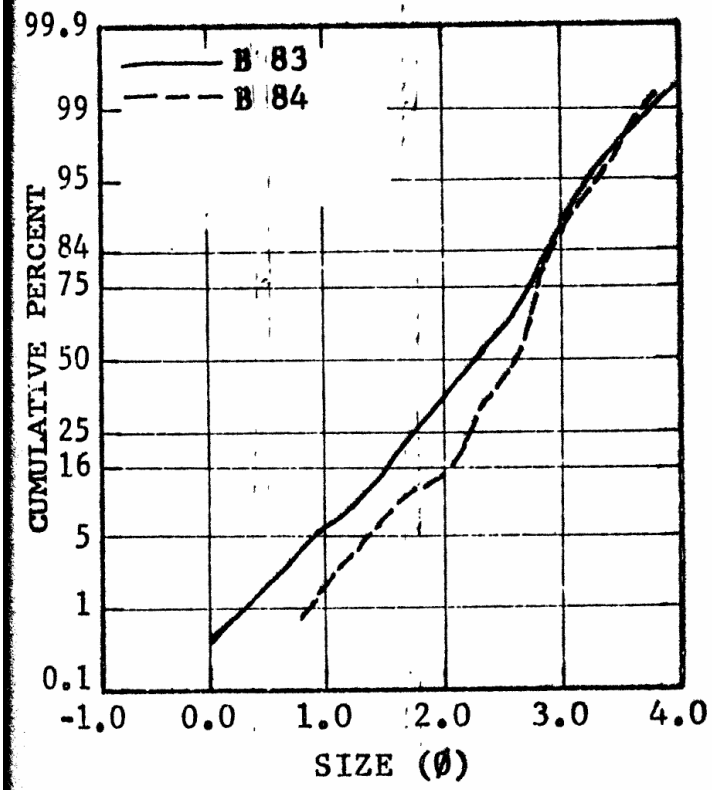


N-5

Fig. 11D. Grain size distribution curves of bottom samples from areas P-5 and N-5 (see PLATE 1D).







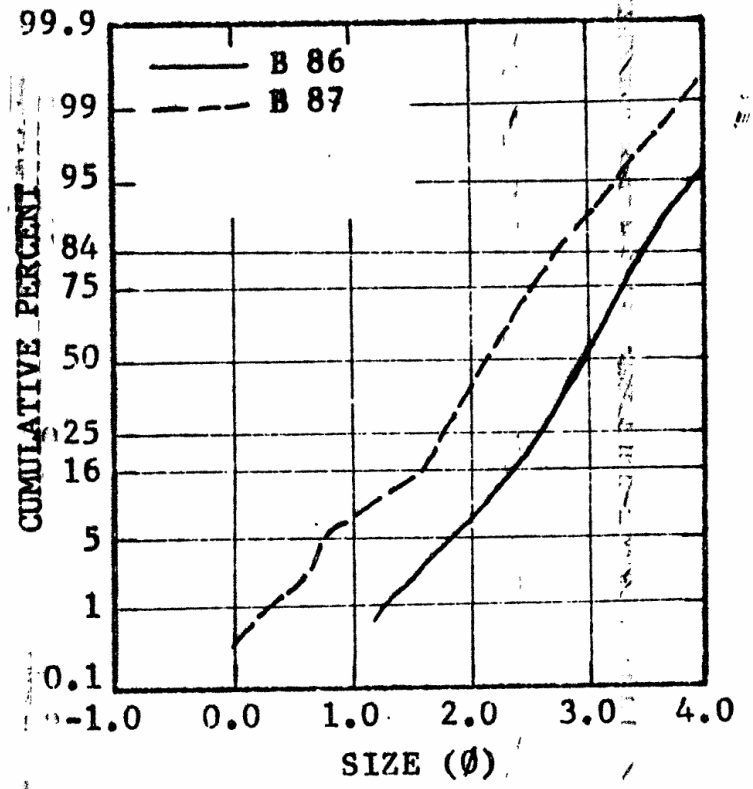


Fig. 12D . Grain size distribution curves of bottom samples from area N-6 (see PLATE 1D).

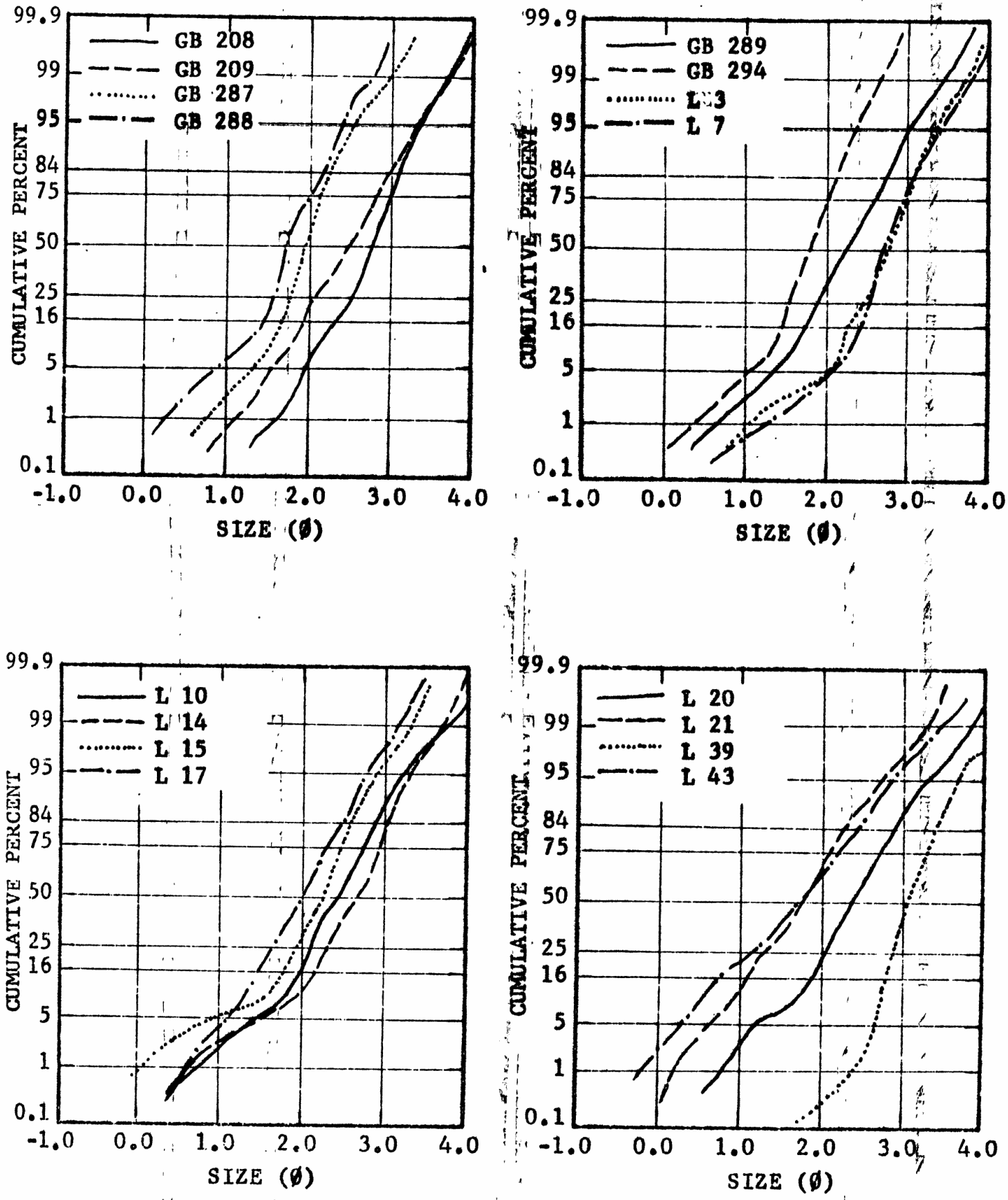


Fig. 13D . Grain size distribution curves of bottom samples from area N-7 (see PLATE 1D).

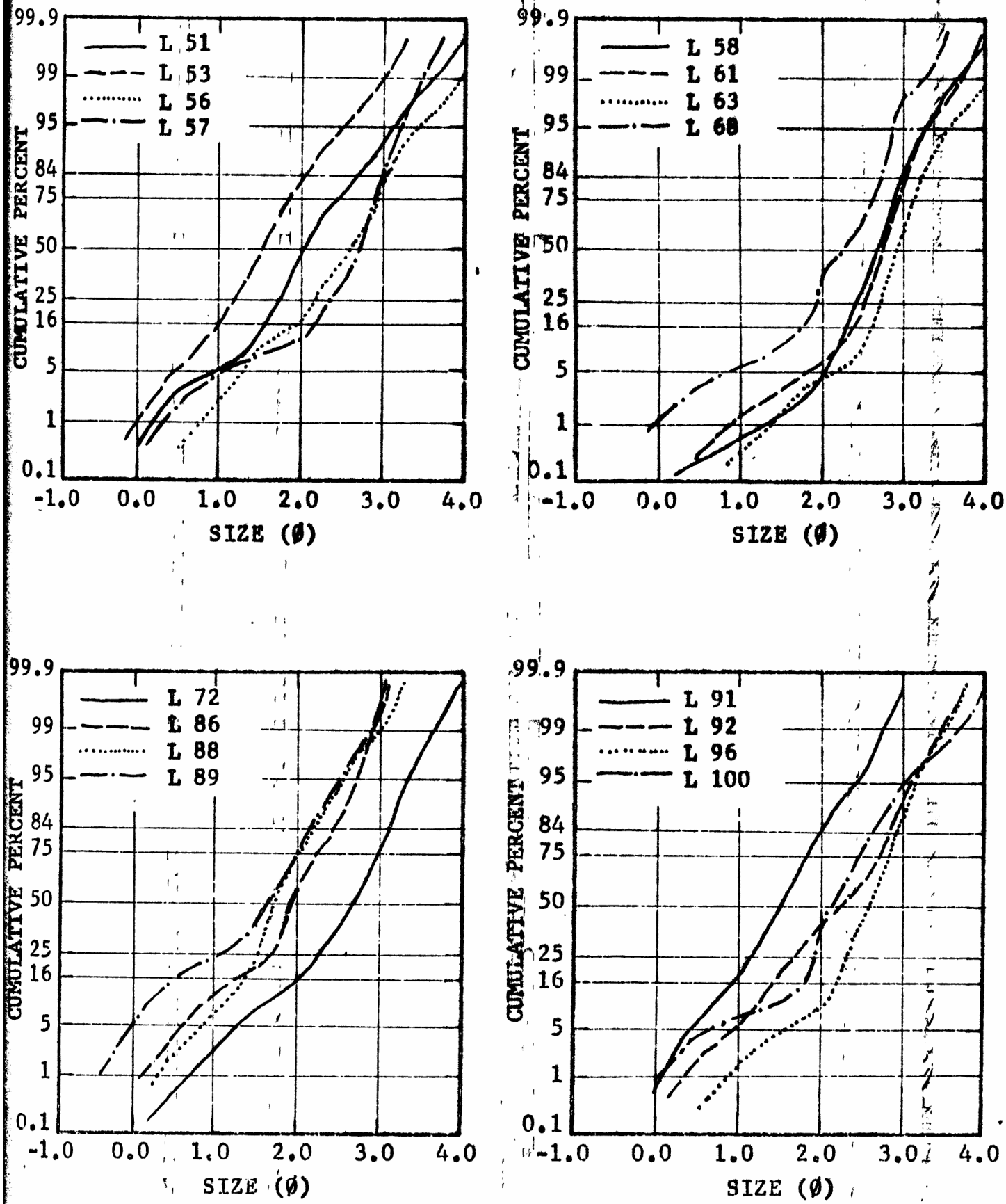
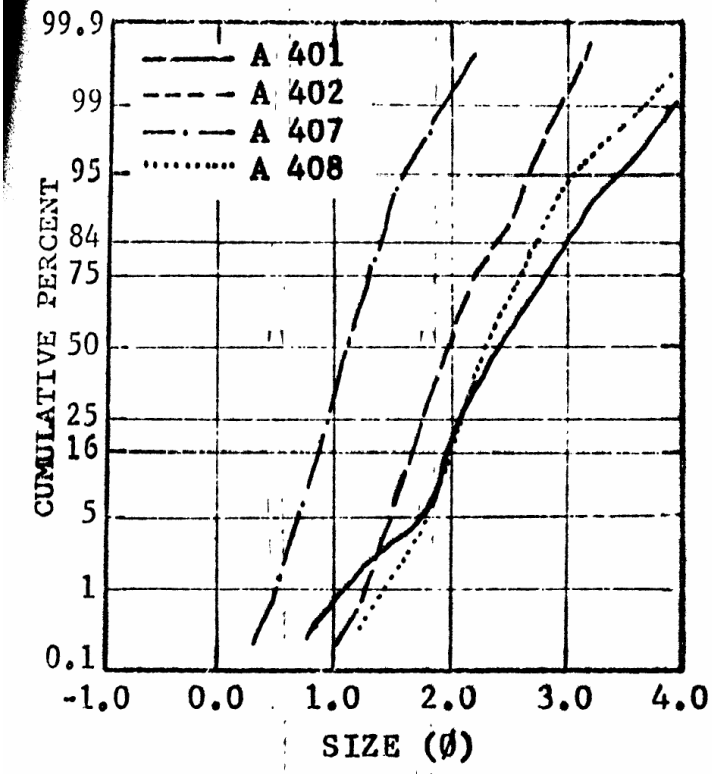


Fig. 14D'. Grain size distribution curves of bottom samples from area N-7 (see PLATE 1D).



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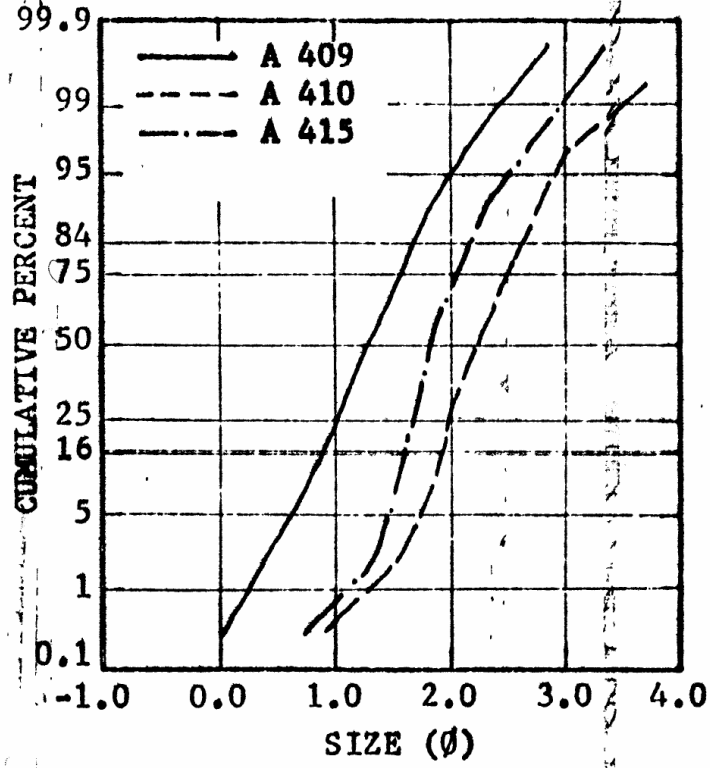

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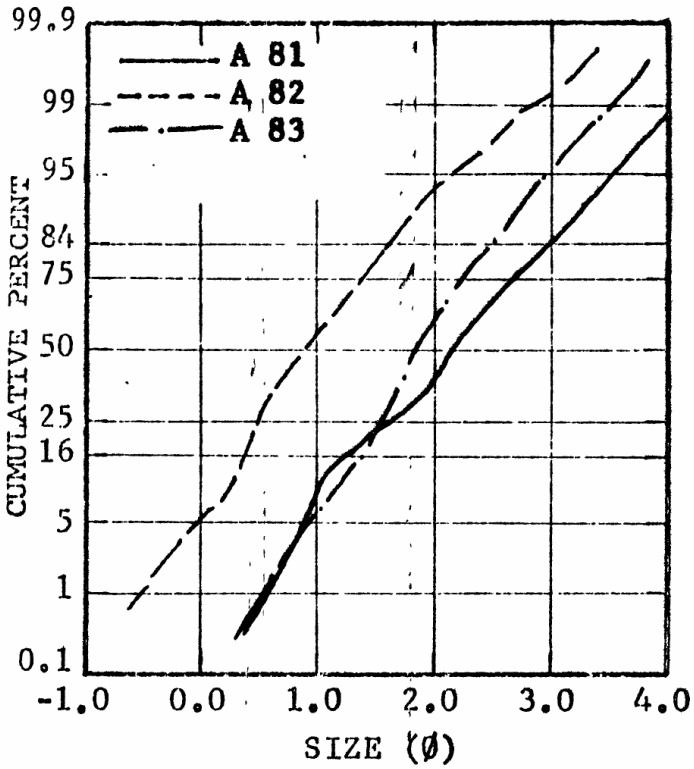

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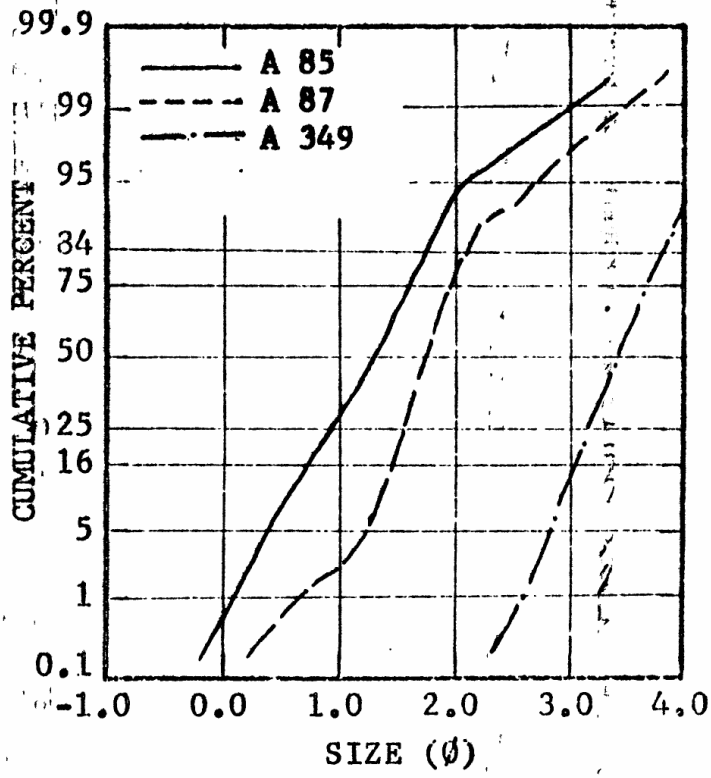


P-3

Fig. 15D . Grain size distribution curves of bottom samples from areas P-1 and P-3 (see PLATE 2D).

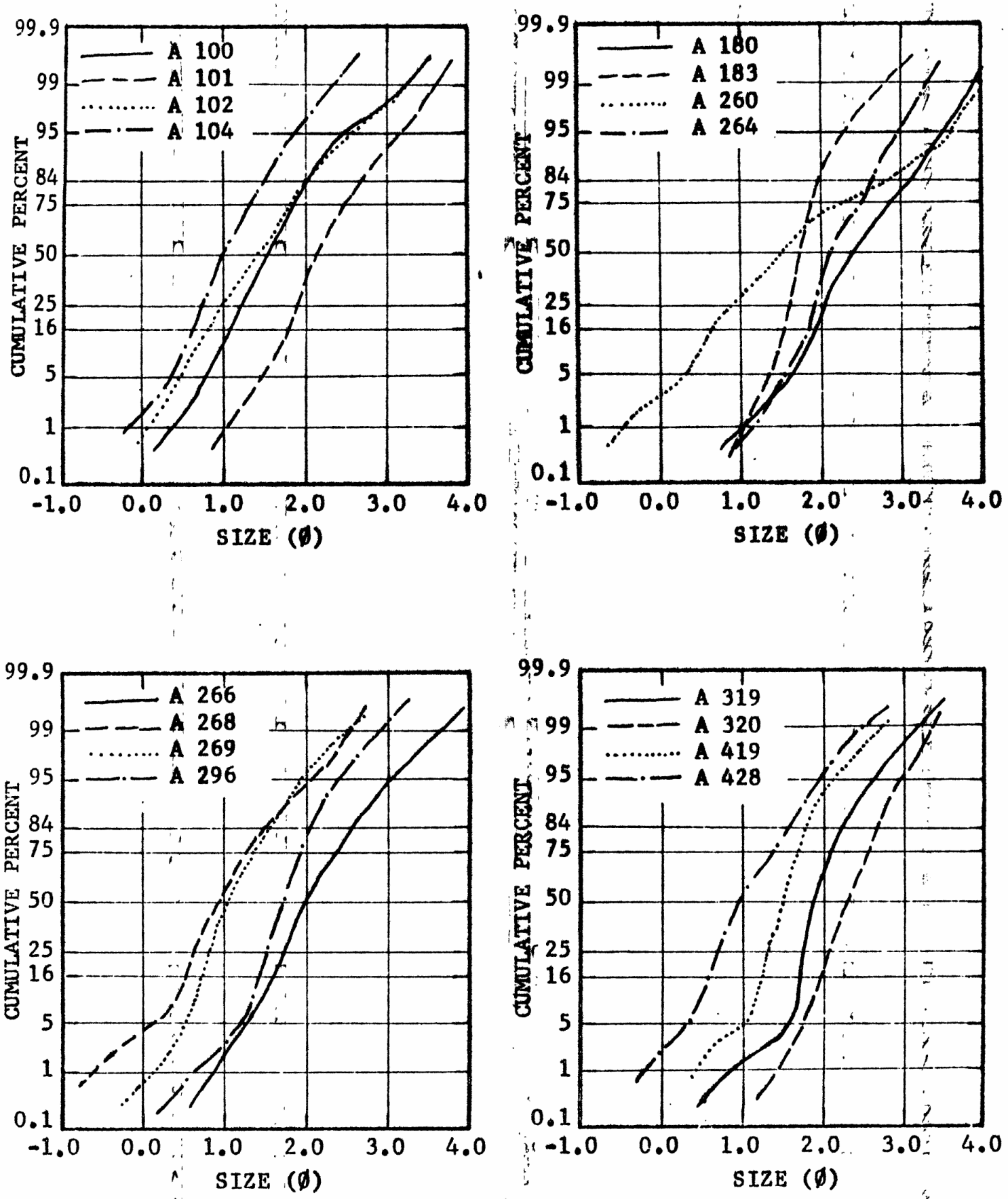


Fig. 16D . Grain size distribution curves of bottom samples from area P-2 (see PLATE 2D).

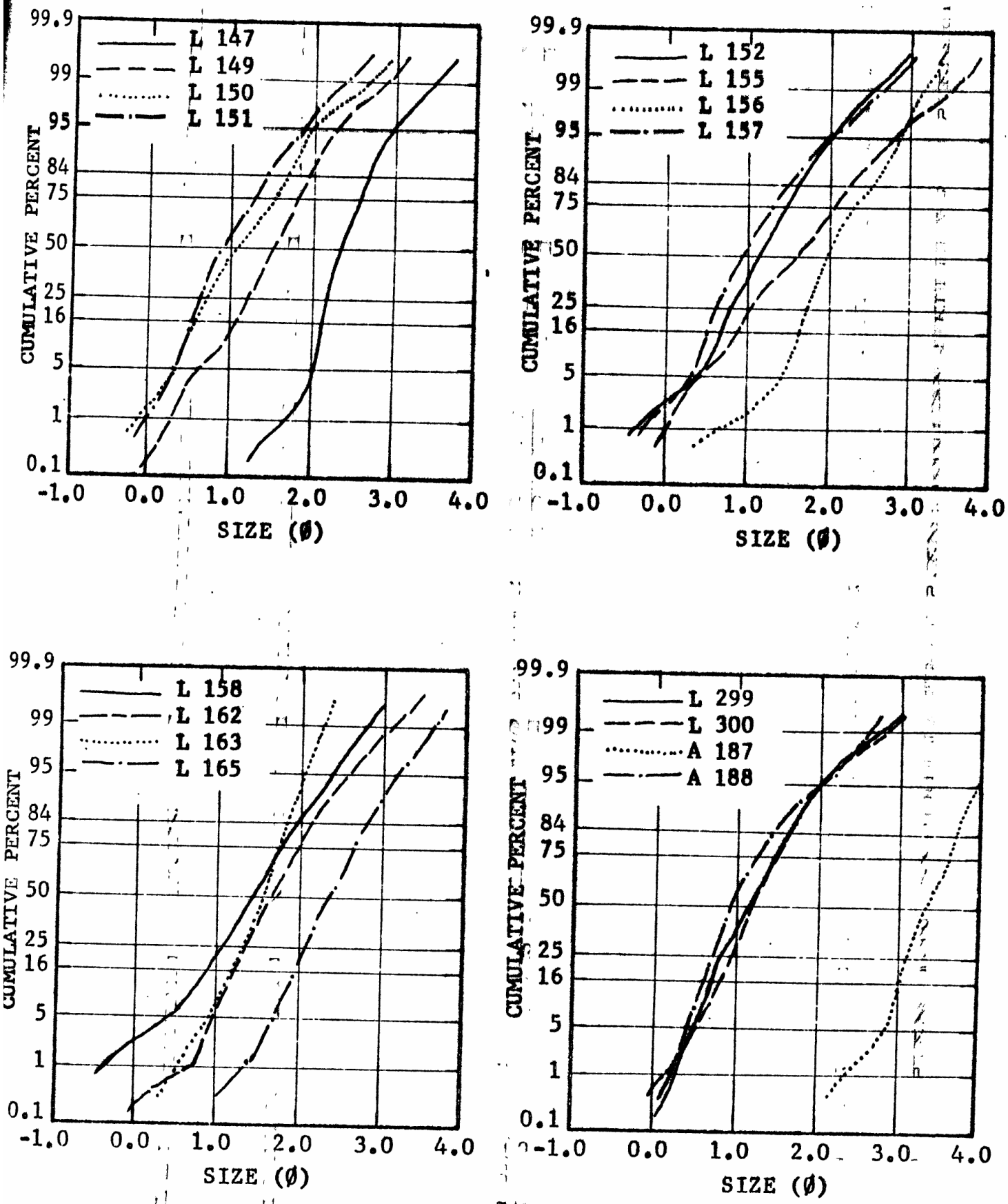


Fig. 17D . Grain size distribution curves of bottom samples from area P-4 (see PLATE 2D).

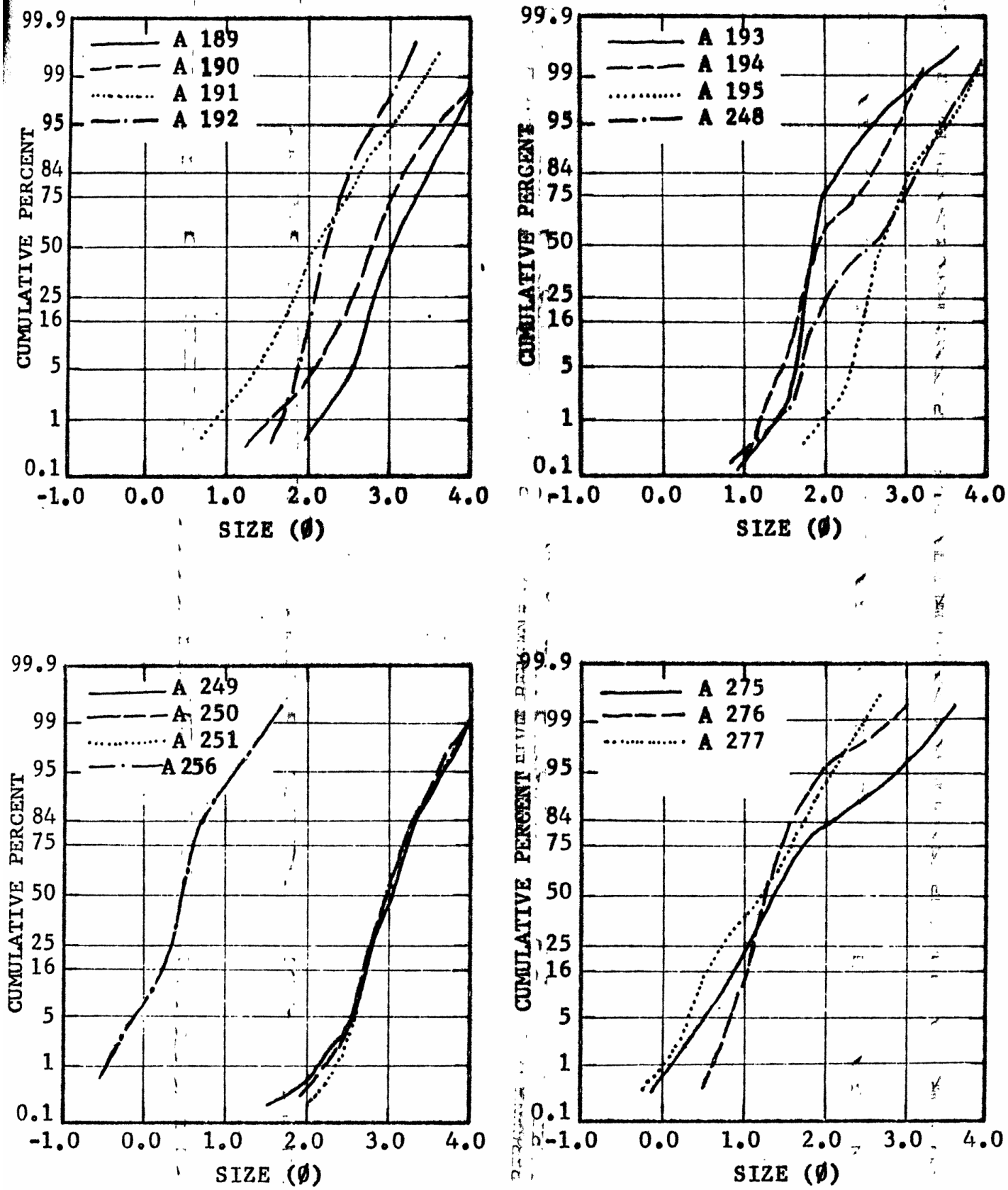
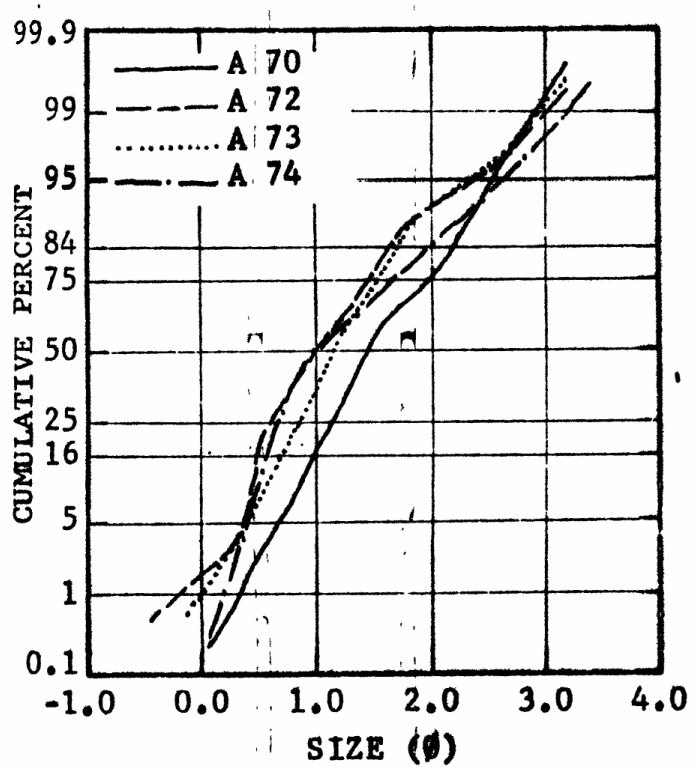
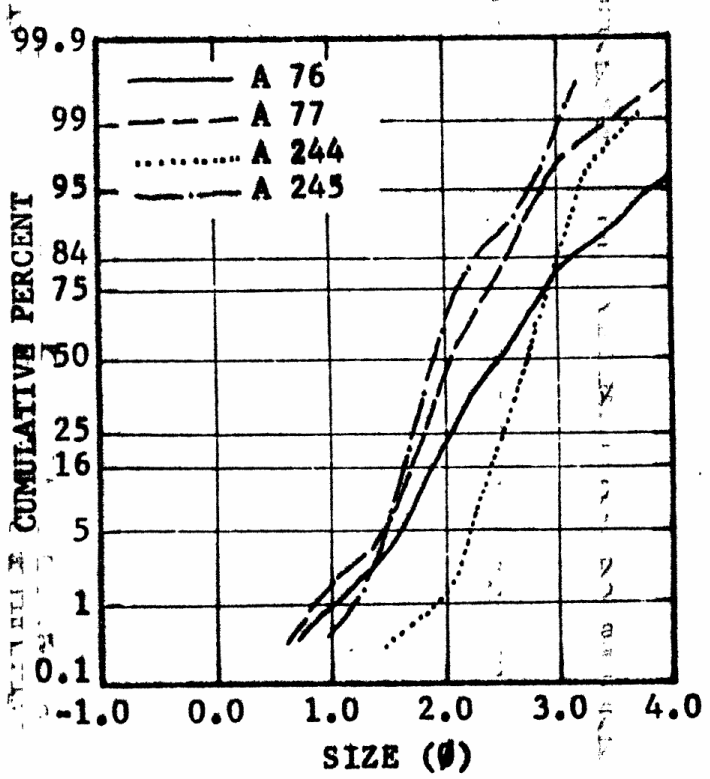
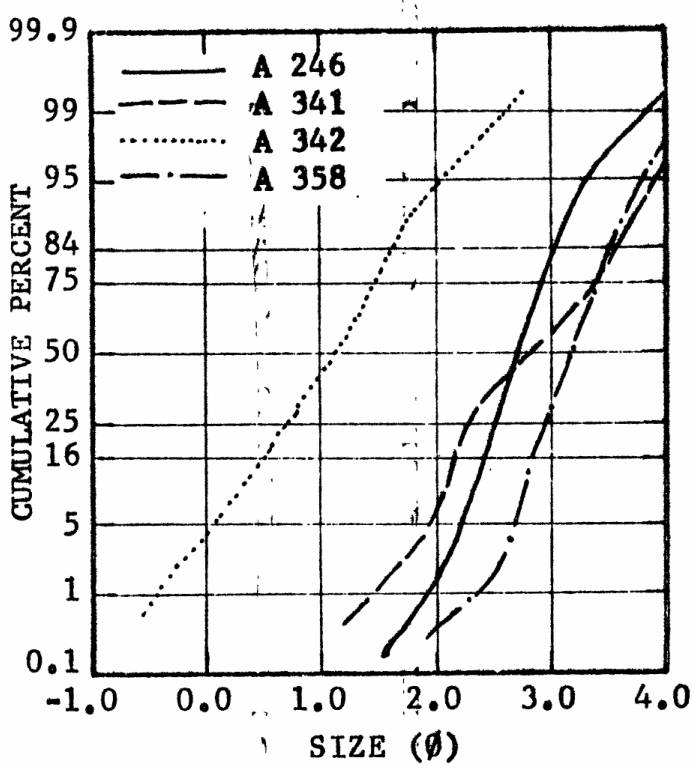


Fig. 18D . Grain size distribution curves of bottom samples from area P-4 (see PLATE 2D).







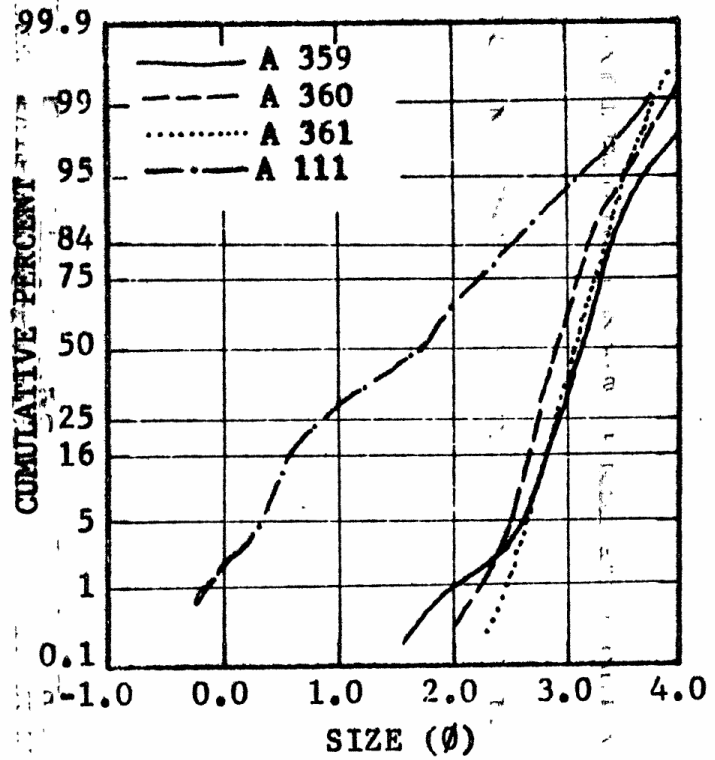


Fig. 19D 4. Grain size distribution curves of bottom samples from area P-5 (see PLATE 2D).

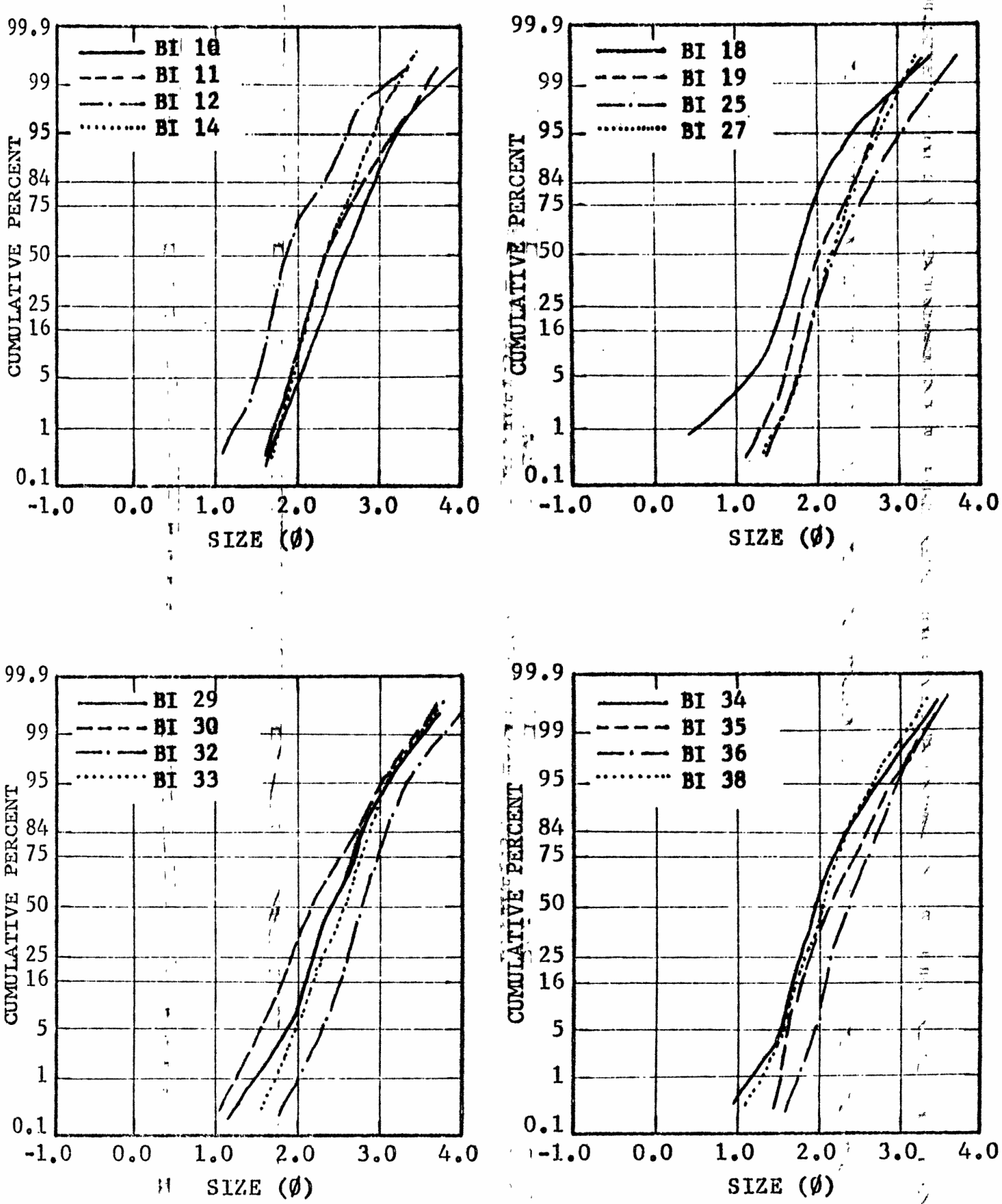


Fig. 20D. Grain size distribution curves of bottom samples from area P-6 (see PLATE 2D).

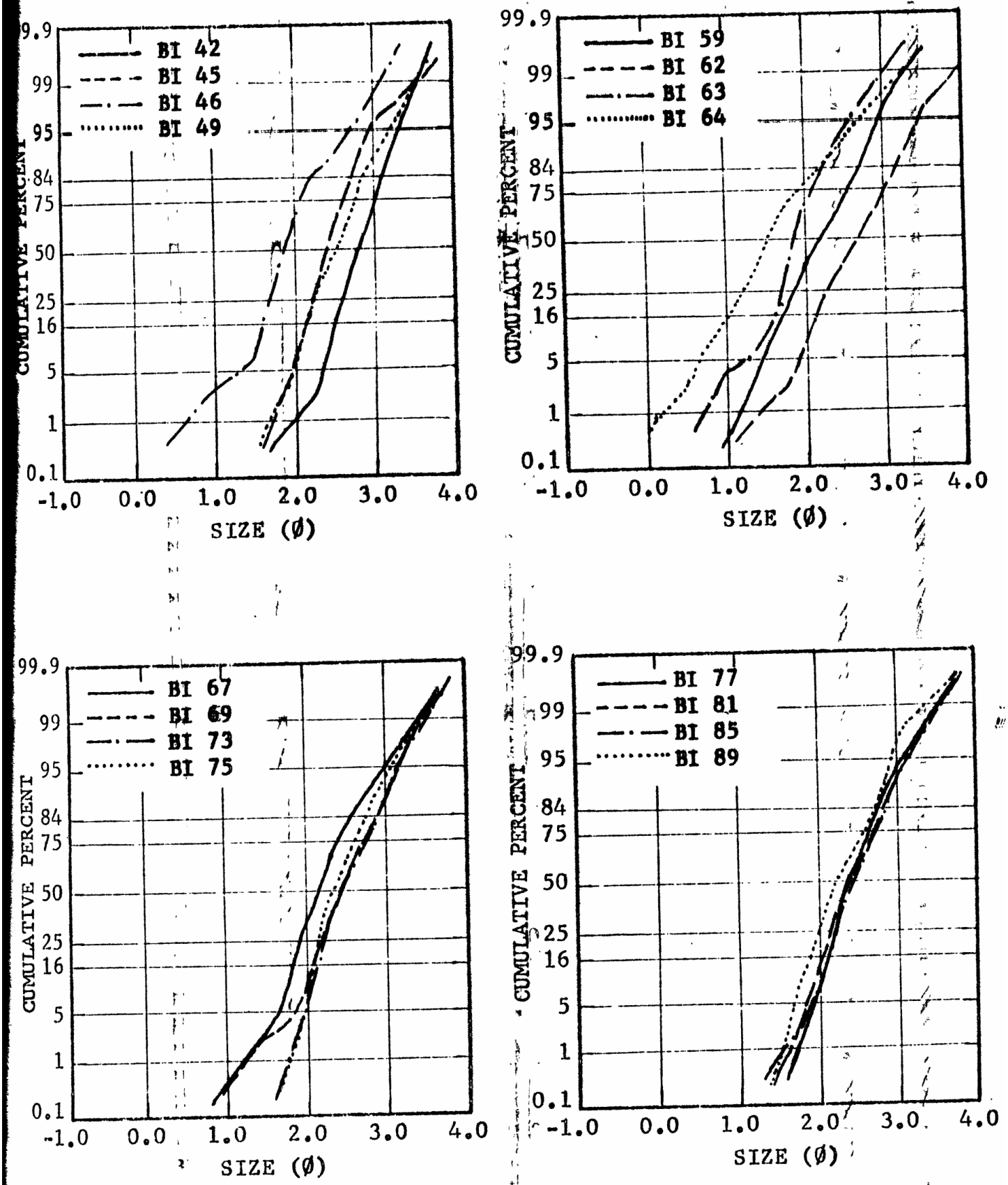


Fig. 21D. Grain size distribution curves of bottom samples from area P-6 (see PLATE 2D).

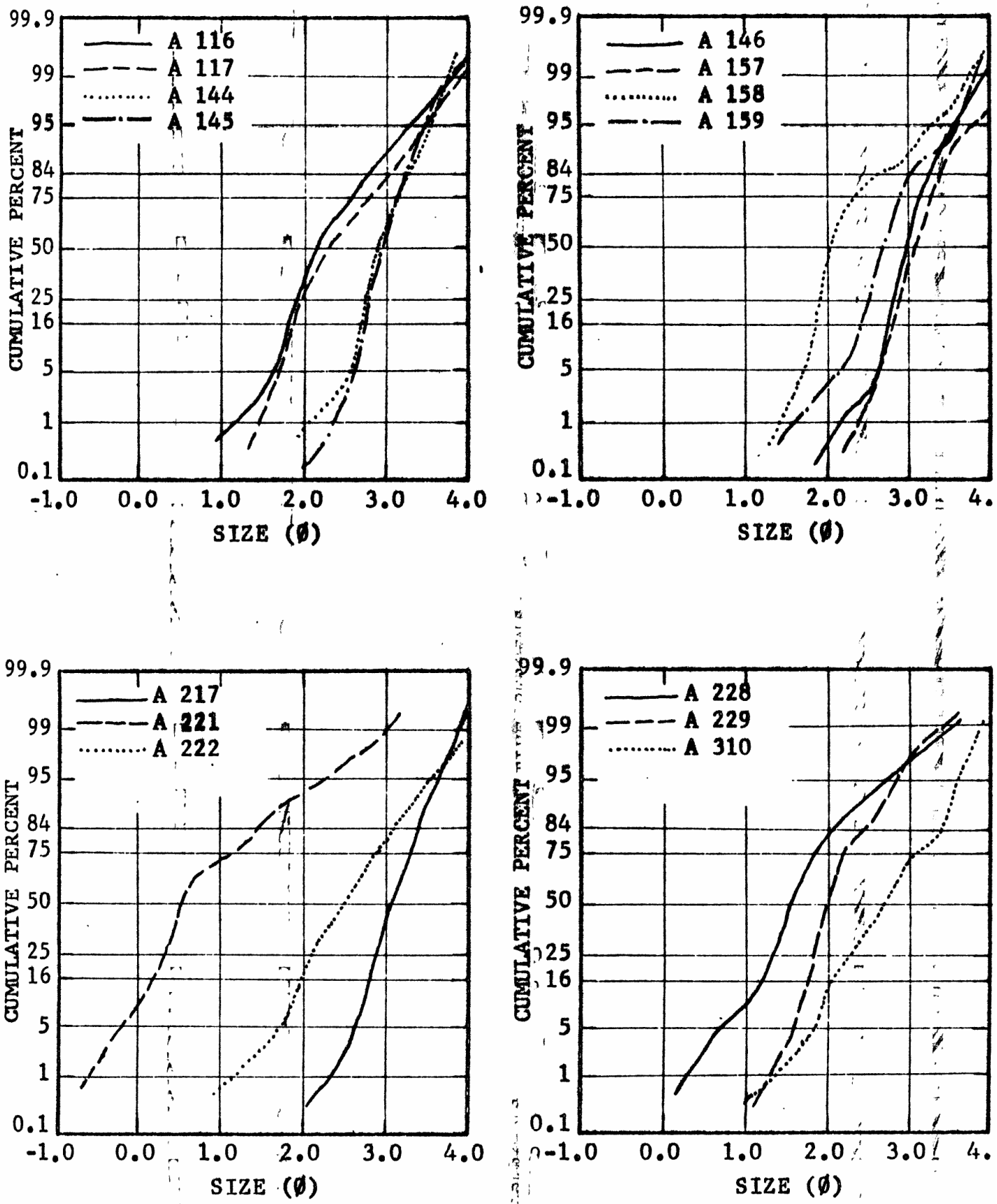


Fig. 22D . Grain size distribution curves of bottom samples from area P-7 (see PLATE 2D).

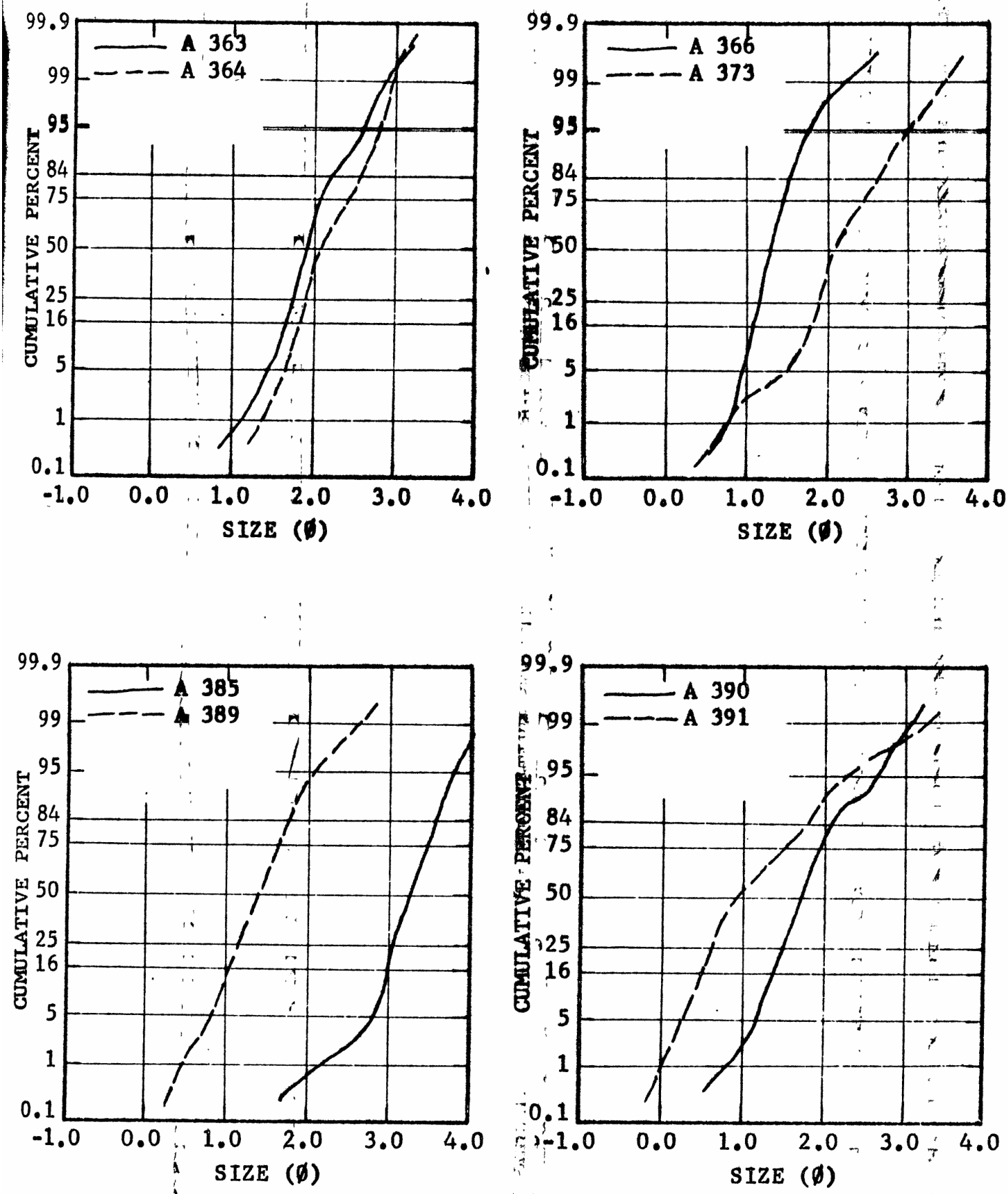


Fig. 23D . Grain size distribution curves of bottom samples from area P-8 (see PLATE 2D).

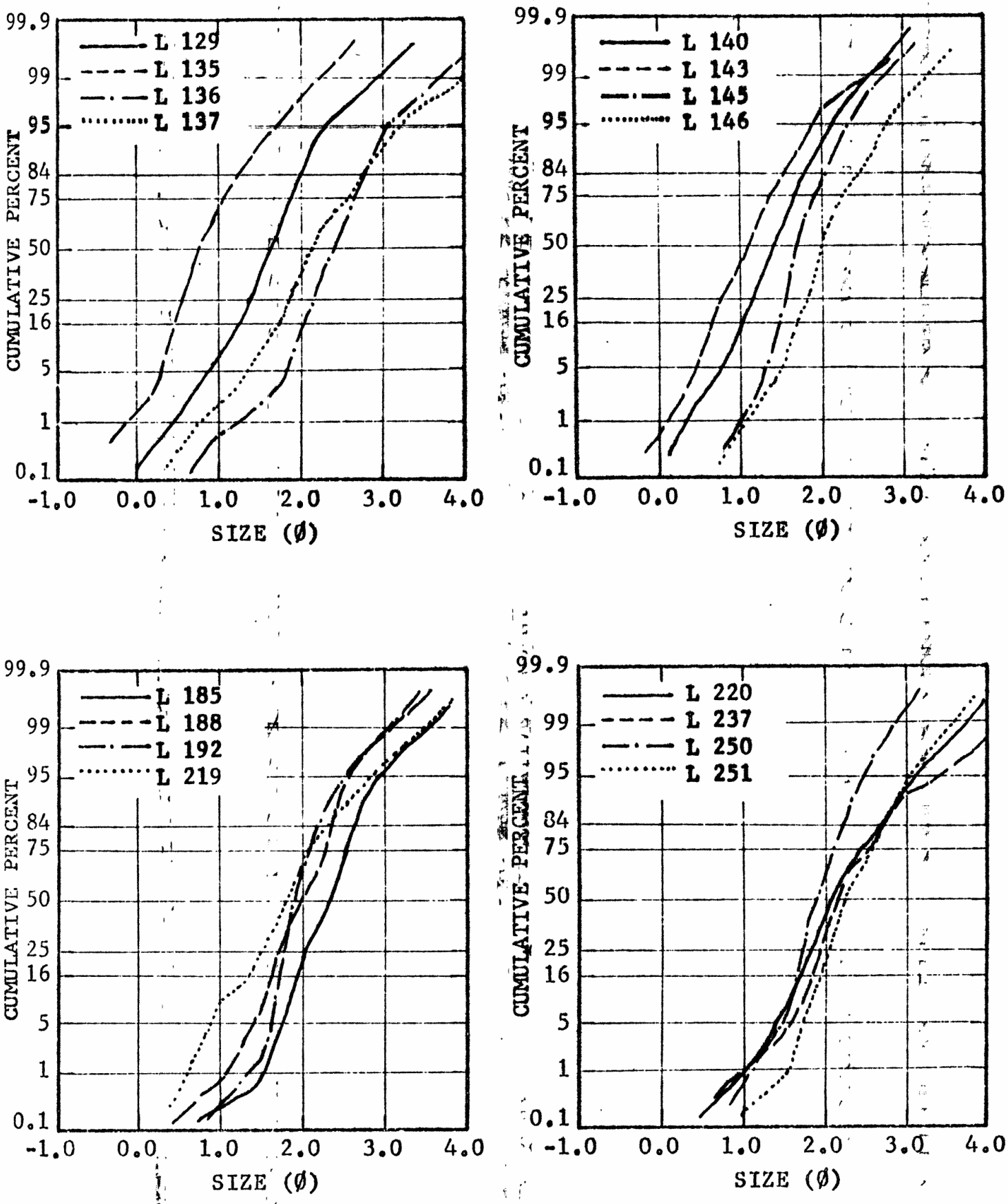
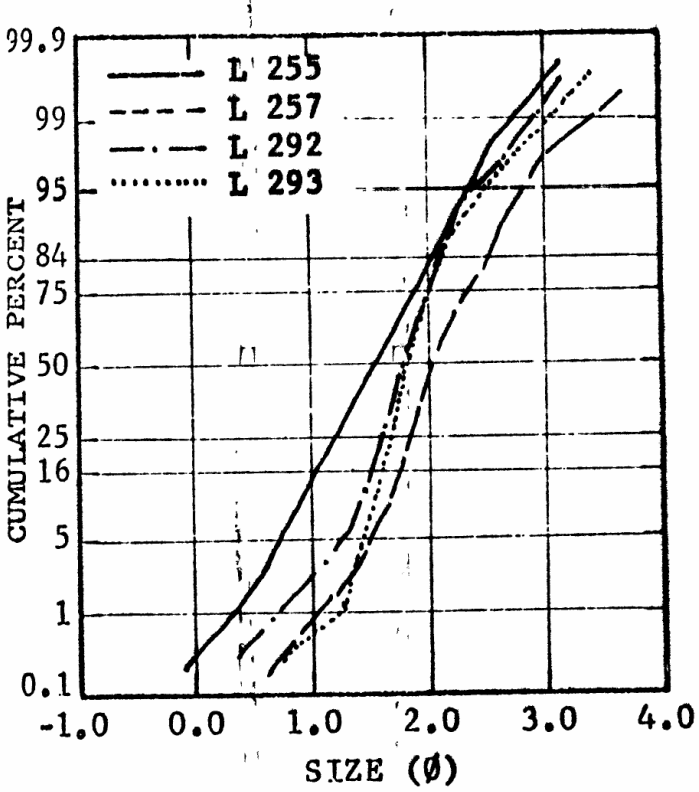
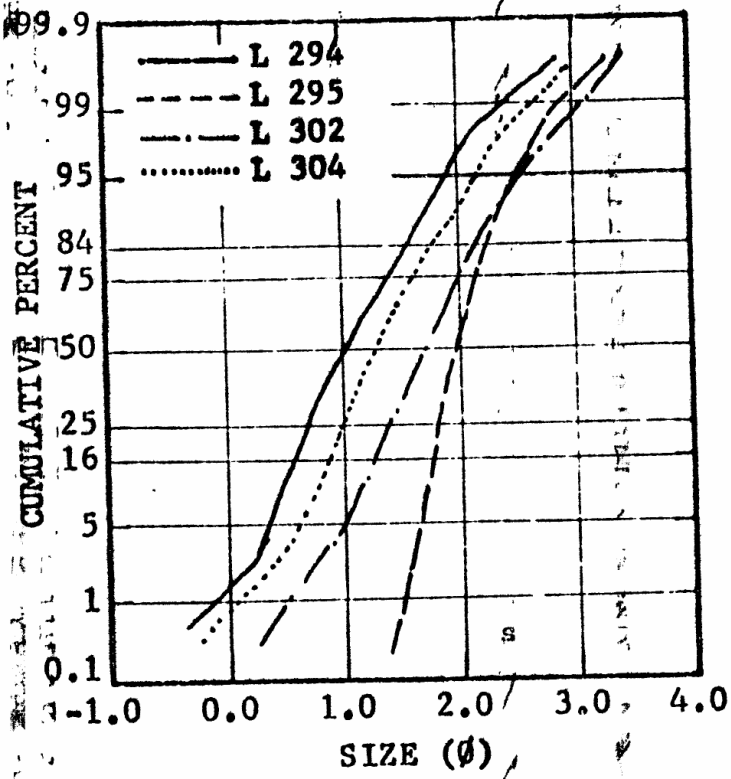
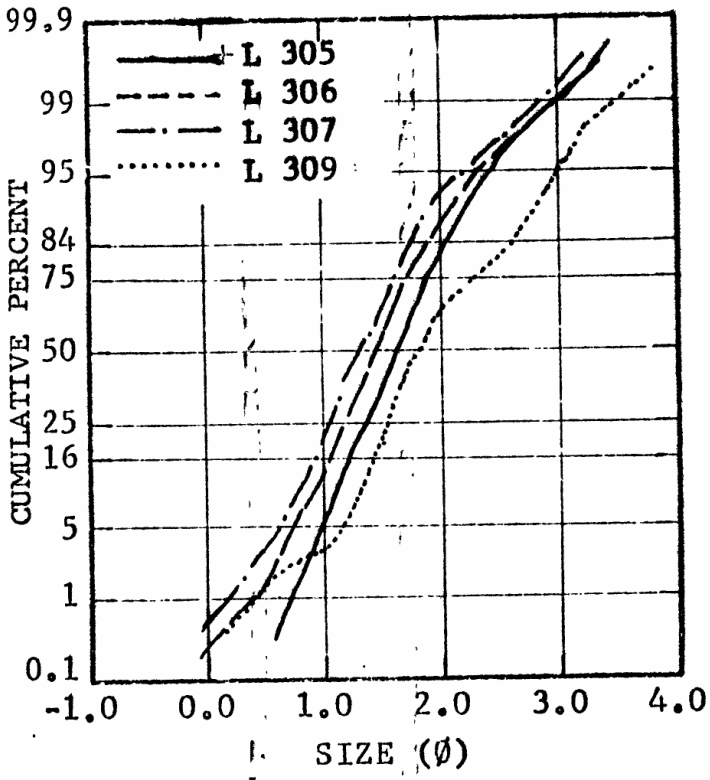


Fig. 24D . Grain size distribution curves of bottom samples from area P-9 (see PLATE 2D).







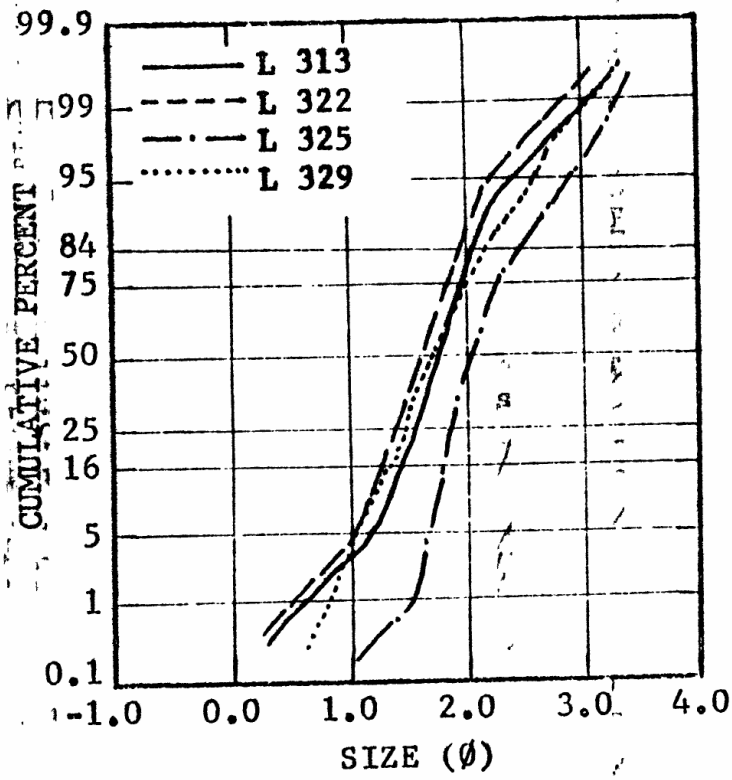


Fig. 25D . Grain size distribution curves of bottom samples from area P-9 (see PLATE 2D).

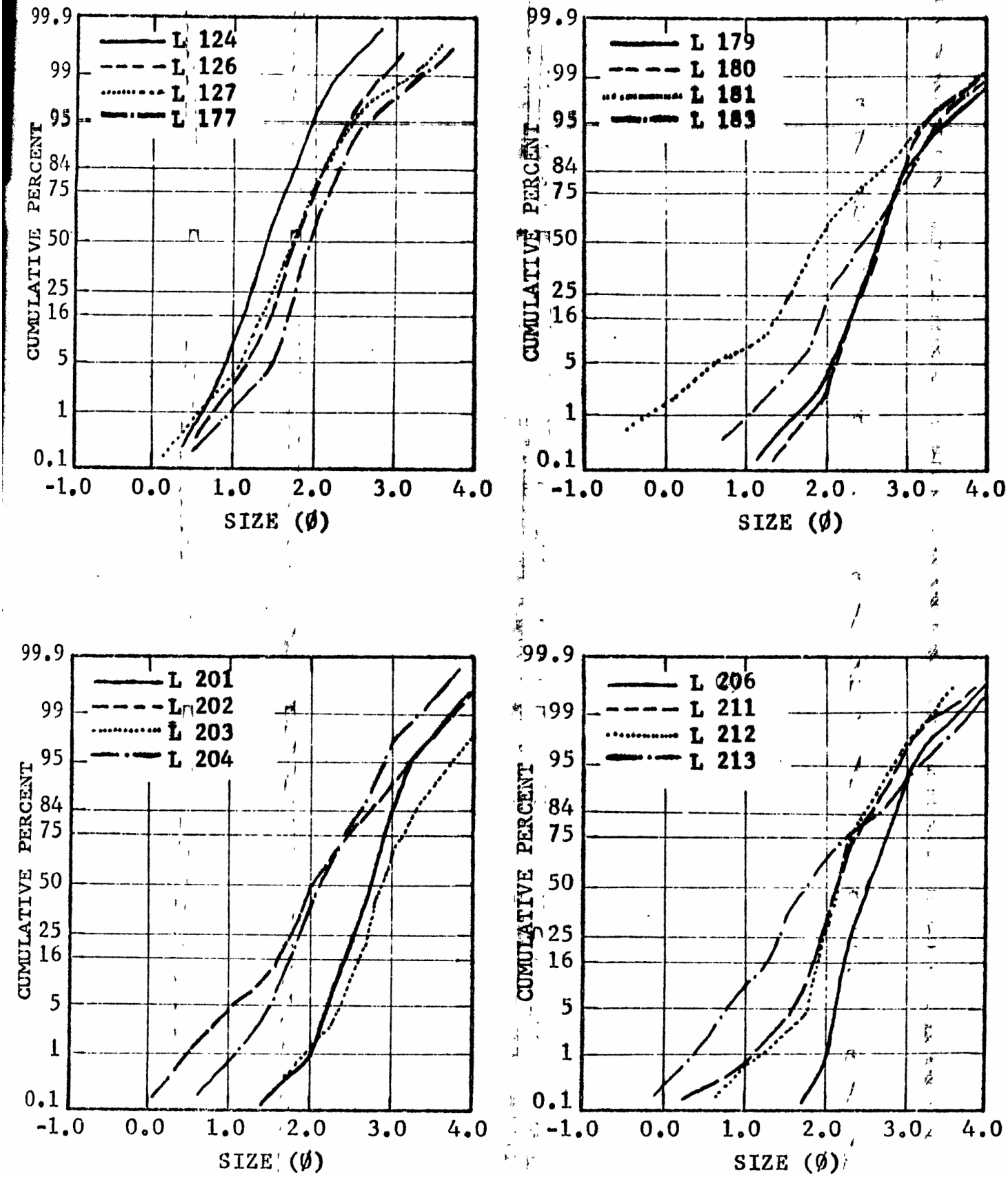
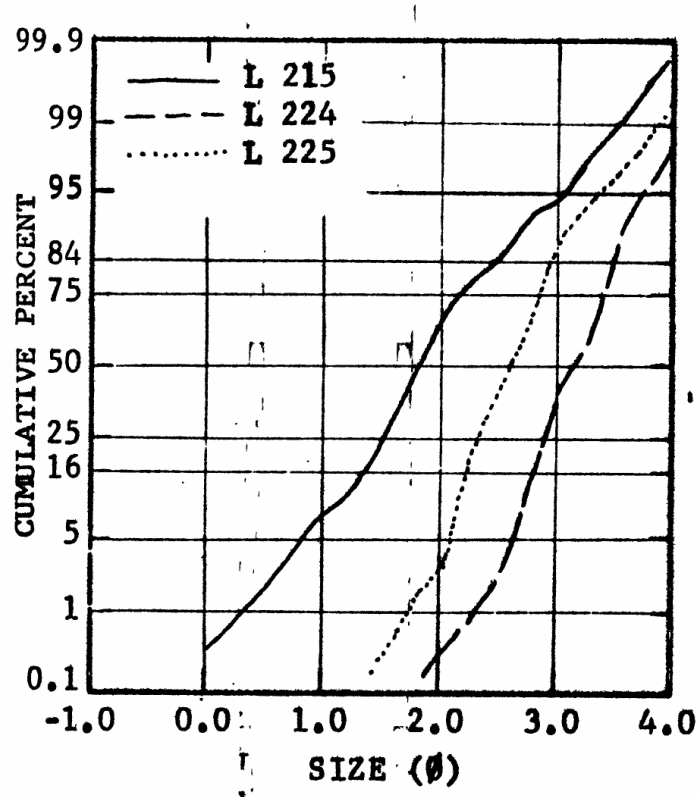
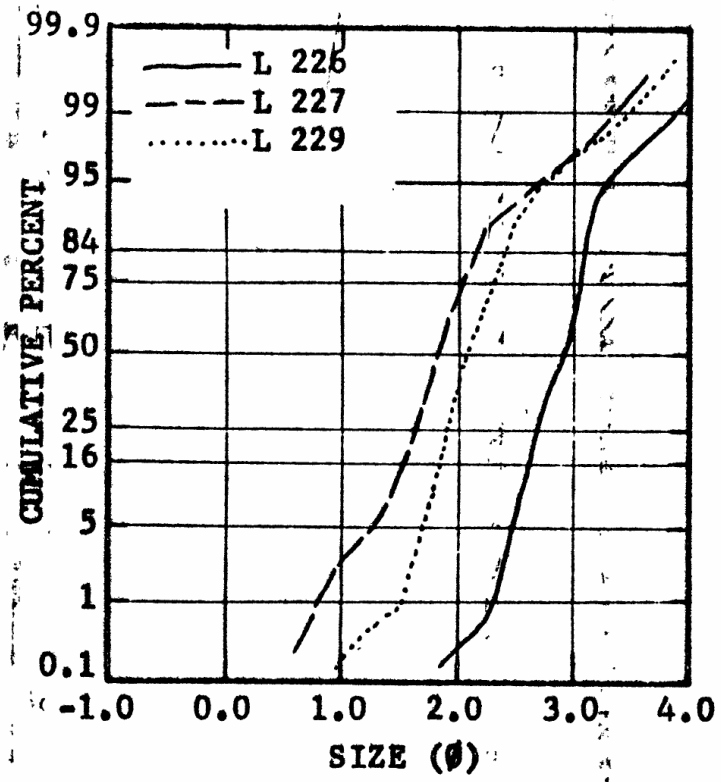
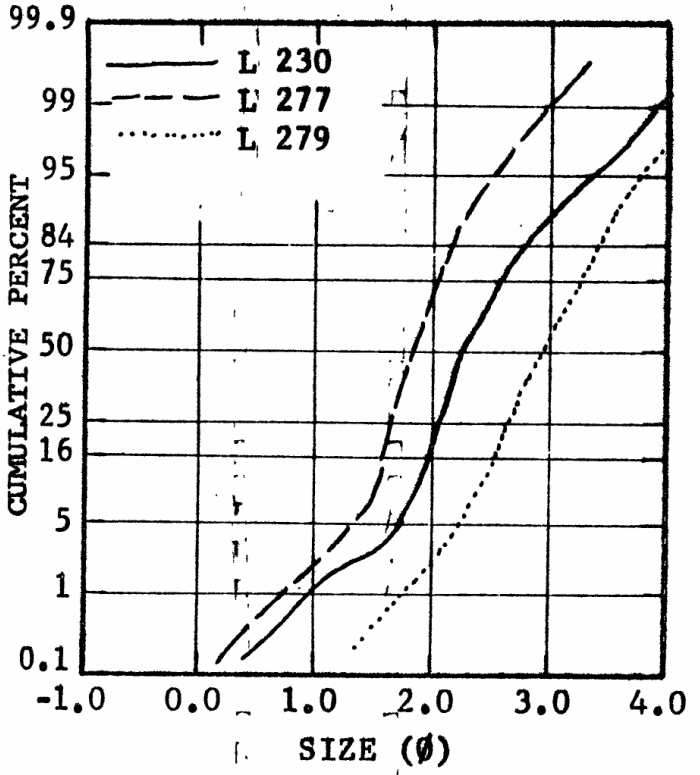


Fig. 26D . Grain size distribution curves of bottom samples from area P-10 (see PLATE 2D).







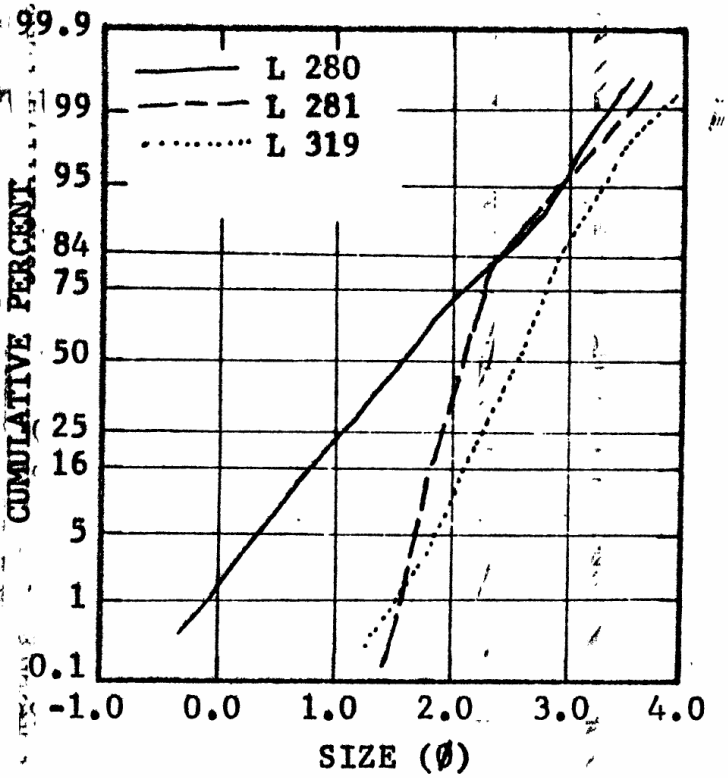
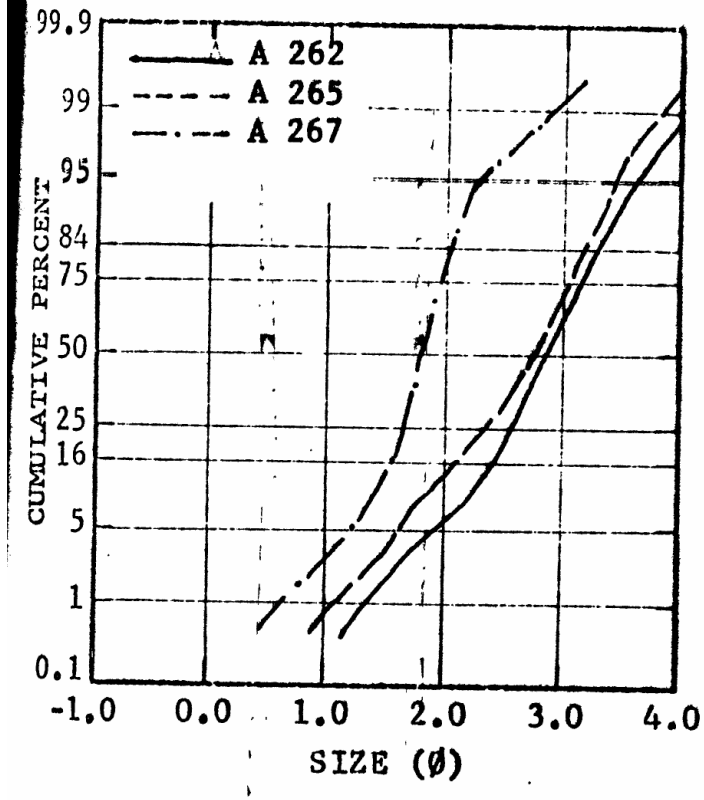
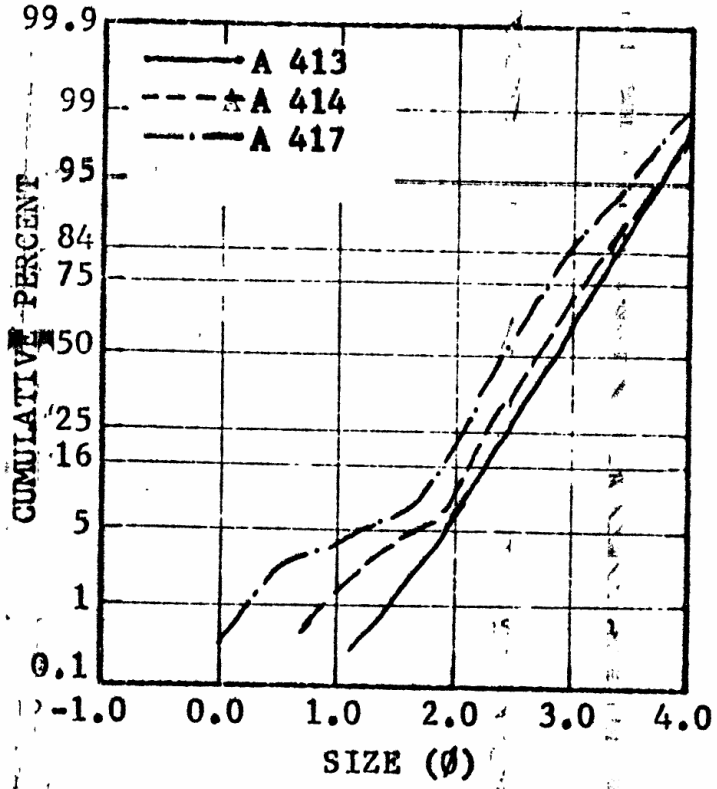
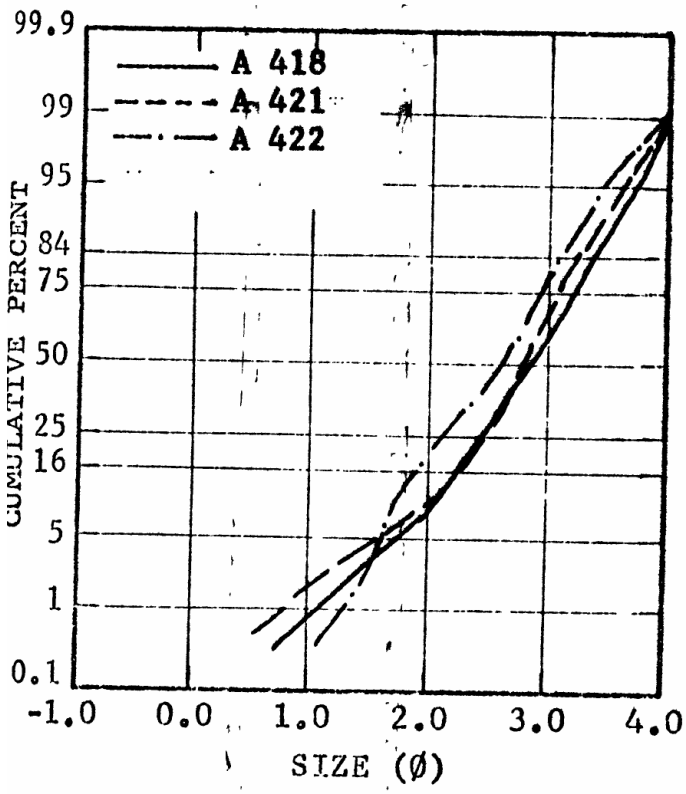


Fig. 27D . Grain size distribution curves of bottom samples from area P-10 (see PLATE 2D).







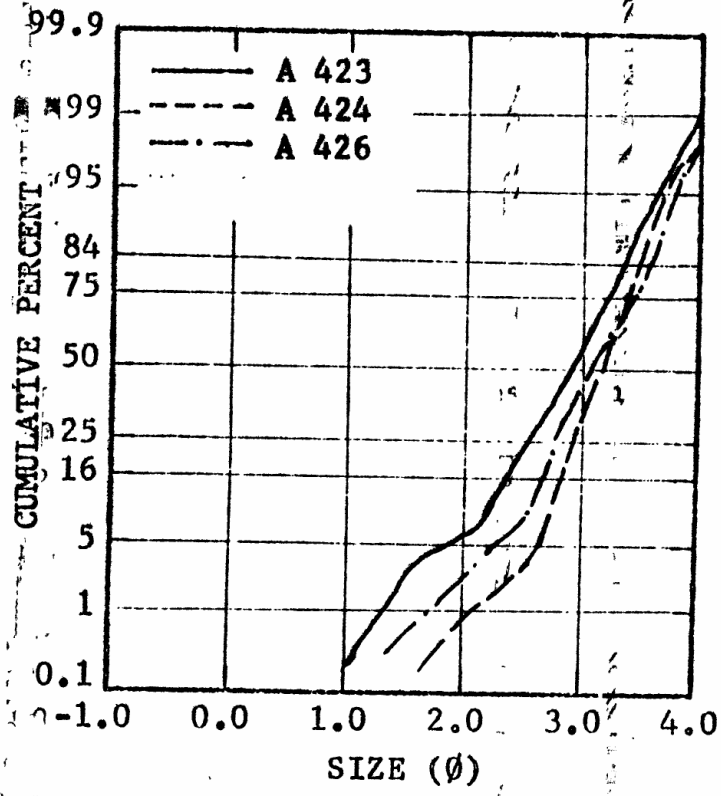


Fig. 28D . Grain size distribution curves of bottom samples from area N-1 (see PLATE 2D).

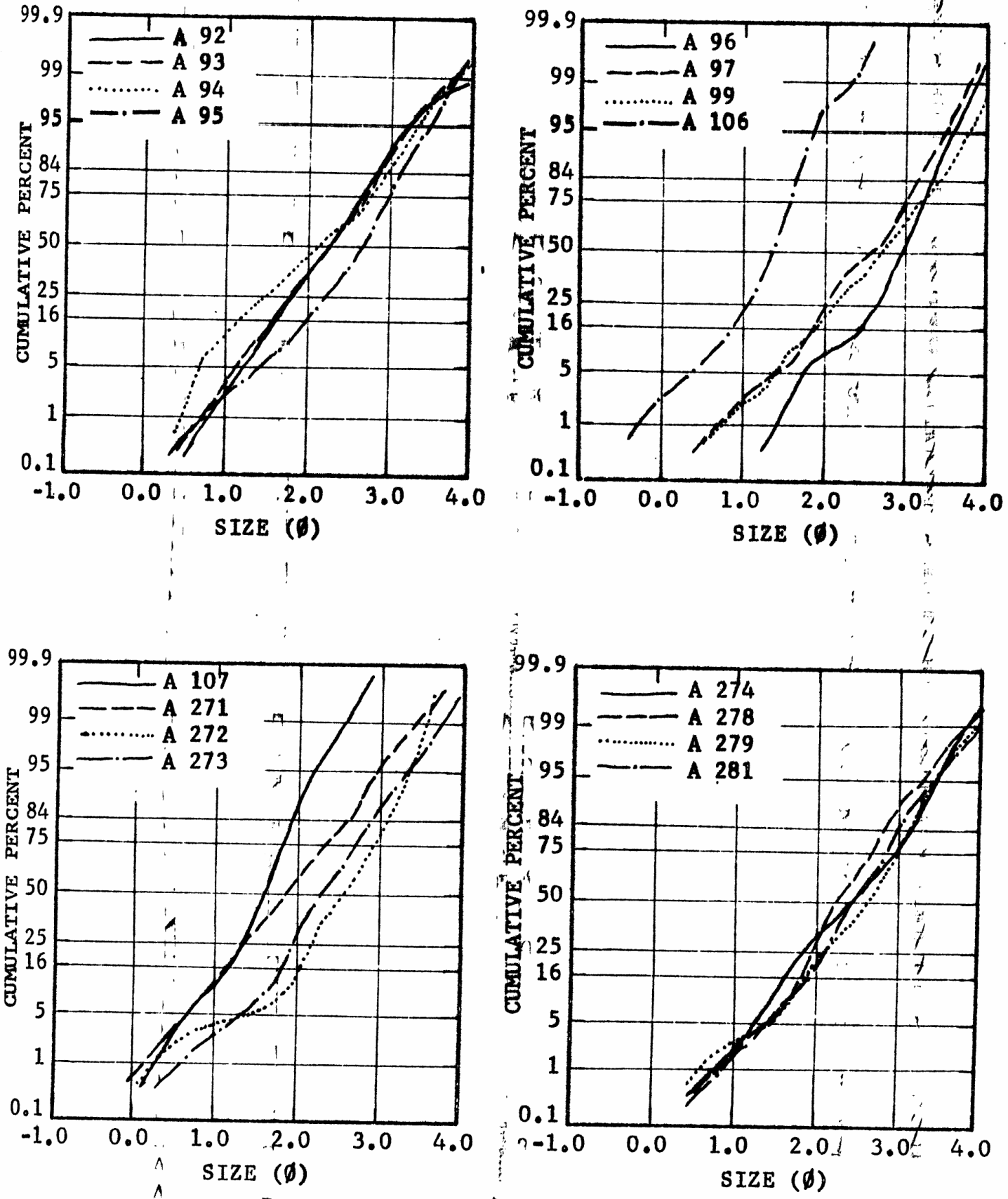


Fig. 29D^. Grain size distribution curves of bottom samples from area N-2 (see PLATE 2D).

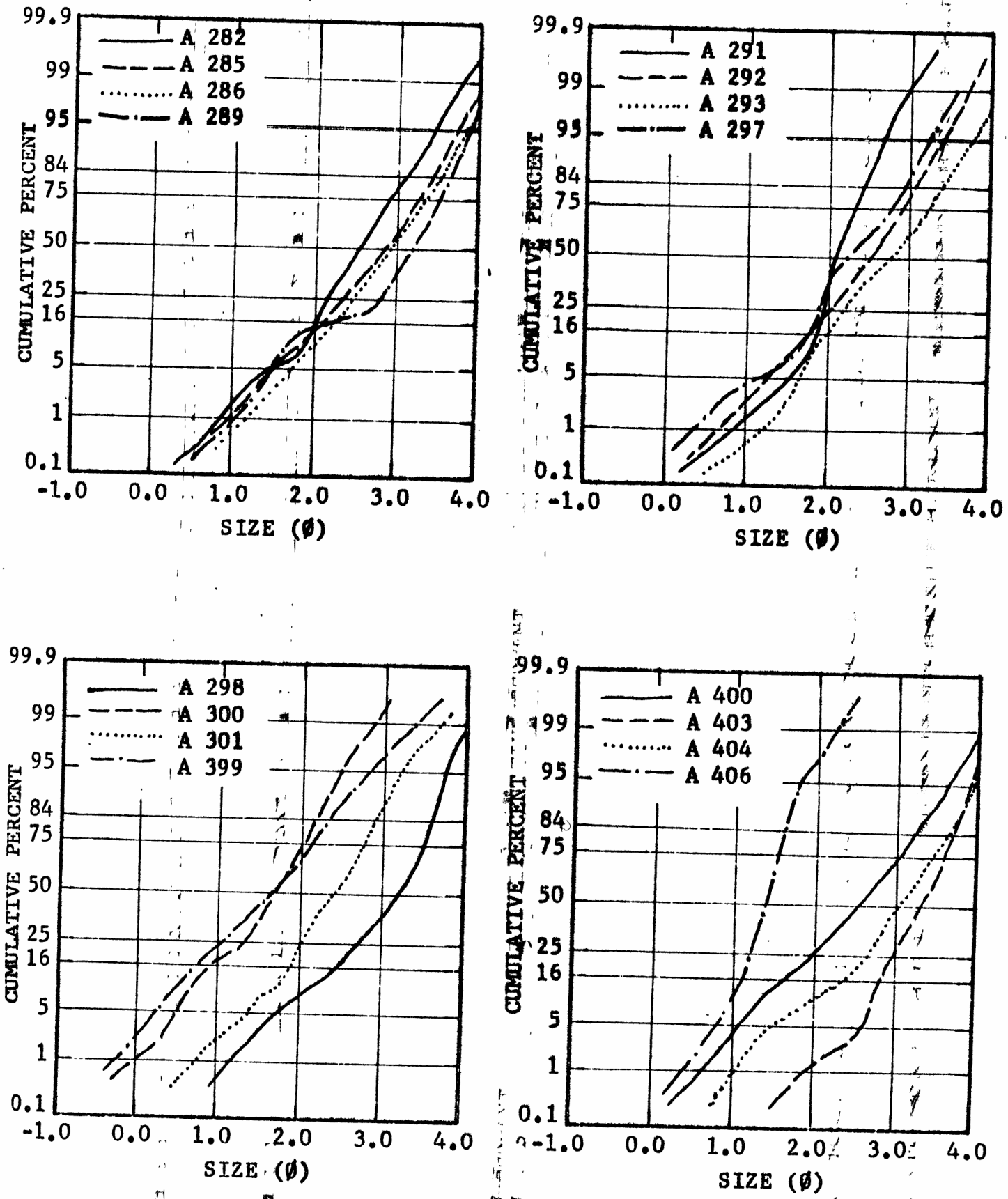


Fig. 30D . Grain size distribution curves of bottom samples from area N-2 (see PLATE 2D).

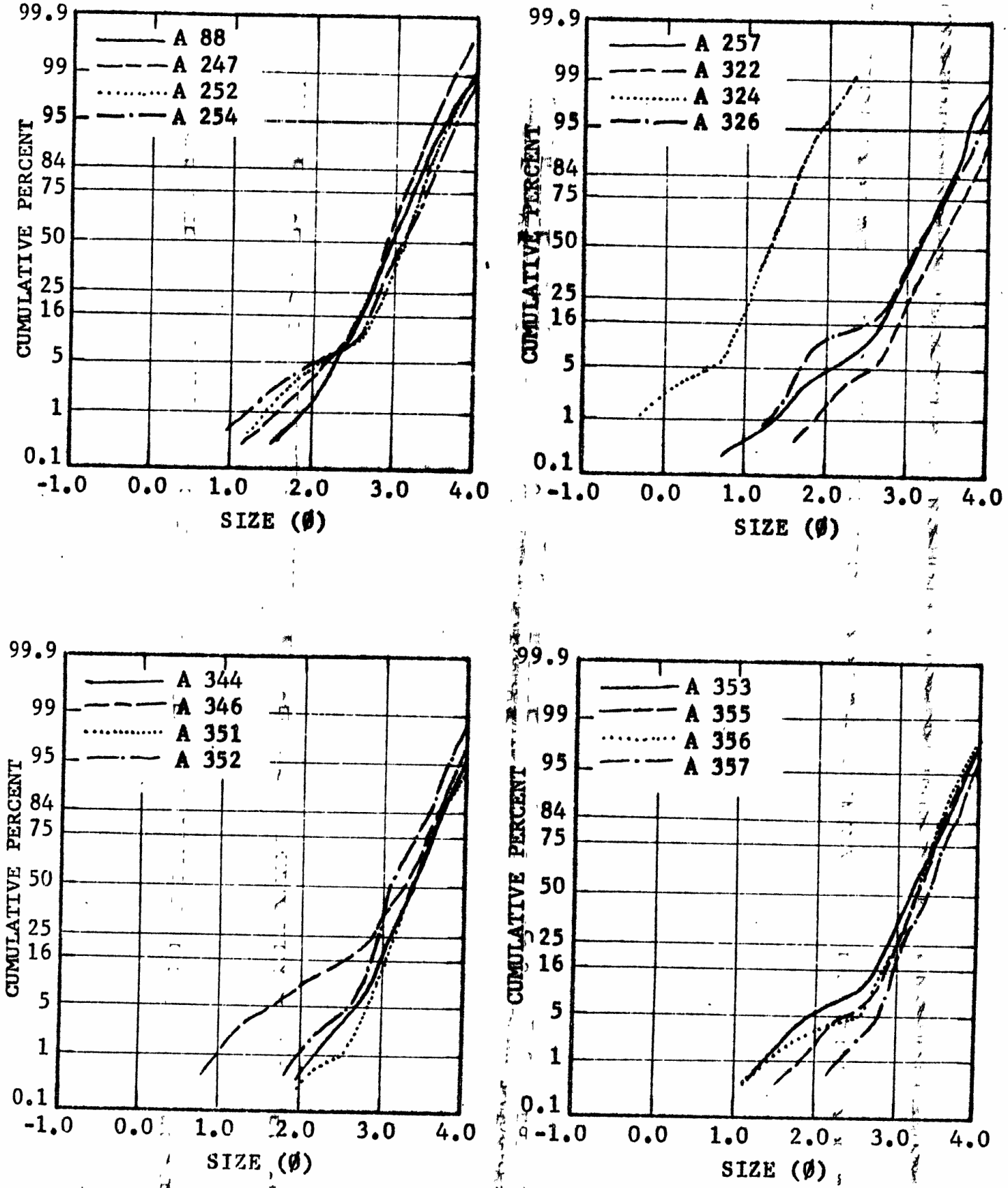
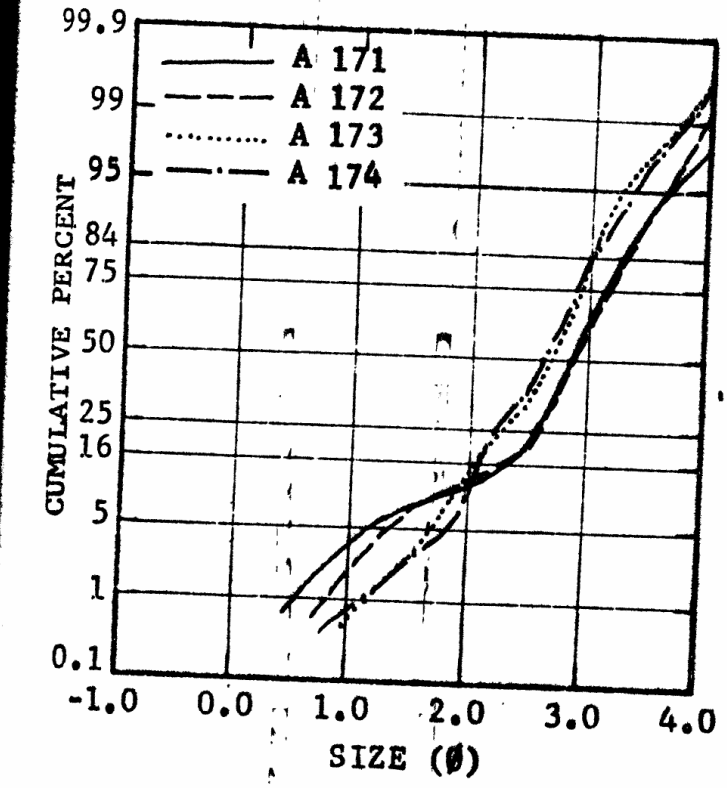
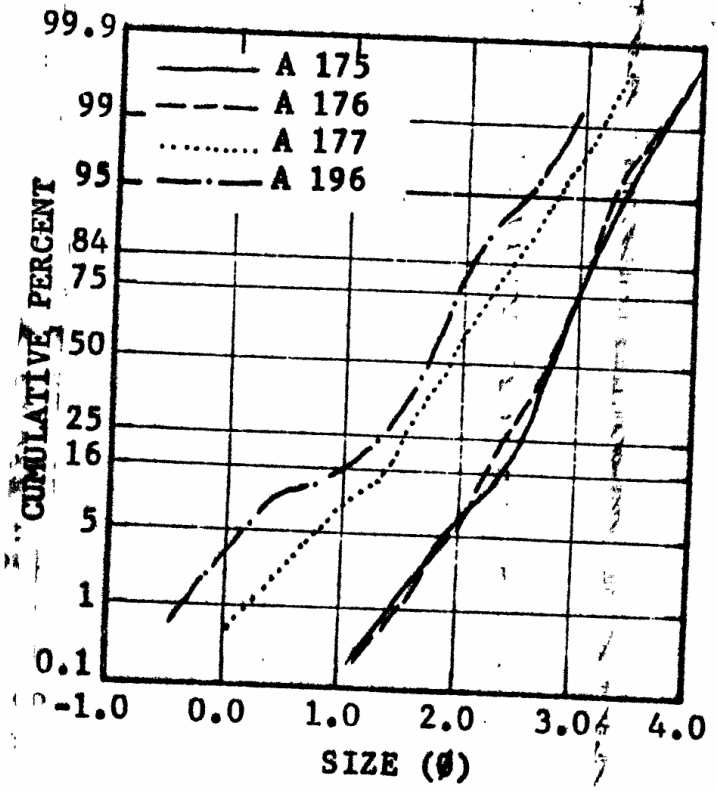
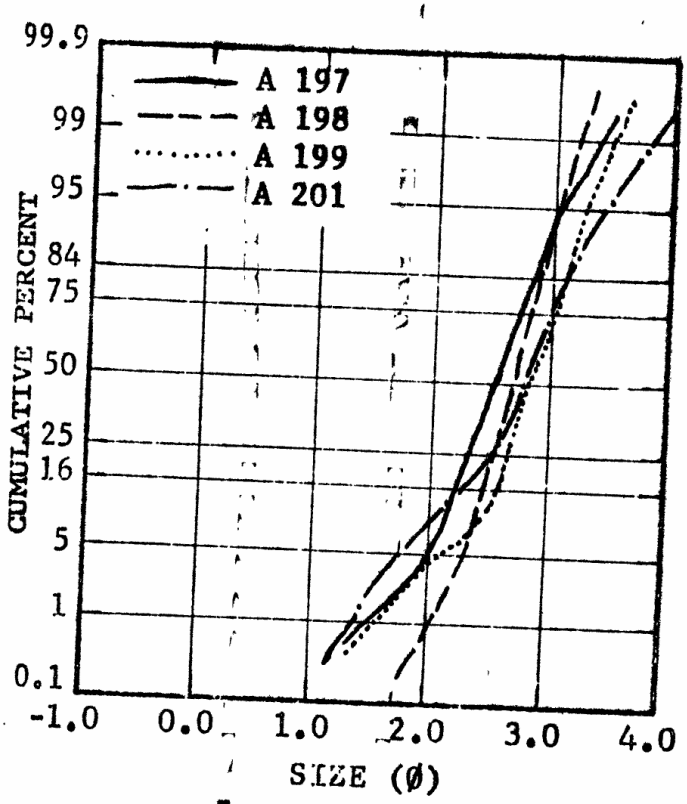


Fig. 31D'. Grain size distribution curves of bottom samples from area N-3 (see PLATE 2D).







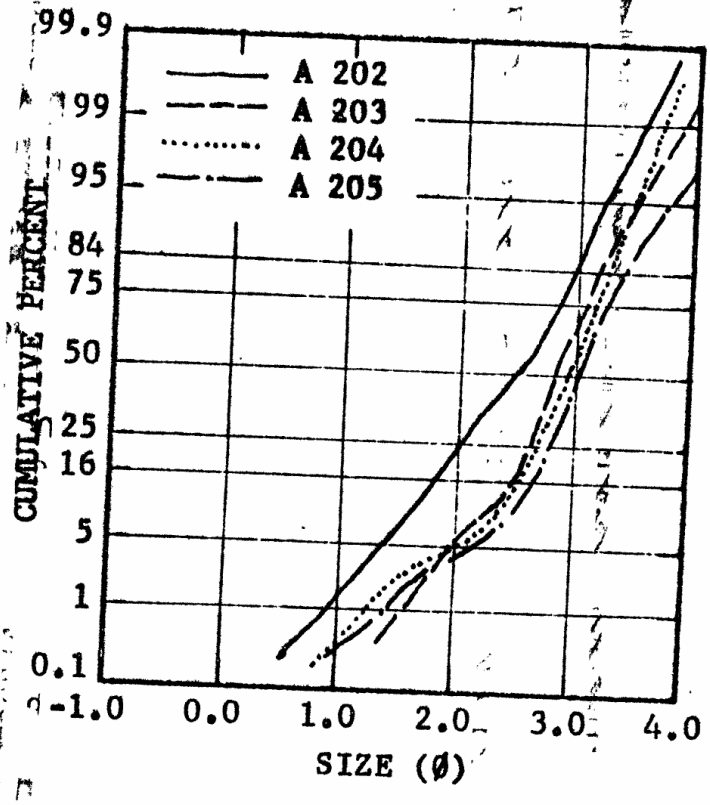


Fig. 32D . Grain size distribution curves of bottom samples from area N-4 (see PLATE 2D).

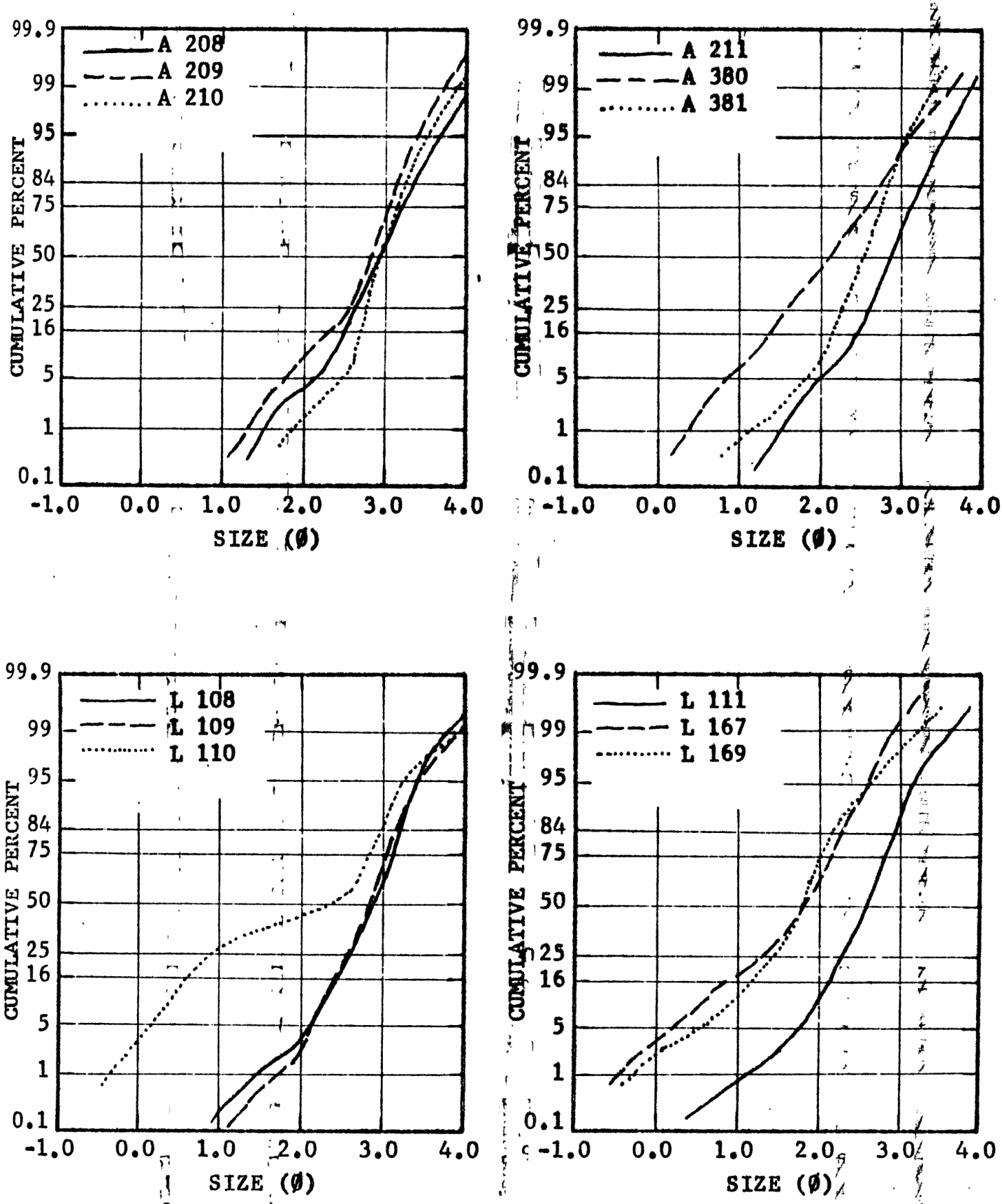


Fig. 33D . Grain size distribution curves of bottom samples from area N-4 (see PLATE 2D).

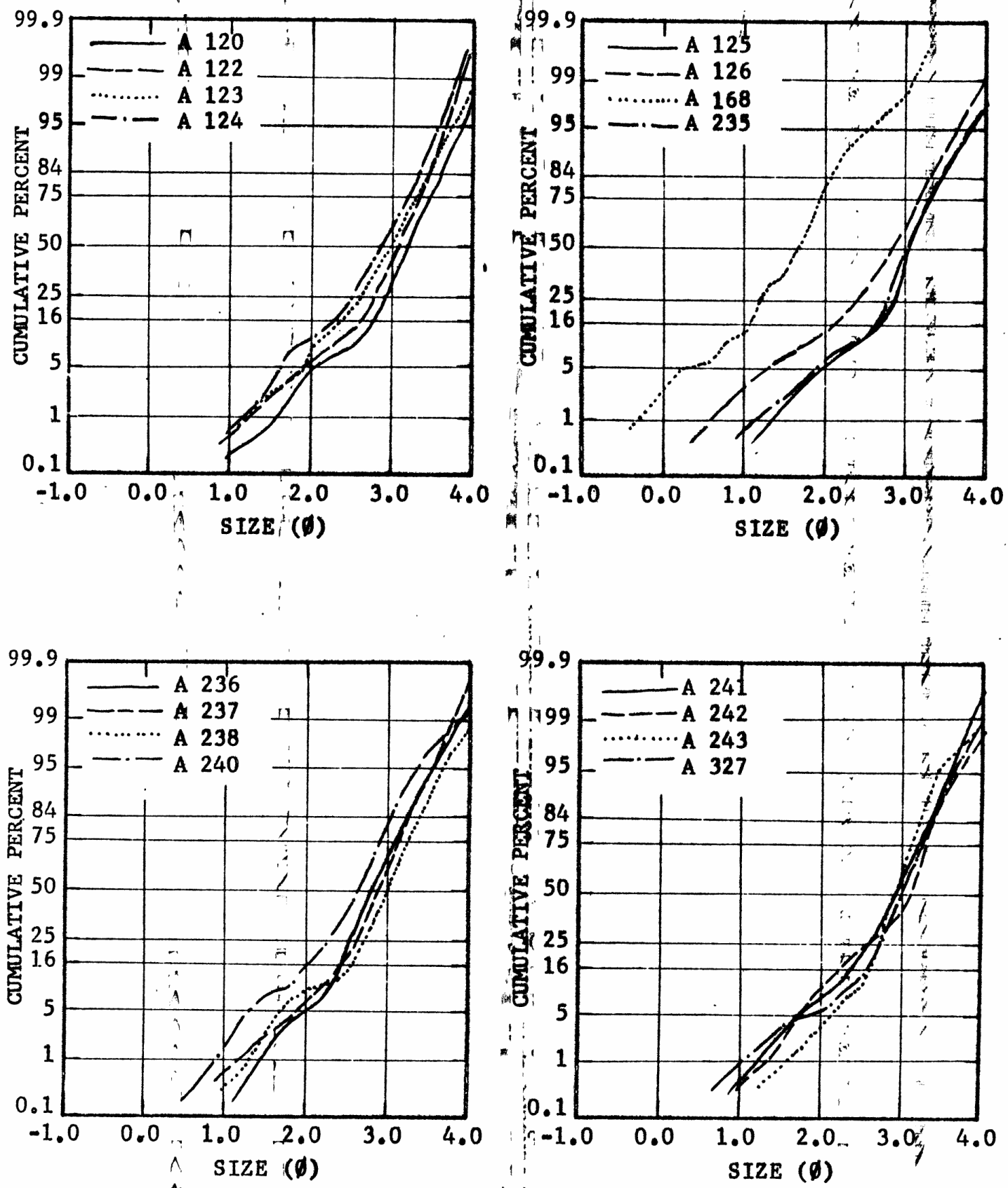


Fig. 34D. Grain size distribution curves of bottom samples from area N-5 (see PLATE 2D).

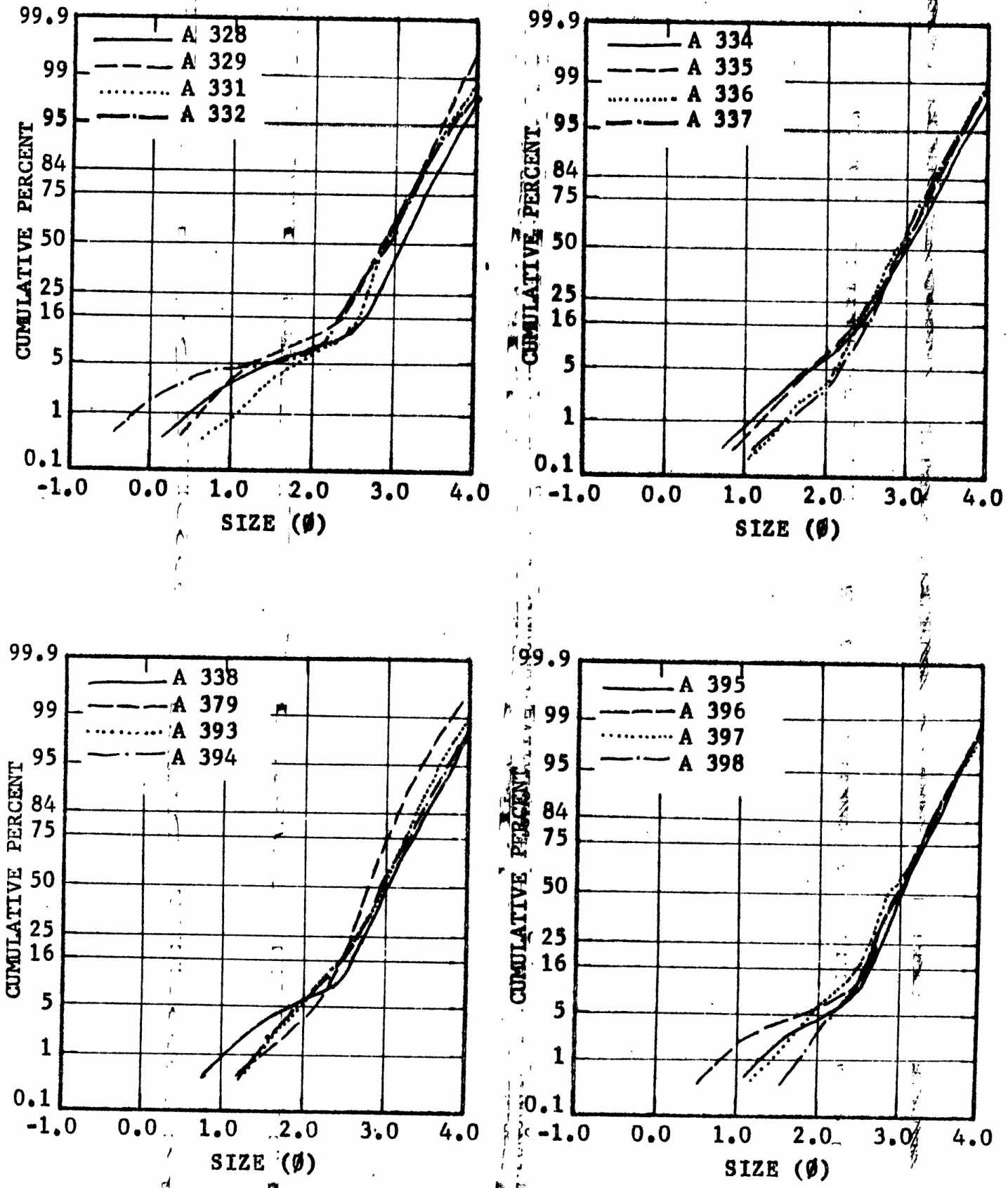


Fig. 35D . Grain size distribution curves of bottom samples from area N-5 (see PLATE 2D).

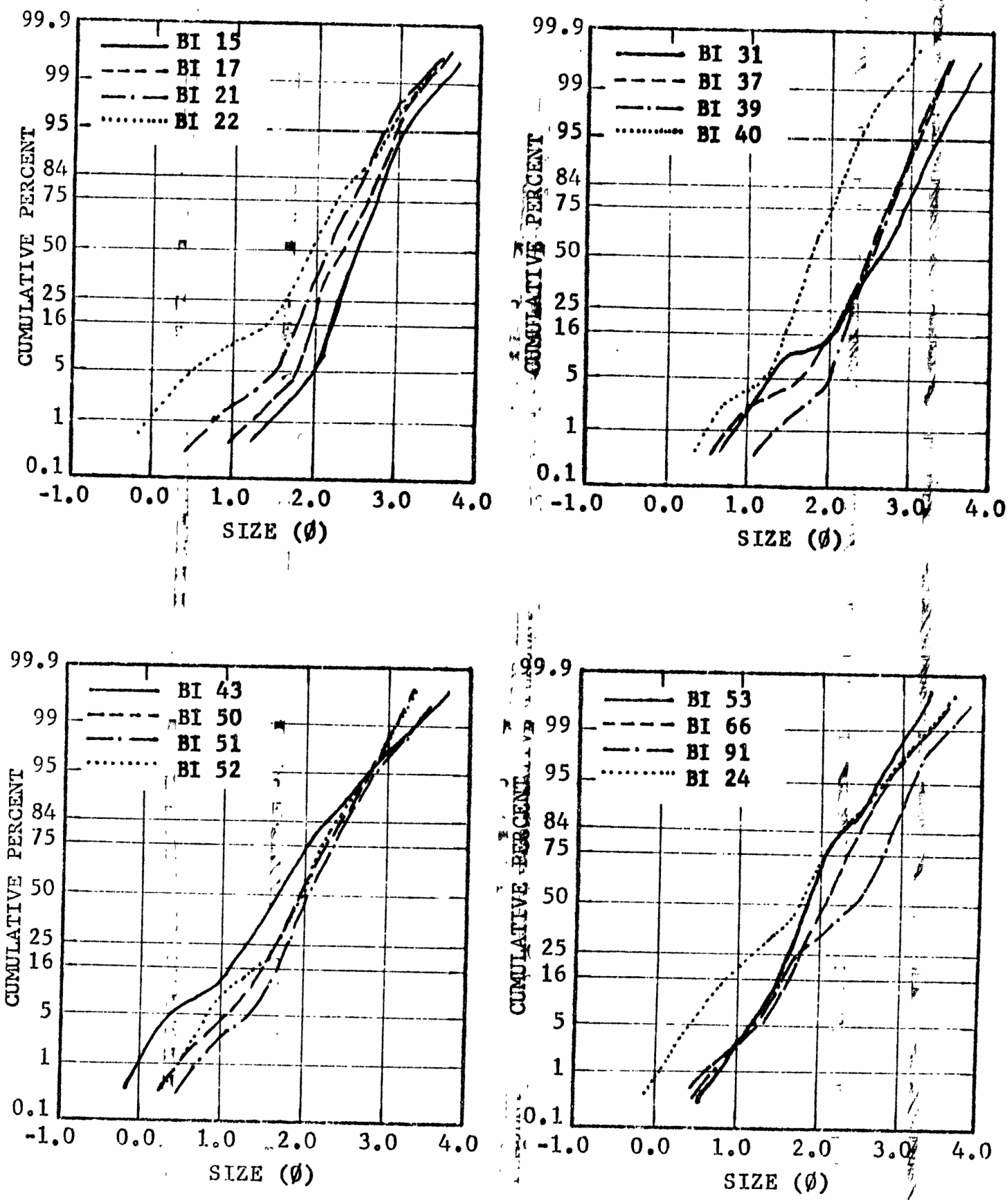
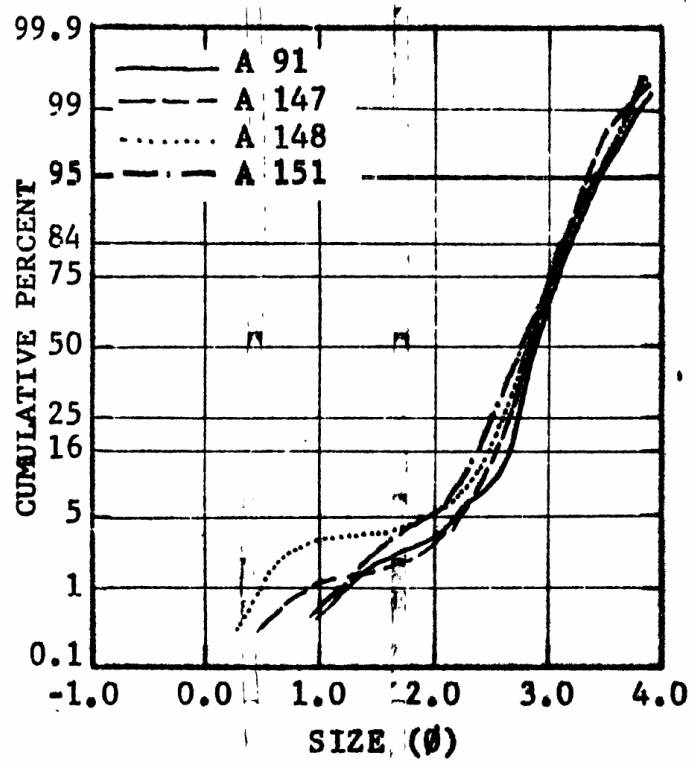
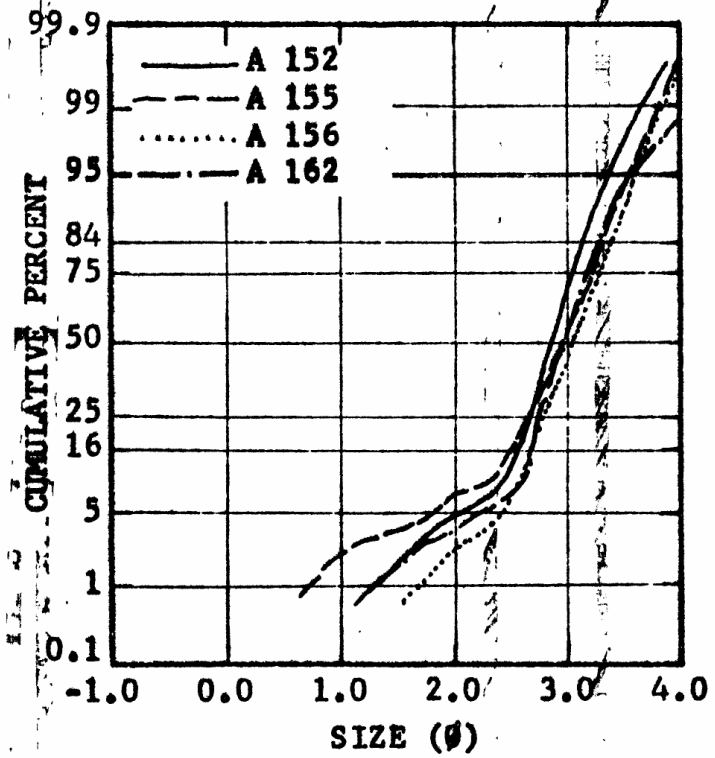
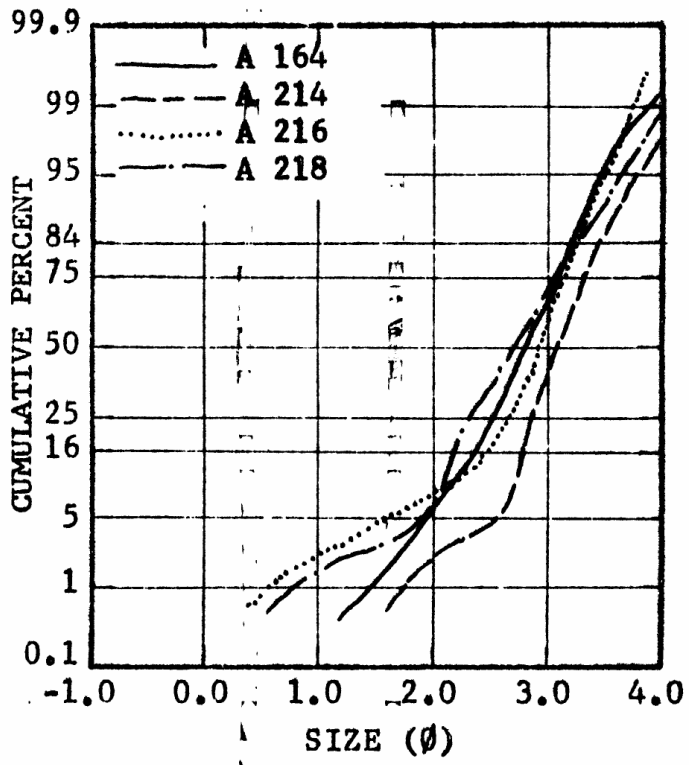


Fig. 36D . Grain size distribution curves of bottom samples from area N-6 (see PLATE 2D).







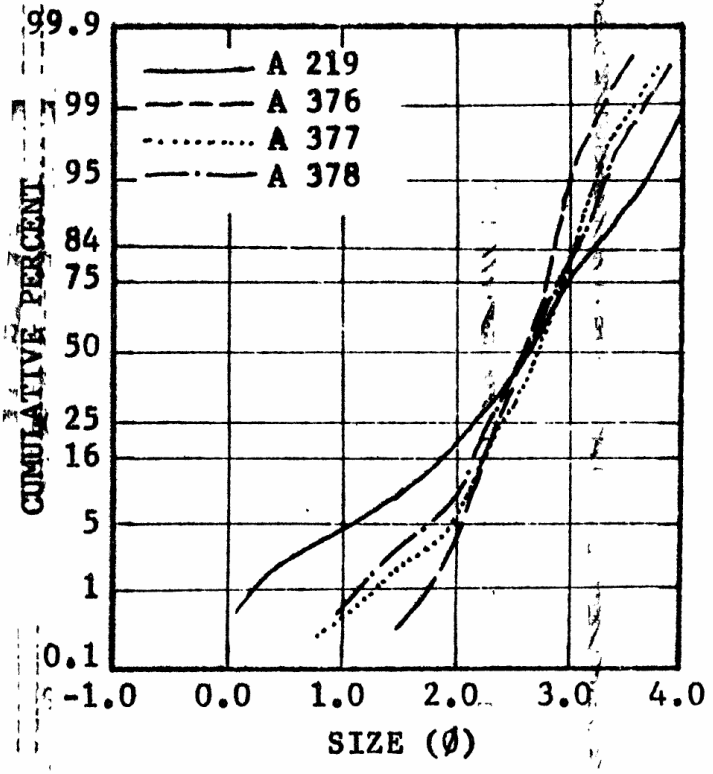


Fig. 37D. Grain size distribution curves of bottom samples from area N-7 (see PLATE 2D).

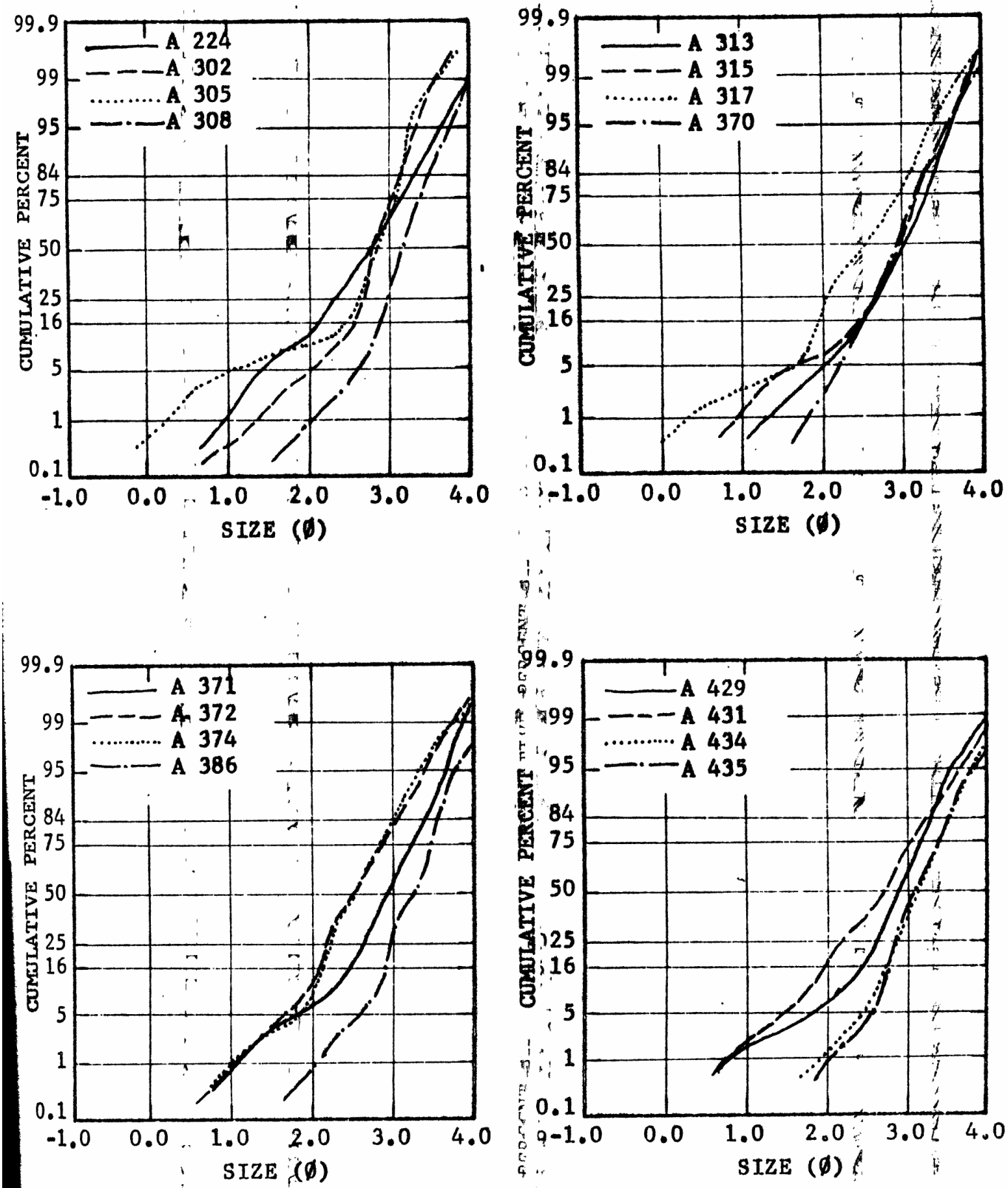
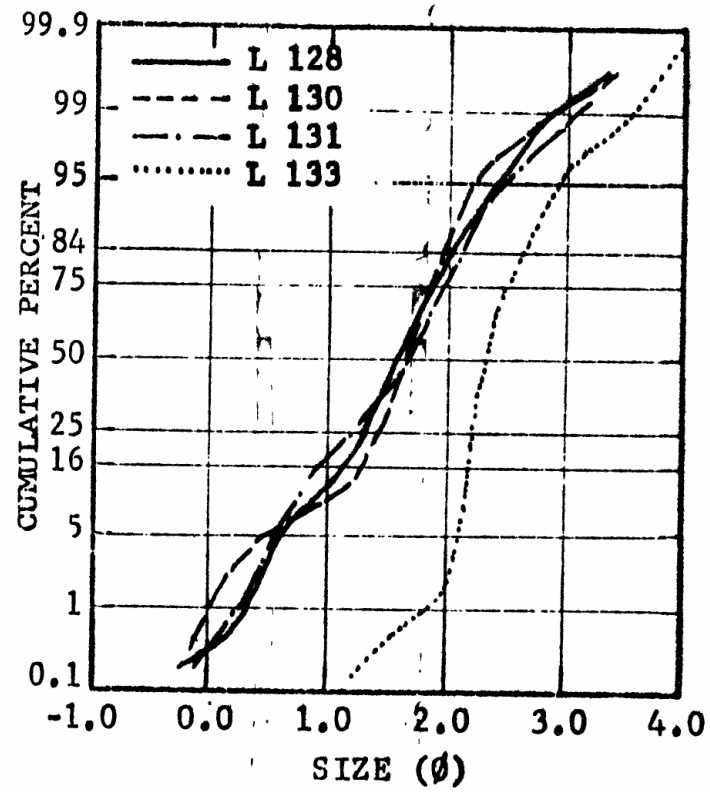
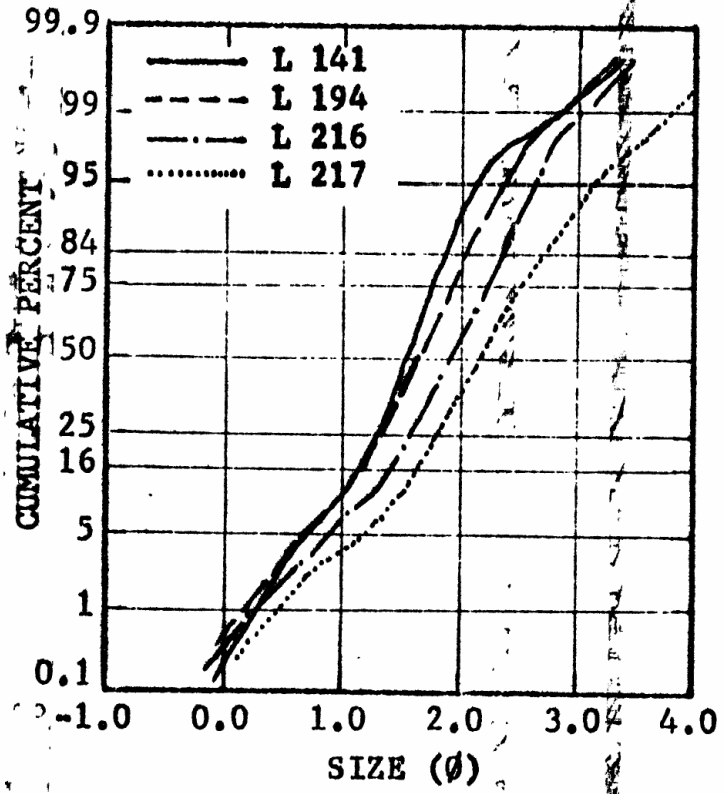
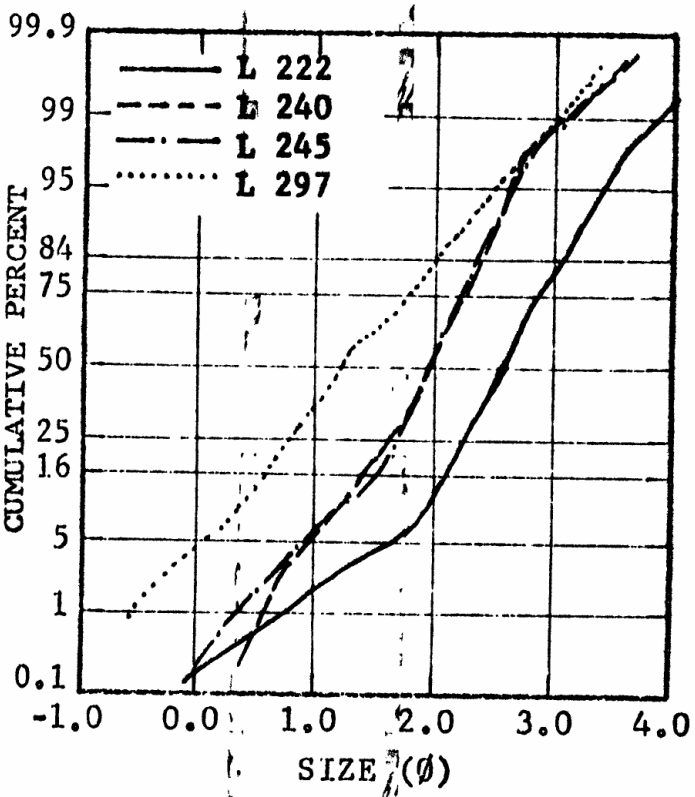


Fig. 38D . Grain size distribution curves of bottom samples from area N-8 (see PLATE 2D).







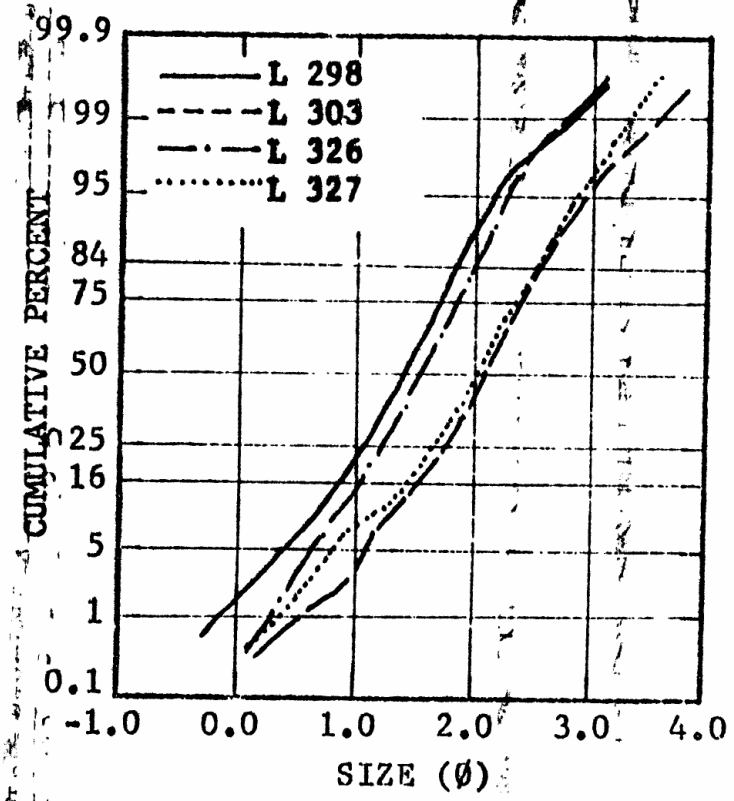


Fig. 39D. Grain size distribution curves of bottom samples from area N-9 (see PLATE 2D).

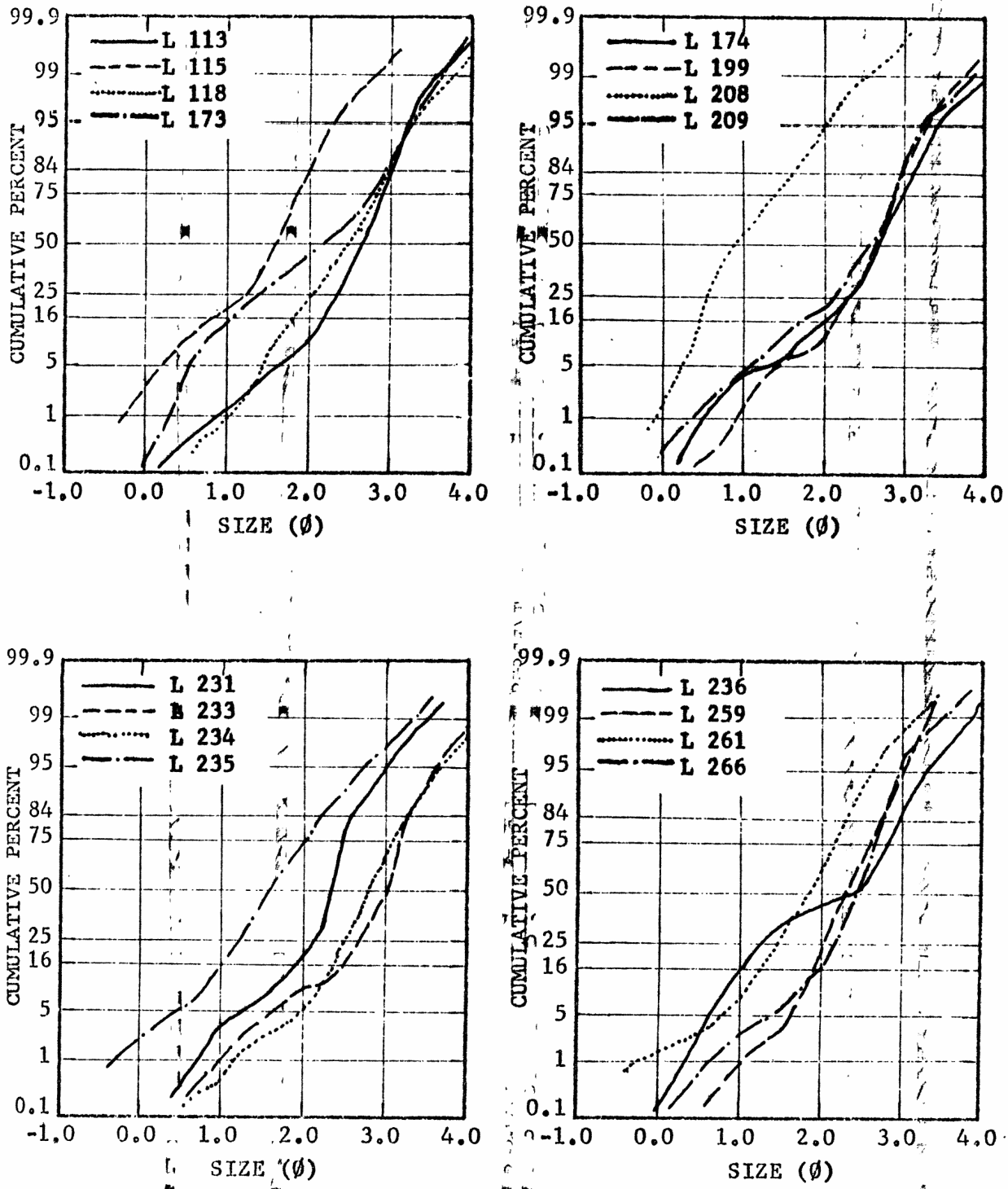


Fig. 40D. Grain size distribution curves of bottom samples from area N-10 (see PLATE 2D).

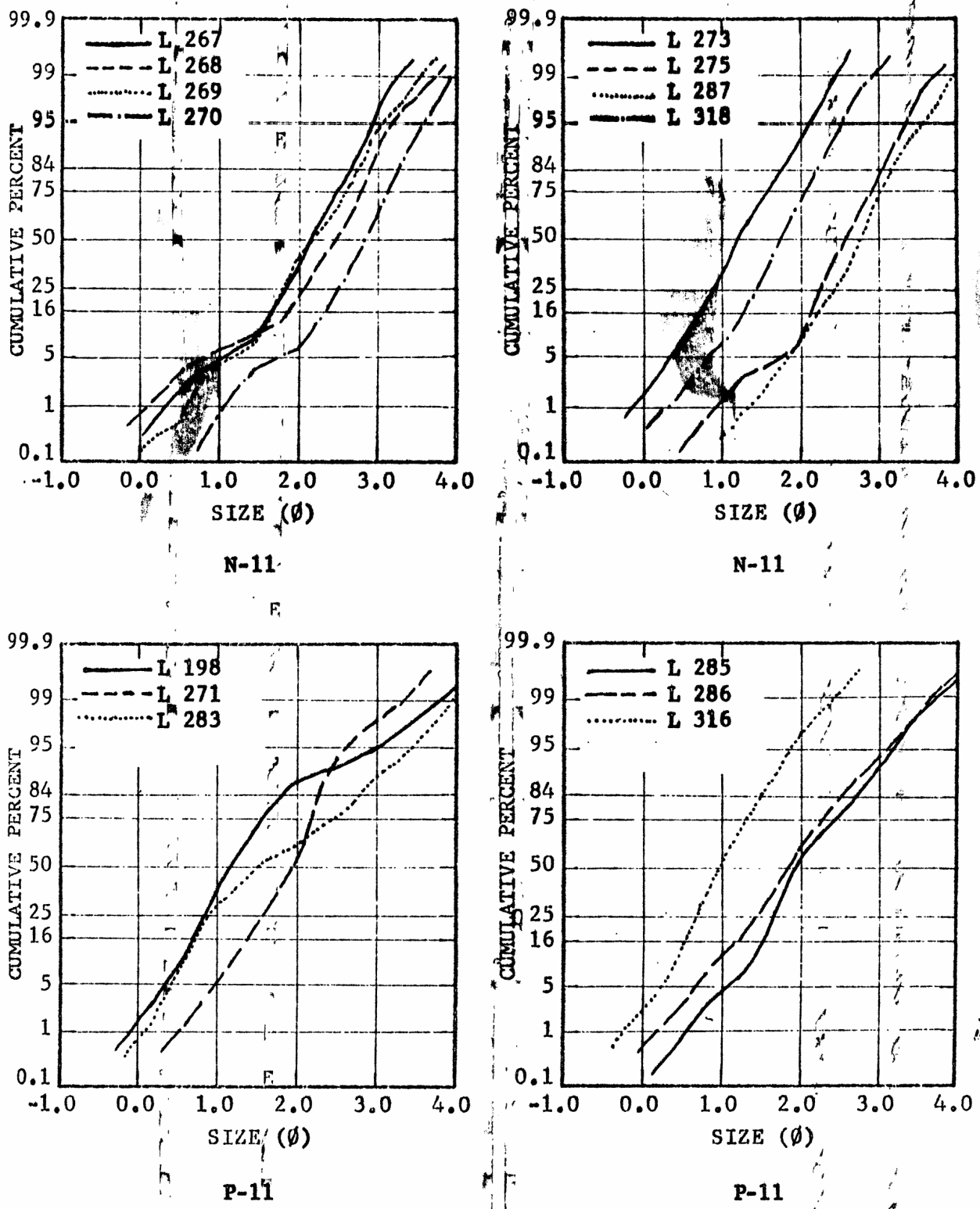


Fig. 41D . Grain size distribution curves of bottom samples from areas N-11 and P-11 (see PLATE 2D).

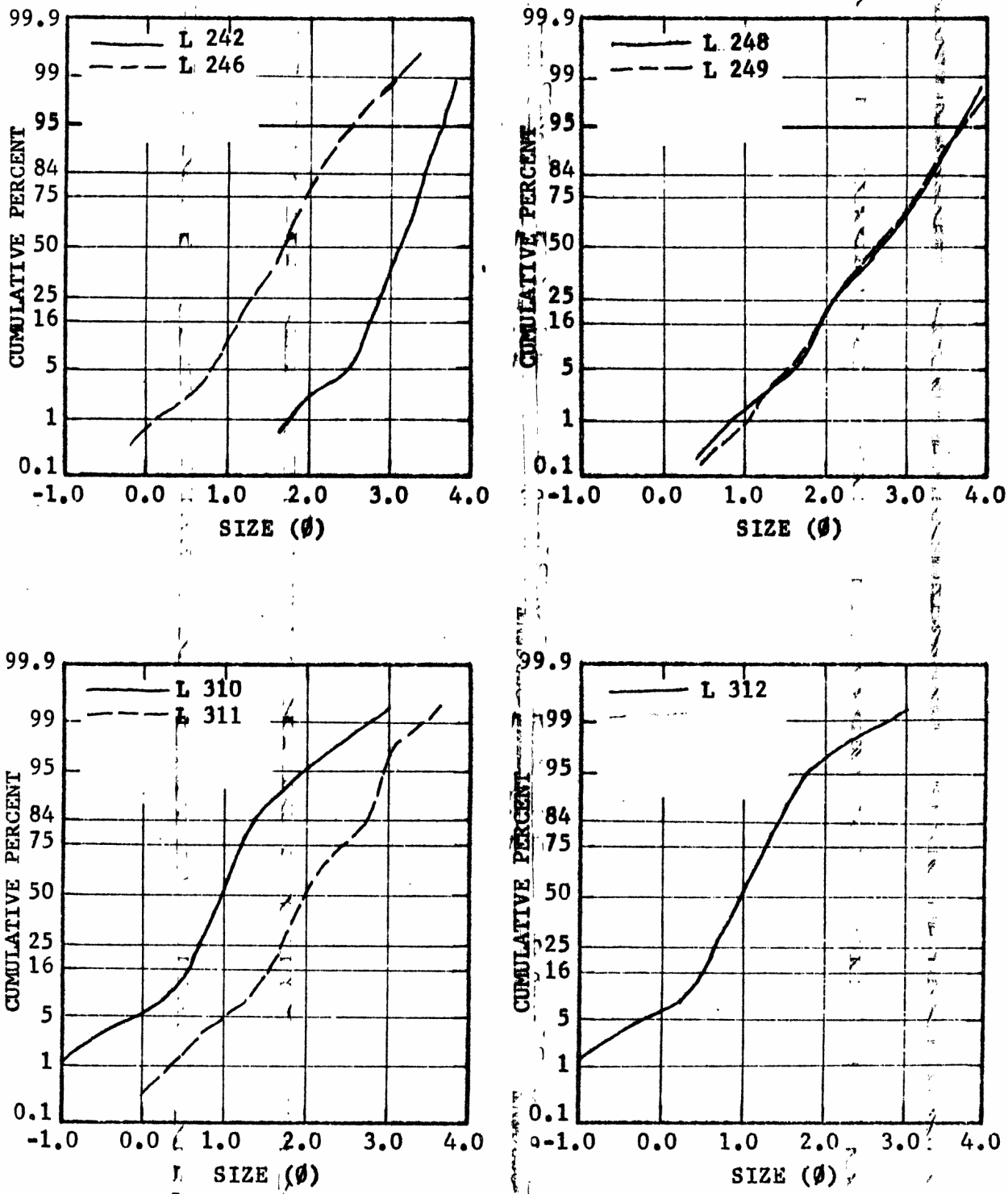


Fig. 42D . Grain size distribution curves of bottom samples from area N-12 (see PLATE 2D).

E. SCATTER DIAGRAMS SHOWING THE RELATIONSHIPS BETWEEN LOCATION, DEPTH AND STATISTICAL PARAMETERS OF BOTTOM SEDIMENT SAMPLES

Explanation

The following 102 scatter diagrams illustrate various relationships and correlations between location, depth, mean grain size, sorting and skewness of bottom sediment samples. Areal extent and distribution of mean grain size, sorting and skewness for samples collected during the summers of 1963 and 1964 are shown on Plates 9, 13 and 17 in the text. Areal extent and distribution of similar statistical parameters for samples collected during the summer of 1965 are shown on Plates 22, 27 and 32 in the text. For each scatter diagram the number of samples used (n) and the correlation coefficient (r) are given.

Figures 1E-9E are for samples collected from the inner part of Beach Haven Inlet and the southern part of Little Egg Harbor, while Figures 10E-18E are for samples from the inner part of Little Egg Inlet and the eastern half of Great Bay.

Figures 19E-24E are for samples collected from Beach Haven-Little Egg Inlets during the summer of 1964, and Figures 25E-30E are for those collected from the same region during the summer of 1965.

Figures 31E-36E are for samples collected in the Atlantic nearshore region between south Beach Haven and Little Beach during the summer of 1964 (Plate 8) and Figures 37E-42E are for samples collected in the Atlantic nearshore region between south Beach Haven and Brigantine Shoal (Plate 21) during the summer of 1965.

Figures 43E-72E illustrate the variations and relationships between the various statistical parameters of bottom sediments within certain depth zones in the Atlantic nearshore region between south Beach Haven and Brigantine Shoal. The samples are grouped into five 6-foot depth zones extending from MLW

to -30 feet. These samples were collected during the summer of 1965.

Figures 73E-102E show the relationships and correlations of samples used for trend surface analyses. Samples collected during 1965 within trend surface areas 1, 2, 3 and 4 (Plate 24) are shown in Figures 73E-96E. Samples collected during the summer of 1964 within trend surface area 2 (Plate 10) are shown in Figures 97E-102E.

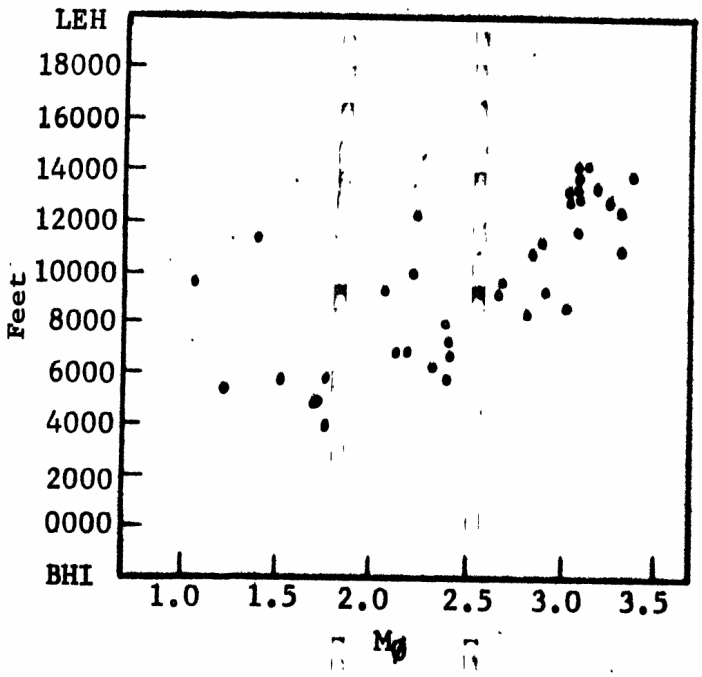


Fig. 1E . Variation of grain size (Mø) from Beach Haven Inlet (BHI) to lower Little Egg Harbor (LEH). 1963-1964 bottom samples.

n = 38

r = .56

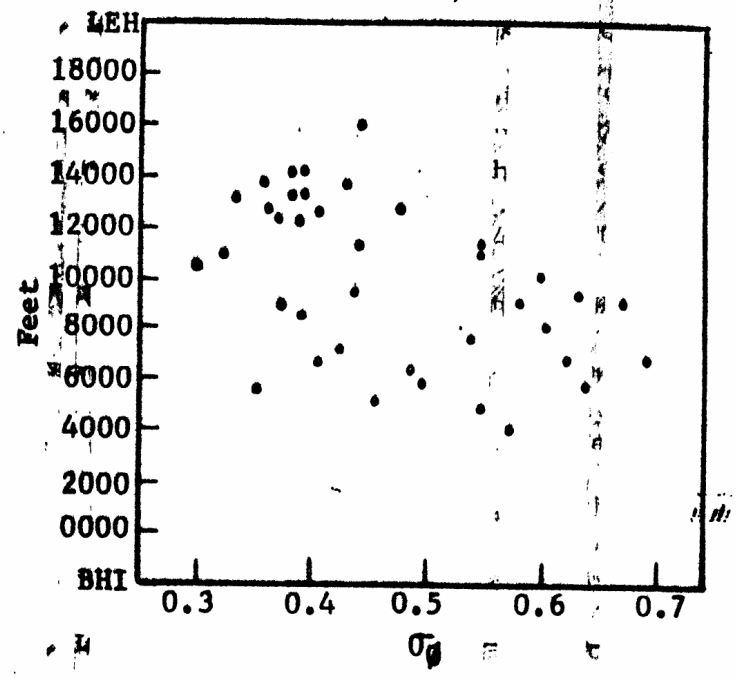


Fig. 2E .. Variation of sorting (σ_ϕ) from Beach Haven Inlet (BHI) to lower Little Egg Harbor (LEH). 1963-1964 bottom samples.

n = 38

r = -.38

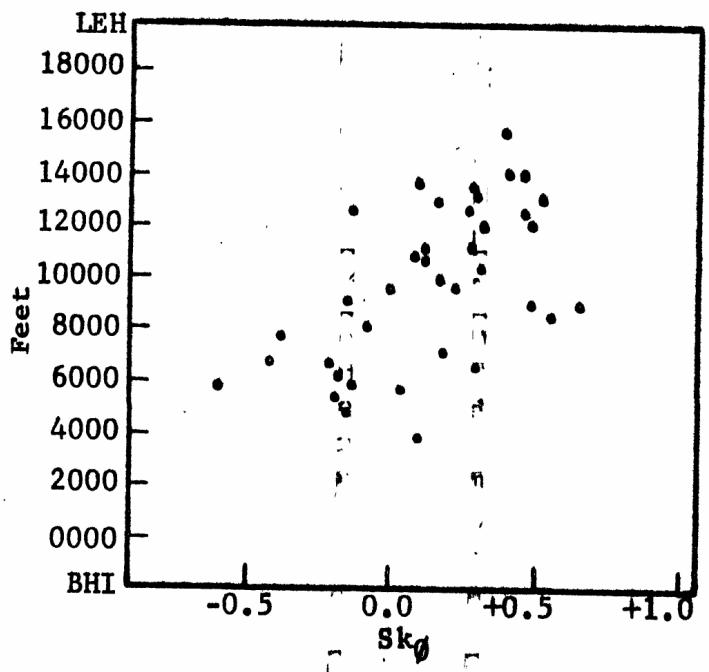


Fig. 3E . Variation of skewness (Sk_ϕ) from Beach Haven Inlet (BHI) to lower Little Egg Inlet (LEH). 1963-1964 bottom samples.

n = 38

r = .46

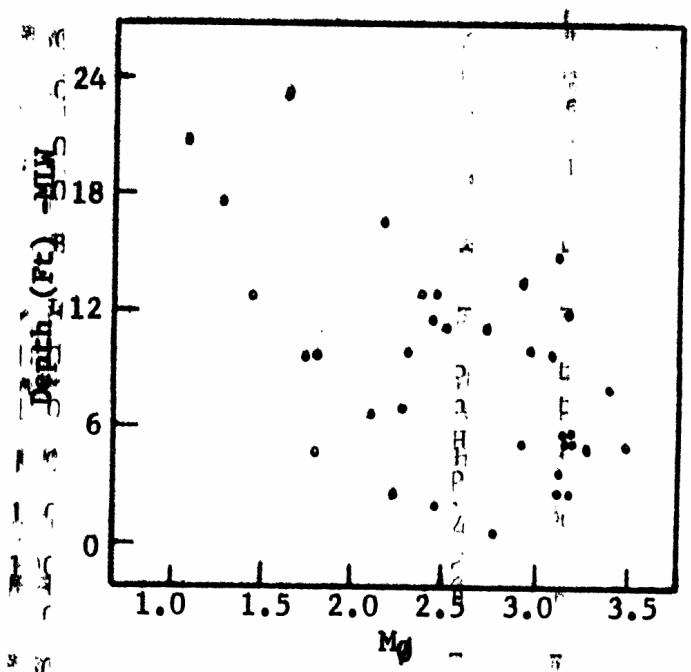


Fig. 4E . Relationship of grain size (M_ϕ) to depth of water - Beach Haven Inlet to lower Little Egg Harbor. 1963-1964 bottom samples.

n = 38

r = -.53

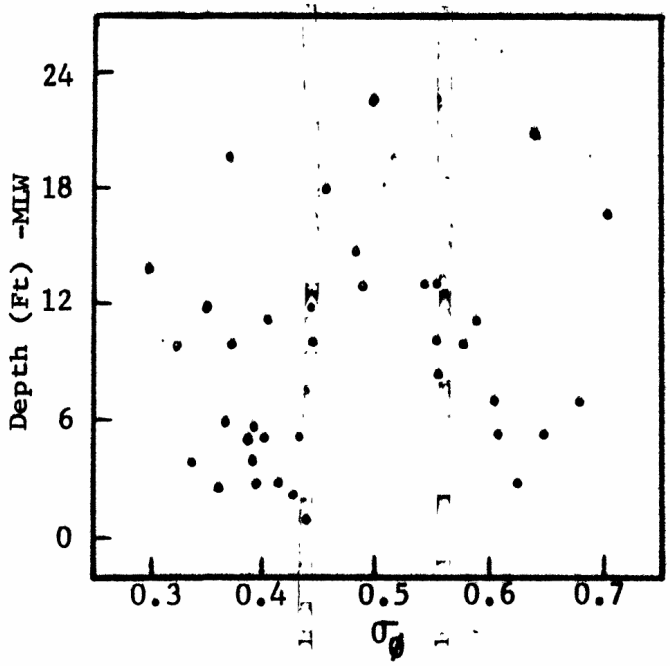


Fig. 5E . Relationship of sorting (σ_ϕ) to depth of water - Beach Haven Inlet to lower Little Egg Harbor. 1963-1964 bottom samples.

n = 38

r = .20

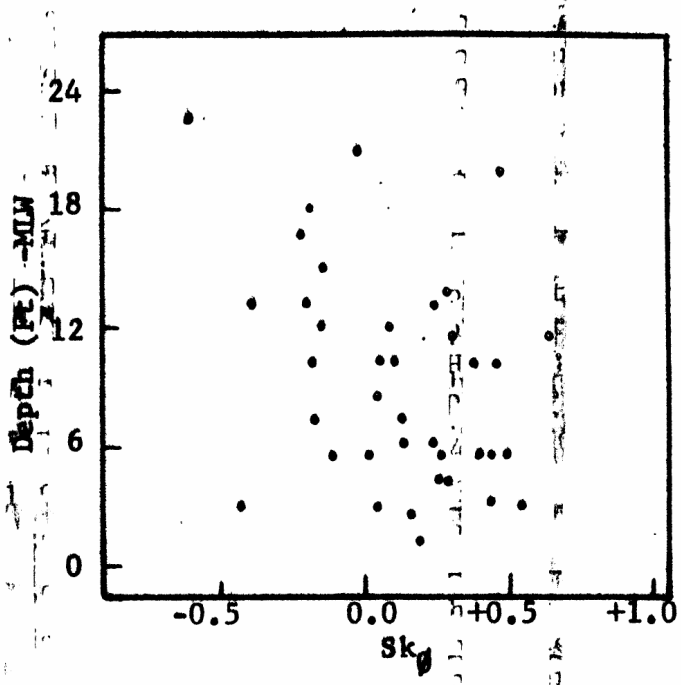


Fig. 6E . Relationship of skewness (Sk_ϕ) to depth of water - Beach Haven Inlet to lower Little Egg Harbor. 1963-1964 bottom samples.

n = 38

r = -.38

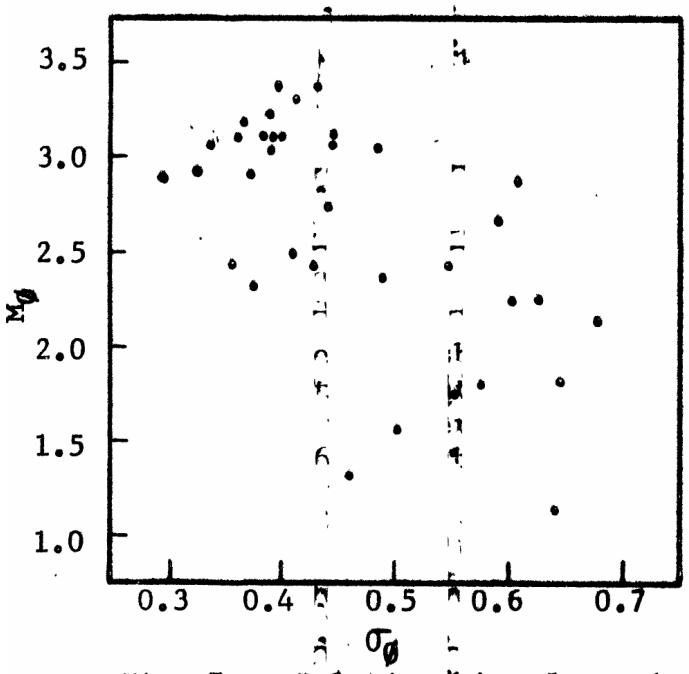


Fig. 7E . Relationship of sorting (σ_ϕ) to grain size (M_ϕ). Beach Haven Inlet to lower Little Egg Harbor 1963-1964 bottom samples.

n = 38

r = -.58

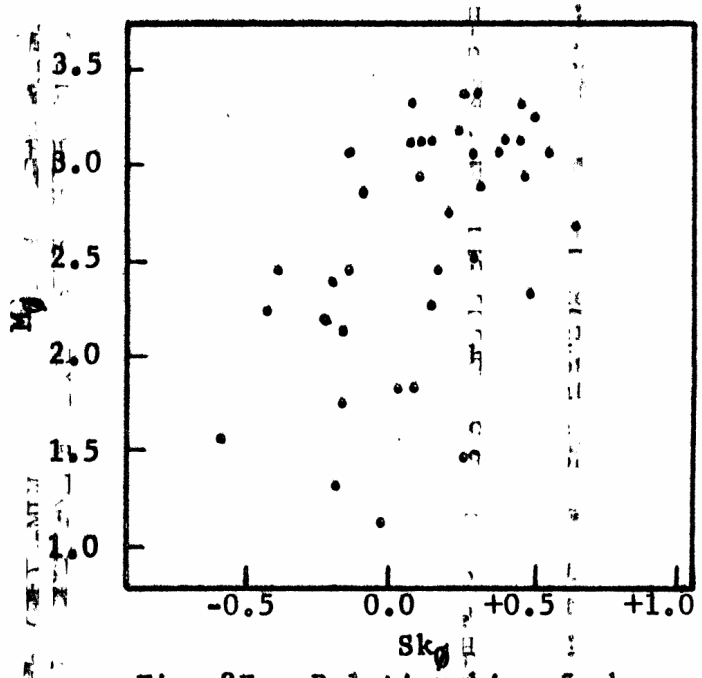


Fig. 8E . Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). Beach Haven Inlet to lower Little Egg Harbor 1963-1964 bottom samples.

n = 38

r = .53

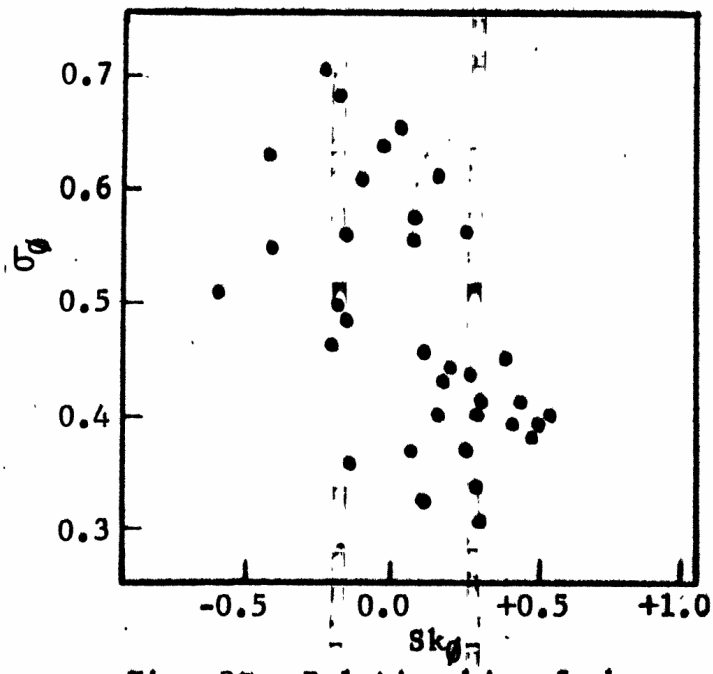


Fig. 9E . Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). Beach Haven Inlet to lower Little Egg Harbor 1963-1964 bottom samples.

n = 38

r = -.49

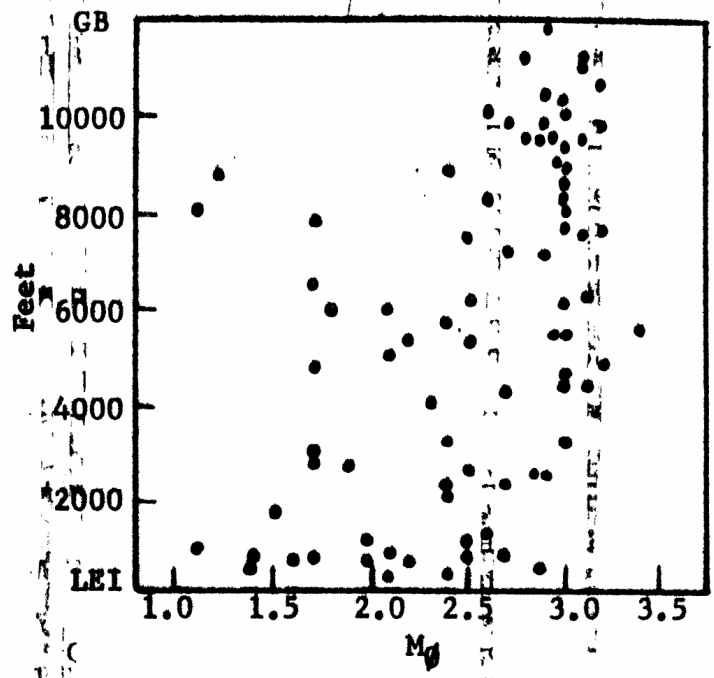


Fig.10E . Variation of grain size (M_ϕ) from Little Egg Inlet (LEI) to east Great Bay (GB). 1963-1964 bottom samples.

n = 81

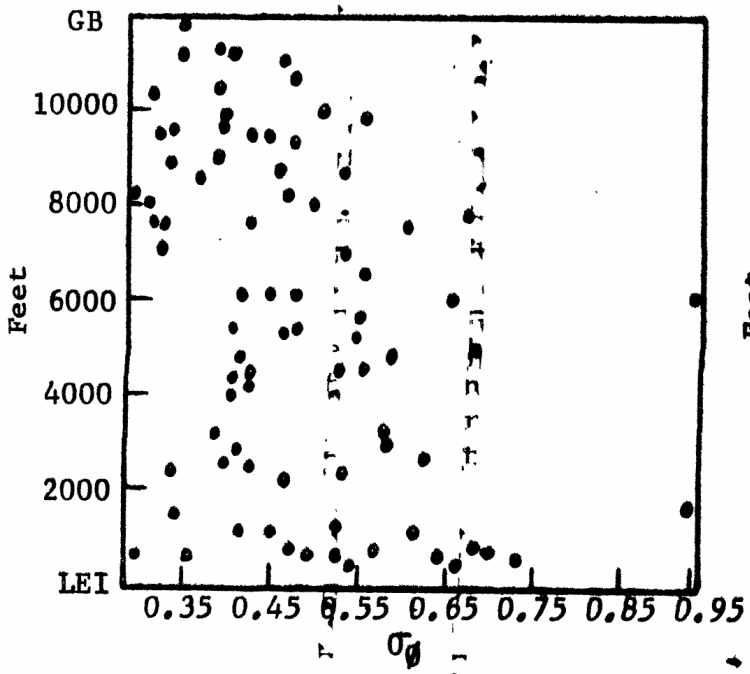


Fig.11E . Variation of sorting (σ_ϕ) from Little Egg Inlet to east Great Bay (GB). 1963-1964 bottom samples.

n = 81

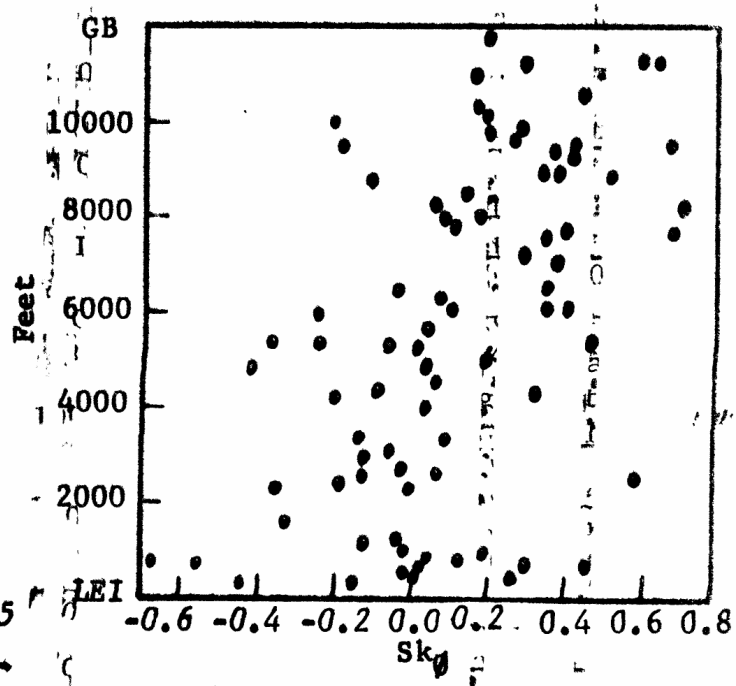


Fig.12E . Variation of skewness (Sk_ϕ) from Little Egg Inlet (LEI) to east Great Bay (GB). 1963-1964 bottom samples.

n = 81

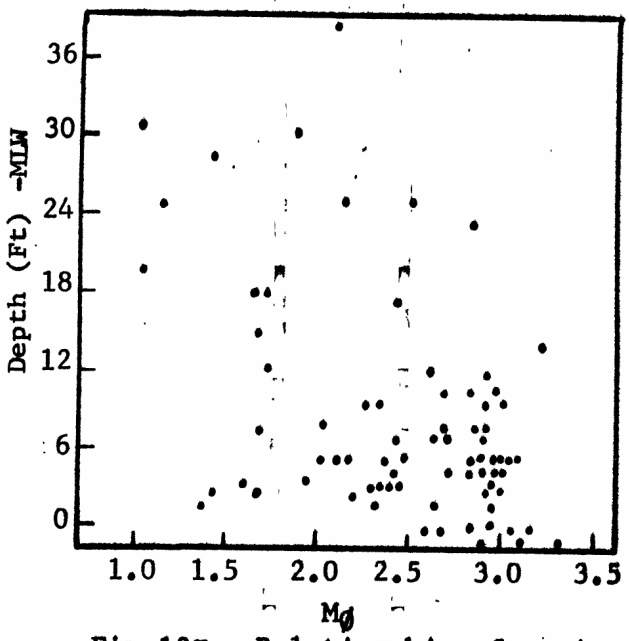


Fig.13E . Relationship of grain size (M_ϕ) to depth of water - Little Egg Inlet to east Great Bay. 1963-1964 bottom samples.

n = 81

r = -.46

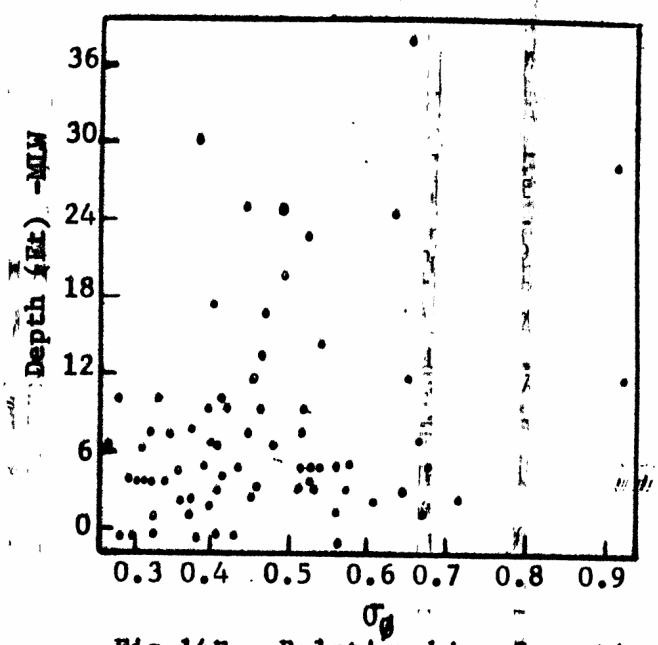


Fig.14E . Relationship of sorting (σ_ϕ) to depth of water - Little Egg Inlet to east Great Bay. 1963-1964 bottom samples.

n = 81

r = .29

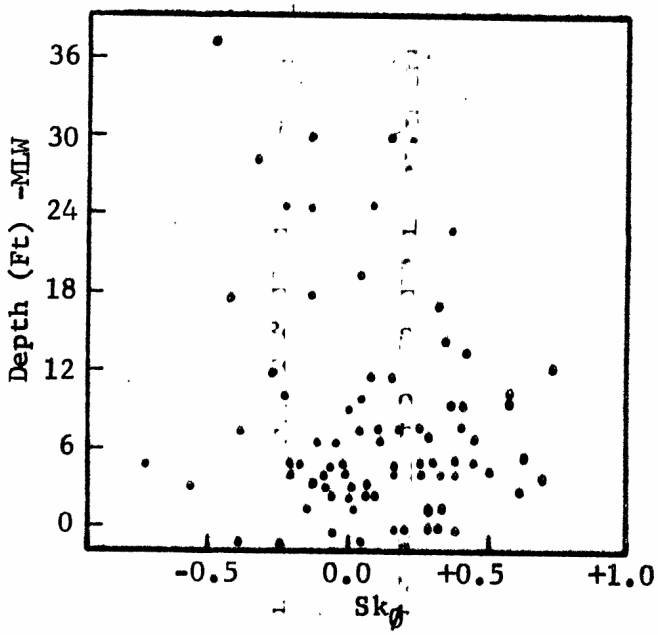


Fig.15E . Relationship of skewness (Sk_ϕ) to depth of water - Little Egg Inlet to east Great Bay. 1963-1964 bottom samples.

n = 81

r = -.16

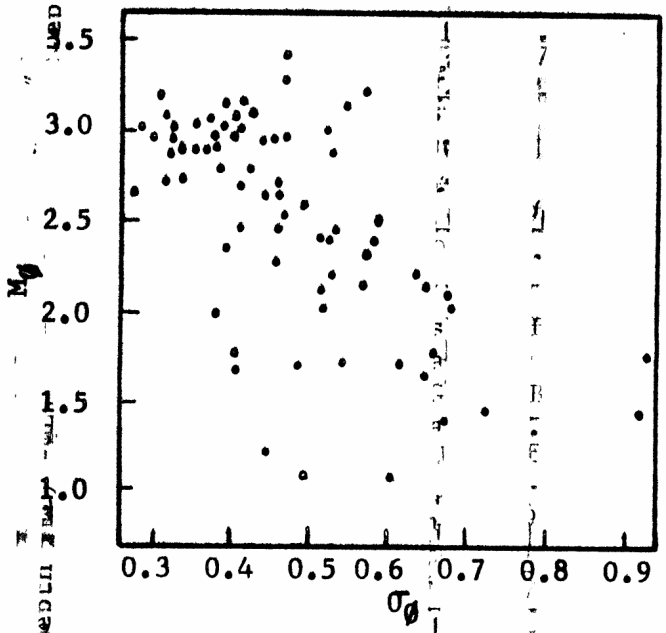


Fig. 16E . Relationship of sorting (σ_ϕ) to grain size (M_ϕ) - Little Egg Inlet to east Great Bay. 1963-1964 bottom samples.

n = 81

r = -.61

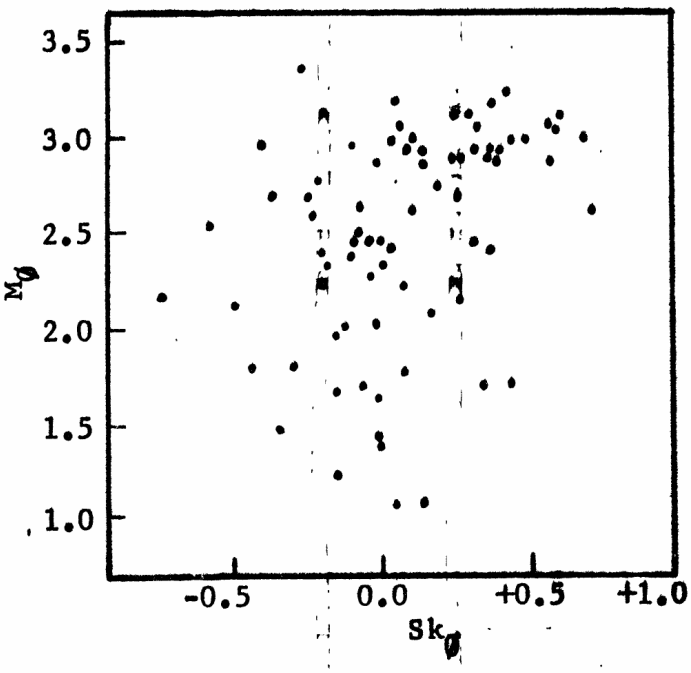


Fig. 17E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ) - Little Egg Inlet to east Great Bay. 1963-1964 bottom samples.

n = 81

r = .38

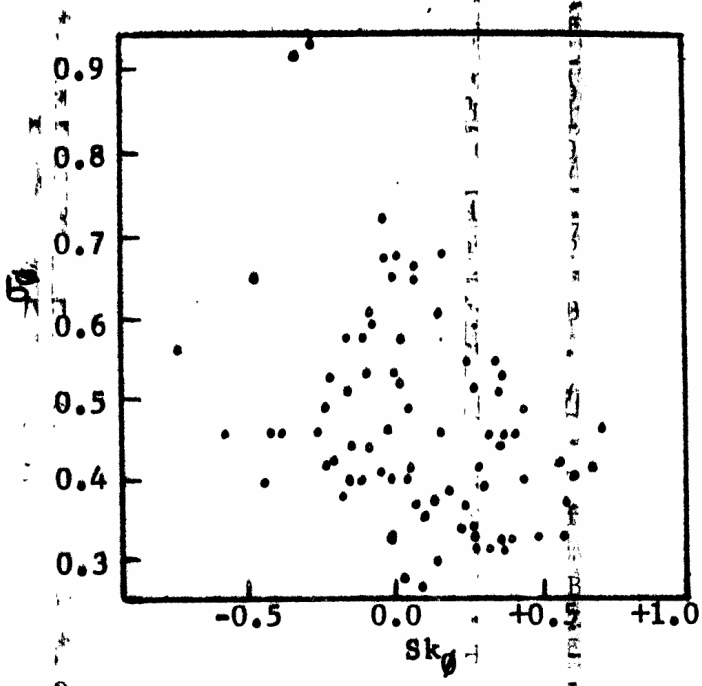


Fig. 18E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ) - Little Egg Inlet to east Great Bay. 1963-1964 bottom samples.

n = 81

r = -.38

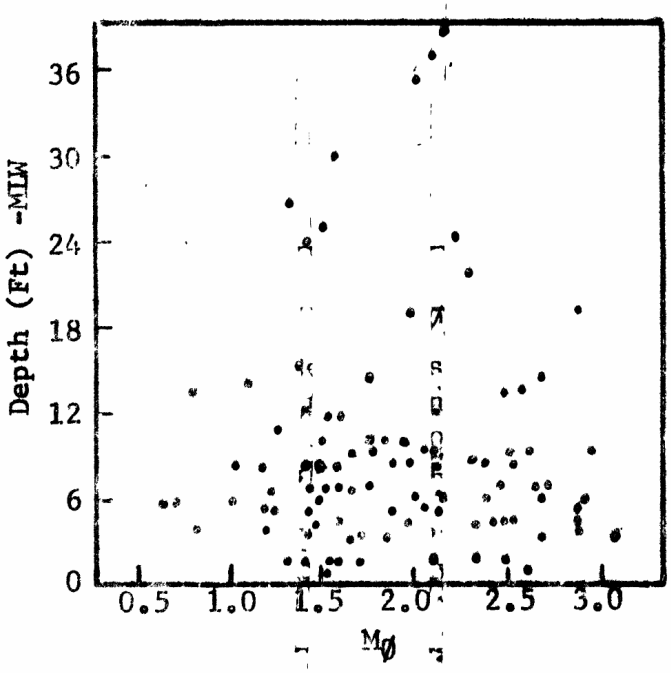


Fig. 19E . Relationship of grain size (M_ϕ) to depth of water - Beach Haven-Little Egg Inlet 1964 bottom samples.

n = 97

r = -.04

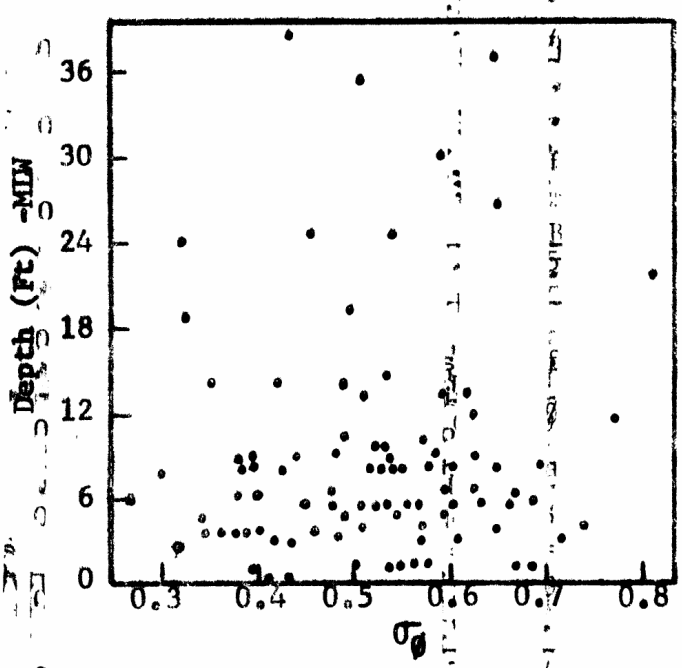


Fig. 20E . Relationship of sorting (σ_ϕ) to depth of water - Beach Haven-Little Egg Inlet 1964 bottom samples.

n = 97

r = .03

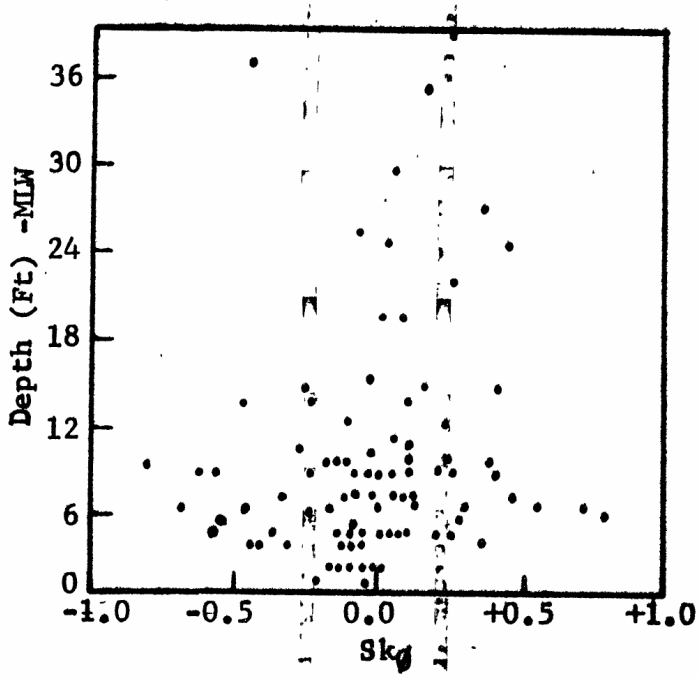


Fig. 21E. Relationship of skewness (Sk_ϕ) to depth of water - Beach Haven-Little Egg Inlet 1964 bottom samples.

n = 97

r = .18

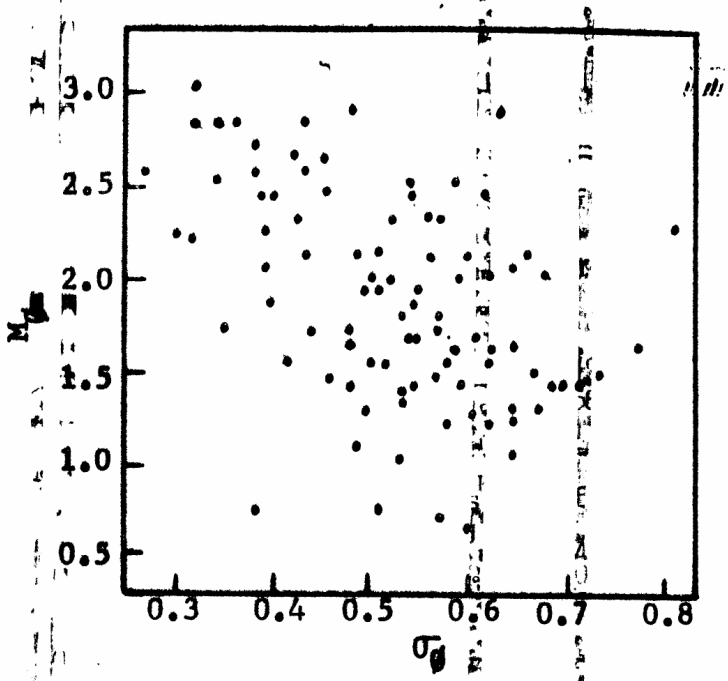


Fig. 22E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ) - Beach Haven-Little Egg Inlet 1964 bottom samples.

n = 97

r = -.44

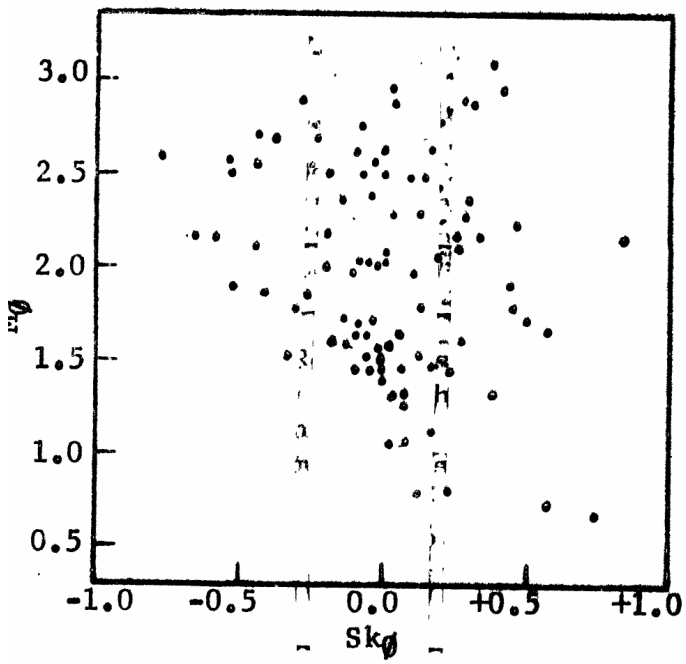


Fig. 23E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ) - Beach Haven-Little Egg Inlet 1964 bottom samples.

n = 97

r = -.23

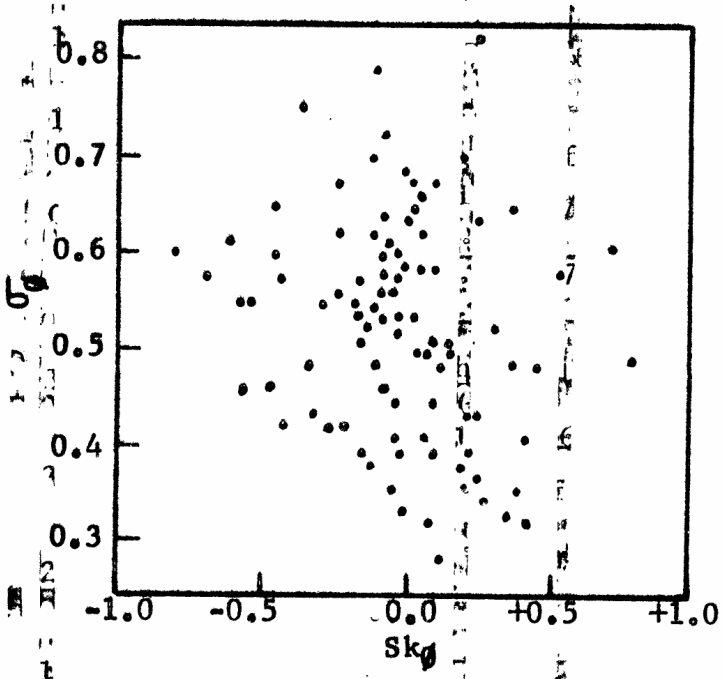


Fig. 24E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ) - Beach Haven-Little Egg Inlet 1964 bottom samples.

n = 97

r = -.18

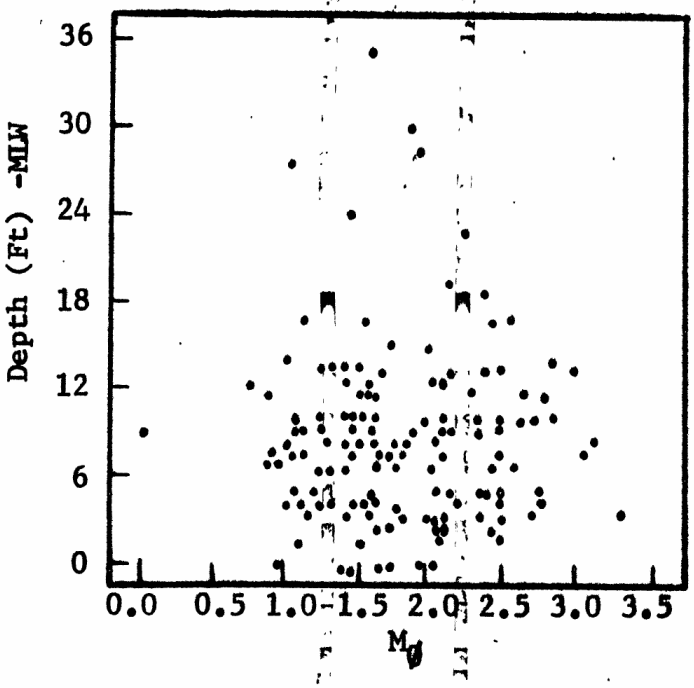


Fig. 25E. Relationship of grain size (M_ϕ) to depth of water - Beach Haven-Little Egg Inlet 1965 bottom samples.

n = 158

r = -.02

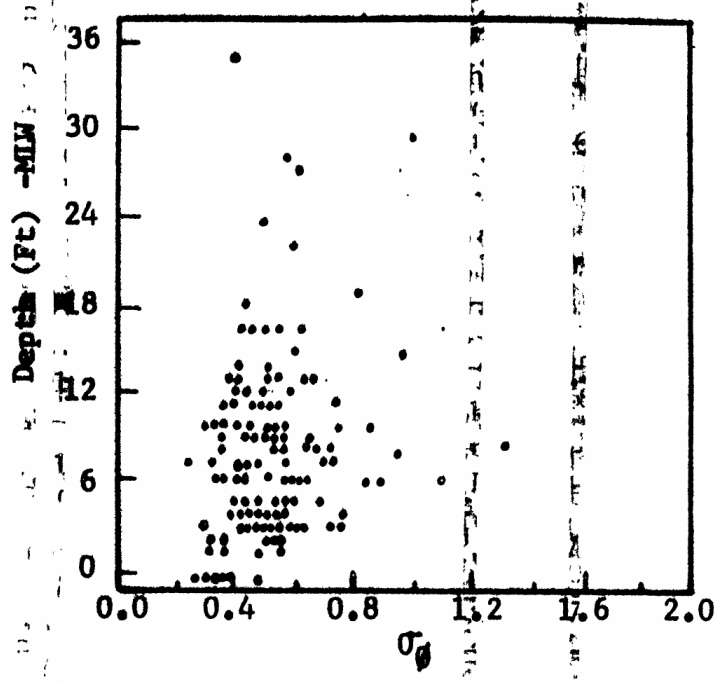


Fig. 26E. Relationship of sorting (σ_ϕ) to depth of water - Beach Haven-Little Egg Inlet 1965 bottom samples.

n = 158

r = .19

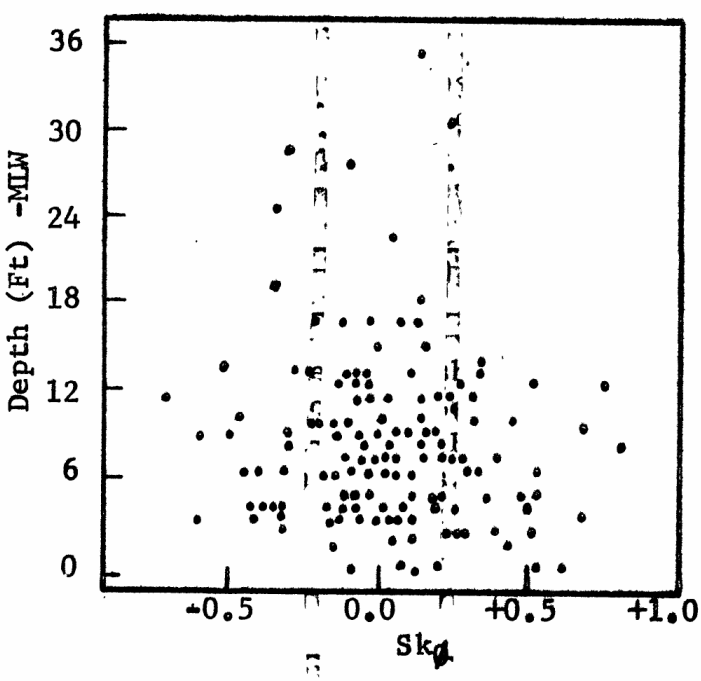


Fig.27E. Relationship of skewness (Sk_ϕ) to depth of water - Beach Haven-Little Egg Inlet 1965 bottom samples.

n = 158

r = -.14

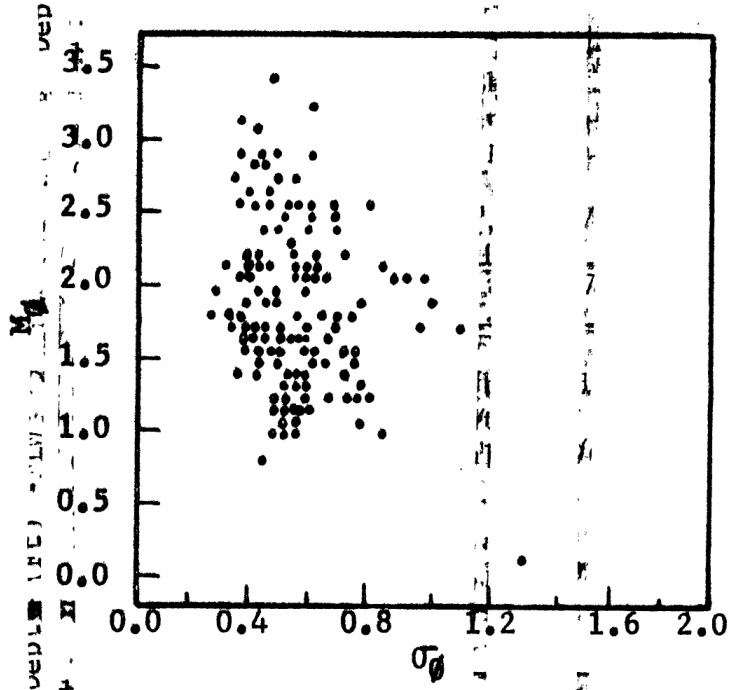


Fig. 28E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ) - Beach Haven-Little Egg Inlet 1965 bottom samples.

n = 158

r = -.30

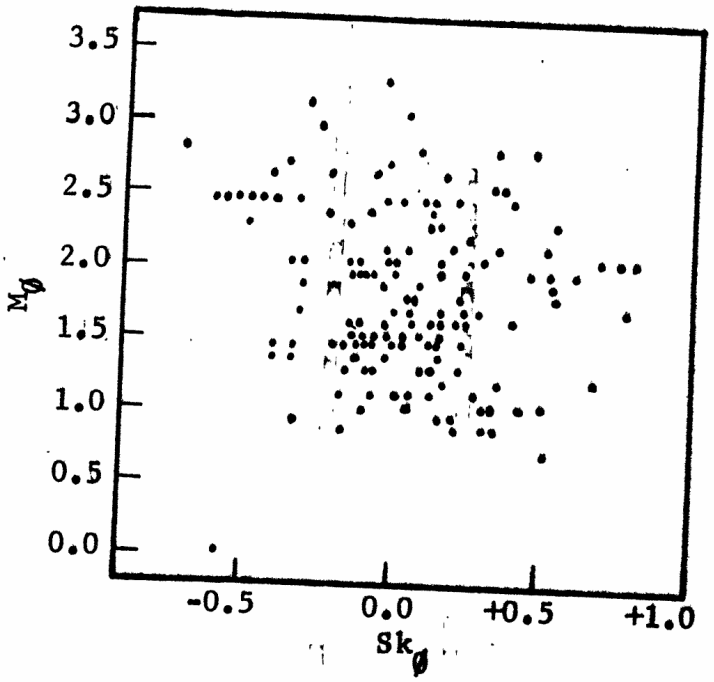


Fig. 29E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ) - Beach Haven-Little Egg Inlet 1965 bottom samples.

n = 158

r = -.19

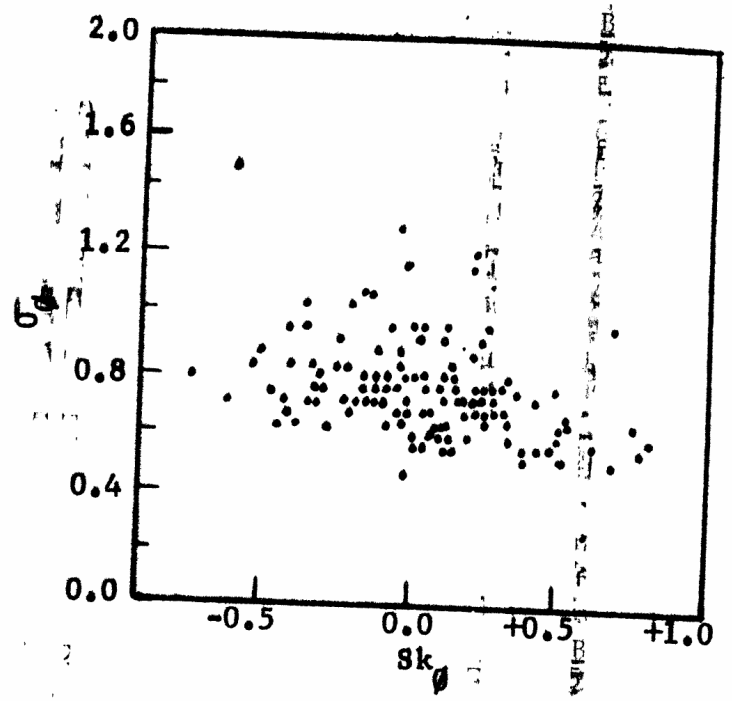


Fig. 30E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ) - Beach Haven-Little Egg Inlet 1965 bottom samples.

n = 158

r = -.34

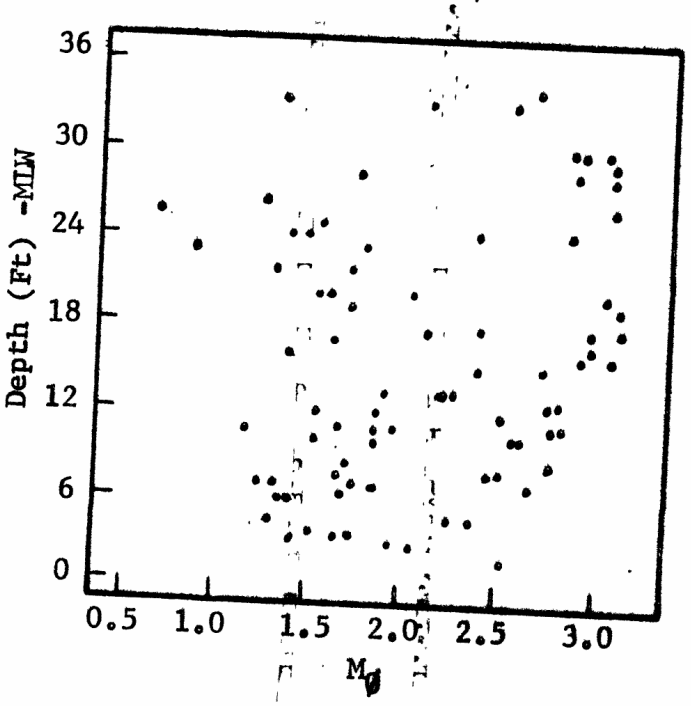


Fig. 31E. Relationship of grain size (M_ϕ) to depth of water - 1964 nearshore Atlantic bottom samples.

n = 83

r = .21

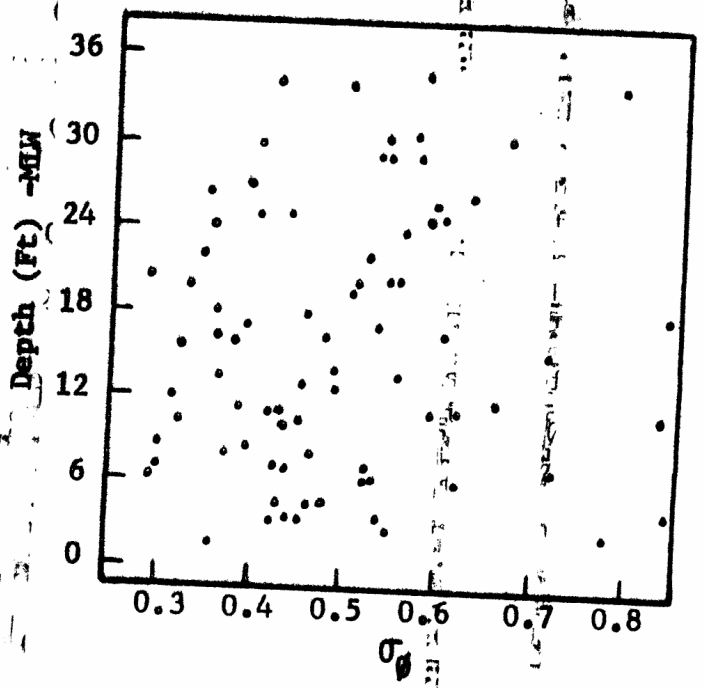


Fig. 32E. Relationship of sorting (σ_ϕ) to depth of water - 1964 nearshore Atlantic bottom samples.

n = 83

r = .11

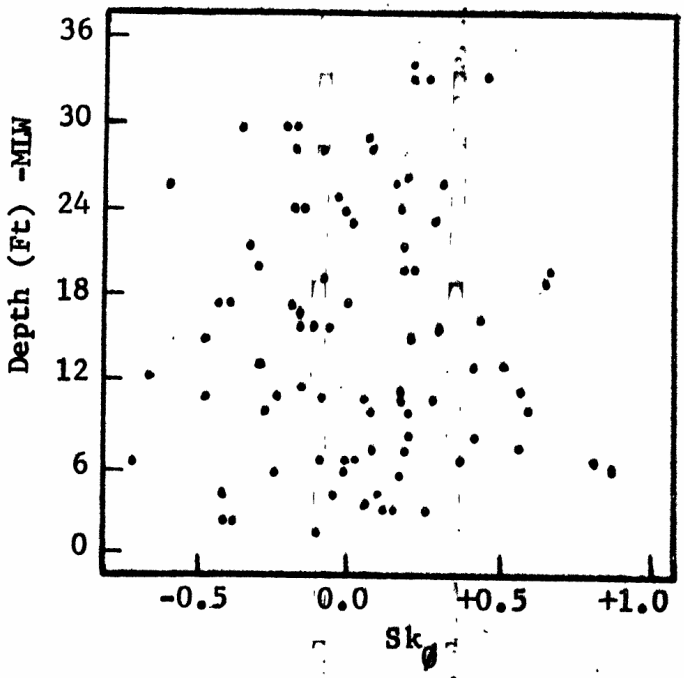


Fig. 33E . Relationship of skewness (Sk_ϕ) to depth of water - 1964 nearshore Atlantic bottom samples.

n = 83

r = -.03

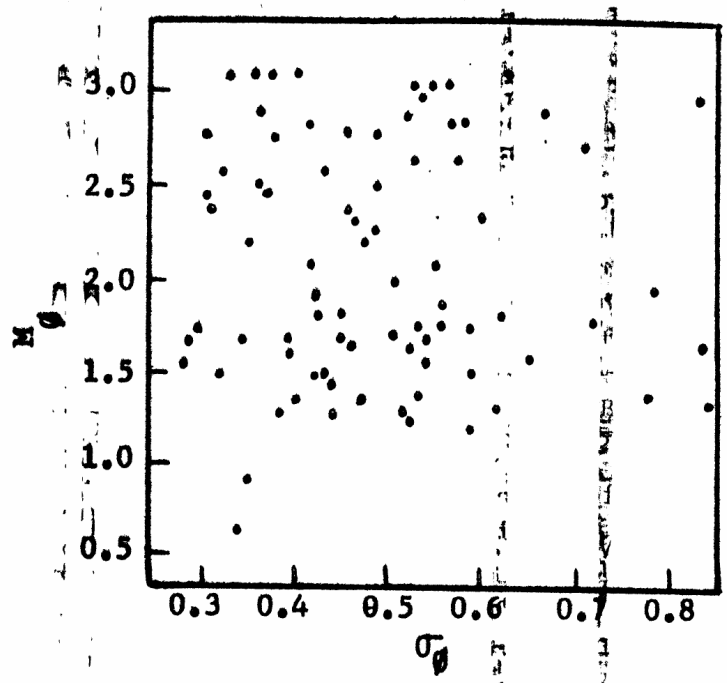


Fig. 34E . Relationship of sorting (σ_ϕ) to grain size (M_ϕ) - 1964 nearshore Atlantic bottom samples.

n = 83

r = -.03

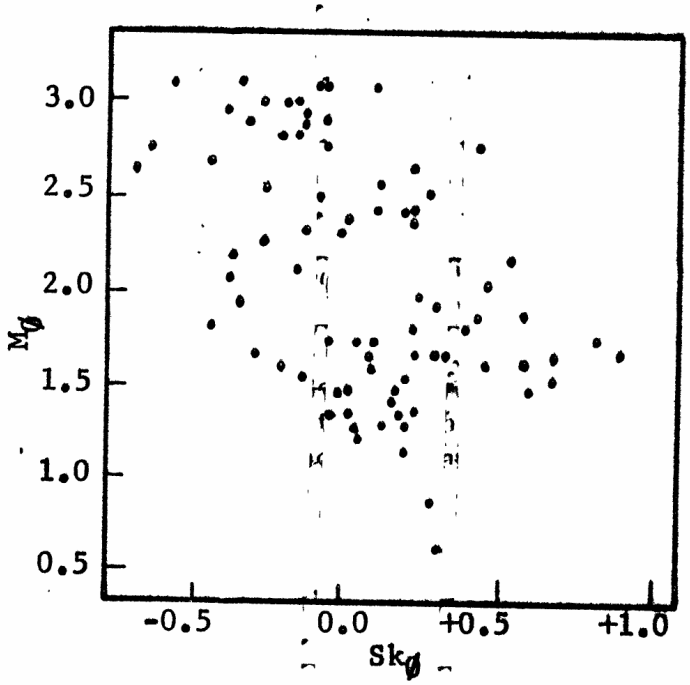


Fig. 35E . Relationship of skewness (Sk_ϕ) to grain size (M_ϕ) - 1964 nearshore Atlantic bottom samples.

n = 83

r = -.49

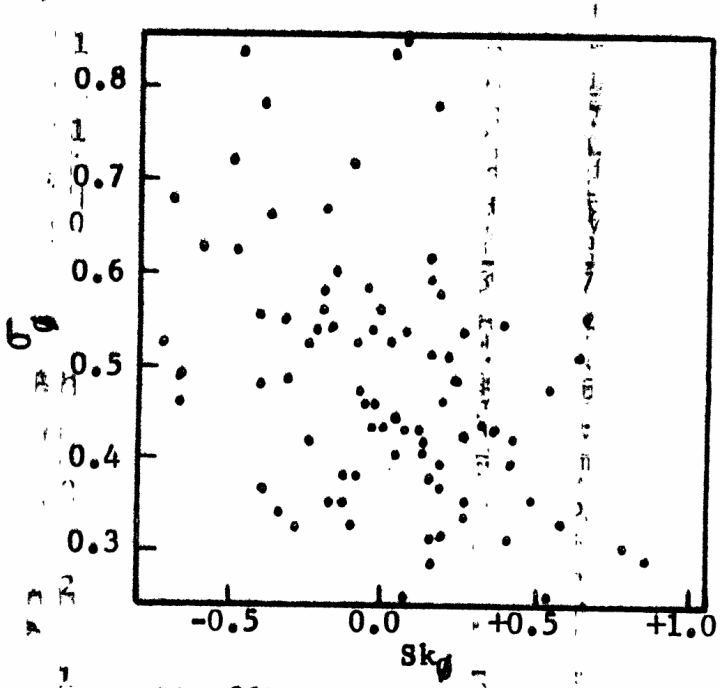


Fig. 36E . Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ) - 1964 nearshore Atlantic bottom samples.

n = 83

r = -.37

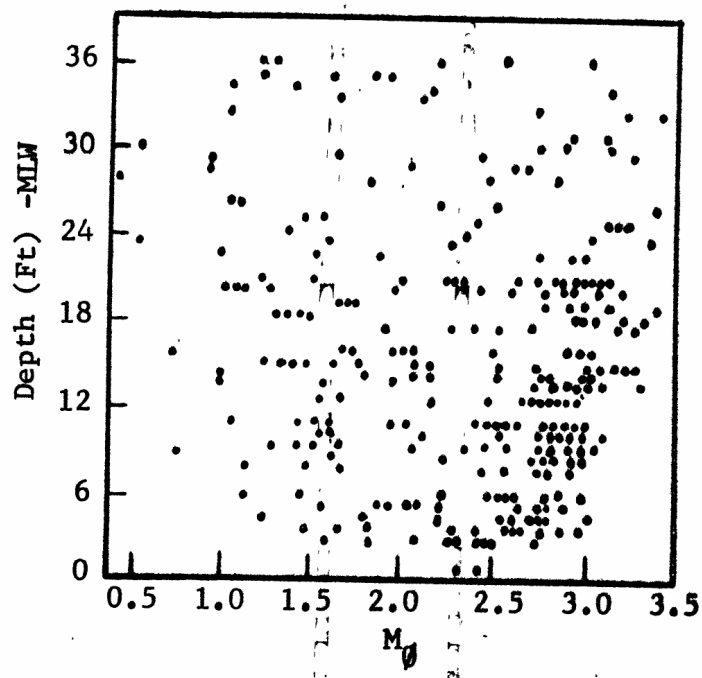


Fig. 37E . Relationship of grain size (M_ϕ) to depth of water - 1965 nearshore Atlantic bottom samples.

n = 339

r = -.09

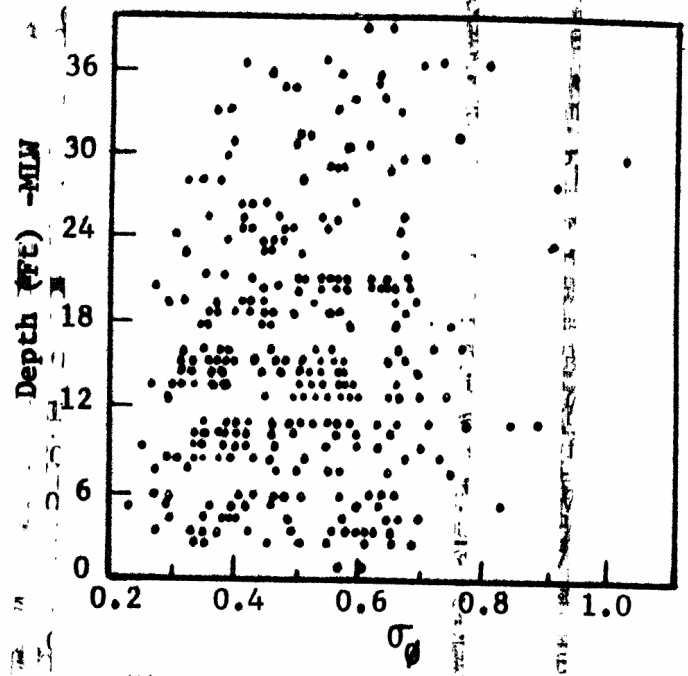


Fig. 38E . Relationship of sorting (σ_ϕ) to depth of water - 1965 nearshore Atlantic bottom samples.

n = 339

r = .14

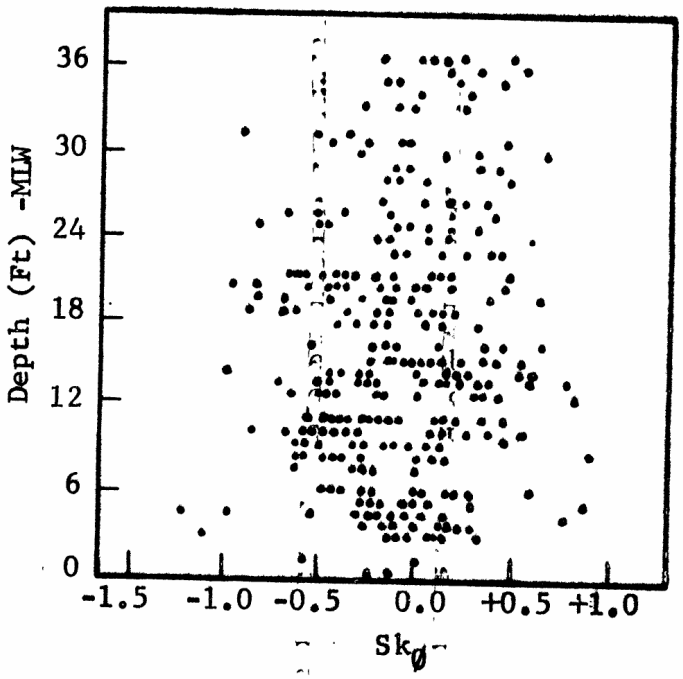


Fig. 39E. Relationship of skewness (Sk_ϕ) to depth of water - 1965 nearshore Atlantic bottom samples.

n = 339

r = .09

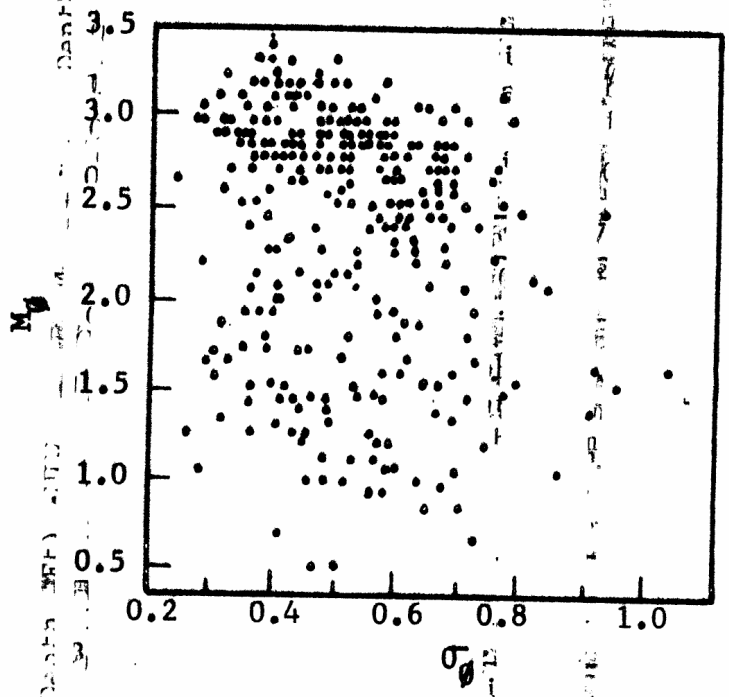


Fig. 40E . Relationship of sorting (σ_ϕ) to grain size (M_ϕ) - 1965 nearshore Atlantic bottom samples.

n = 339

r = -.16

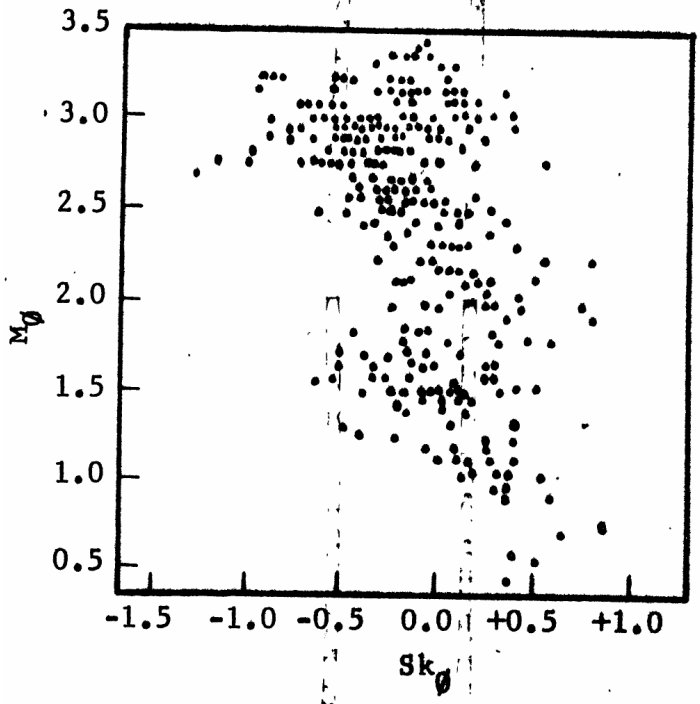


Fig. 41E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ) - 1965 nearshore Atlantic bottom samples.

n = 339

r = -.52

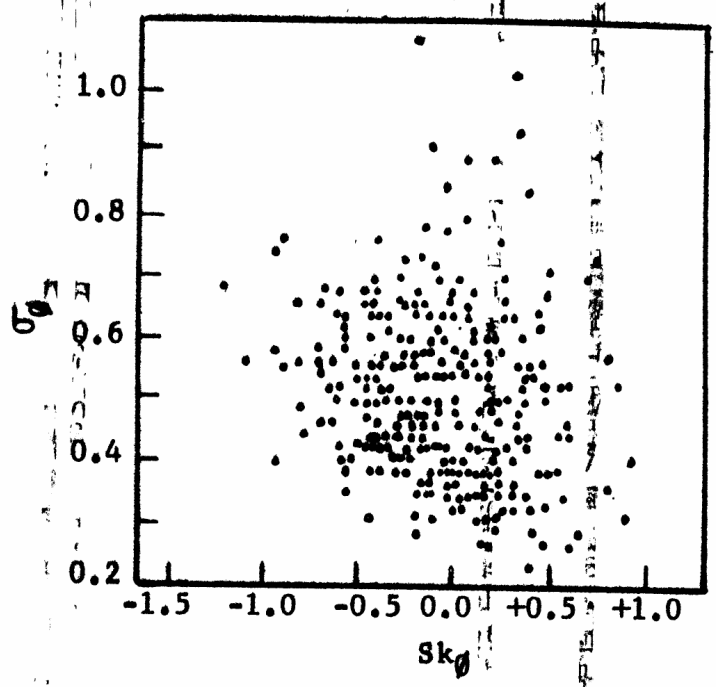


Fig. 42E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ) - 1965 nearshore Atlantic bottom samples.

n = 339

r = -.18

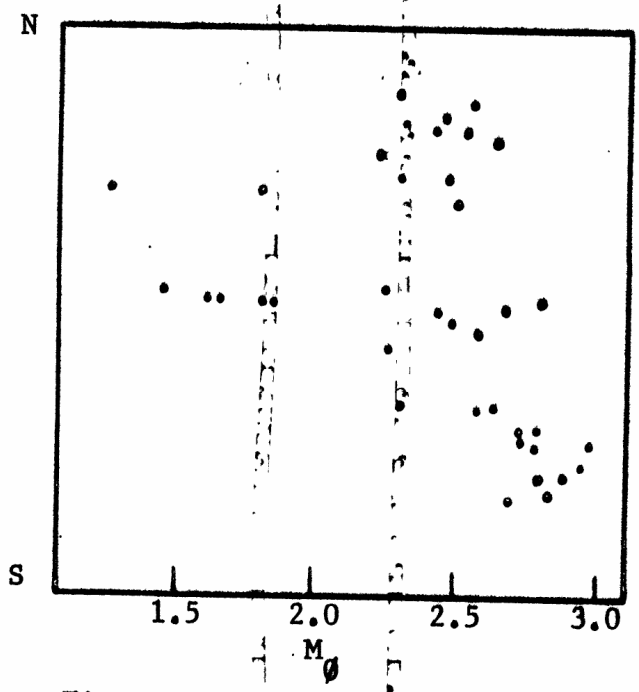


Fig. 43E. N to S variation (south Beach Haven to Brigantine Shoal) of grain size (M_ϕ). 0'-6' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 36

r = -.42

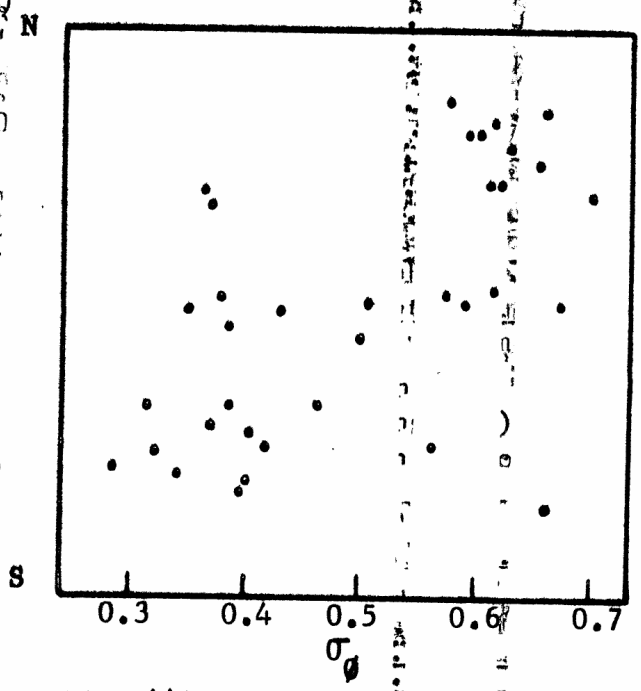


Fig. 44E. N to S variation (south Beach Haven to Brigantine Shoal) of sorting (σ_ϕ). 0'-6' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 36

r = .56

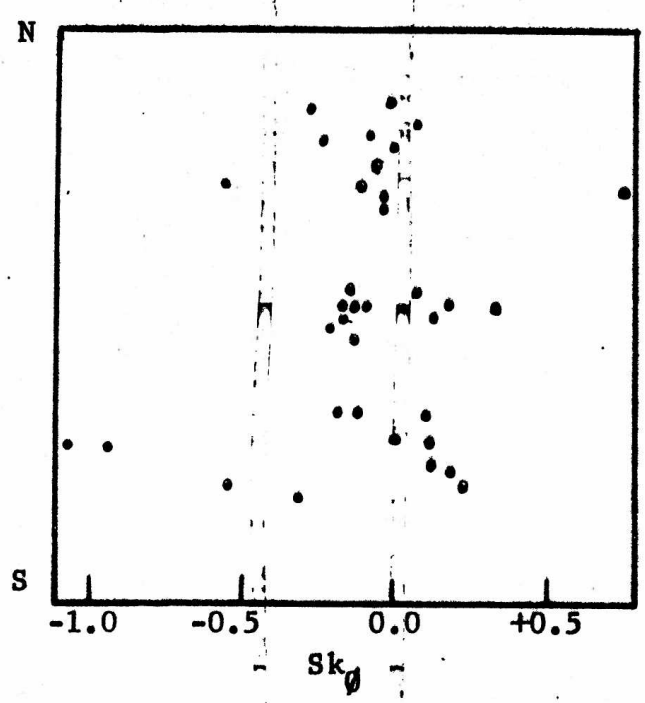


Fig. 45E. N to S variation (south Beach Haven to Brigantine Shoal) of skewness (Sk_ϕ). 0'-6' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 36
r = .26

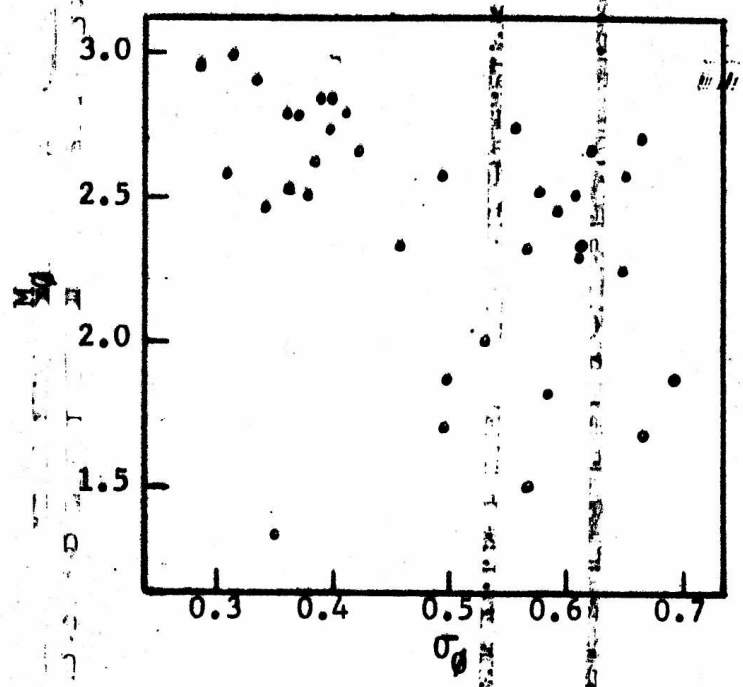


Fig. 46E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). 0'-6' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 36
r = -.40

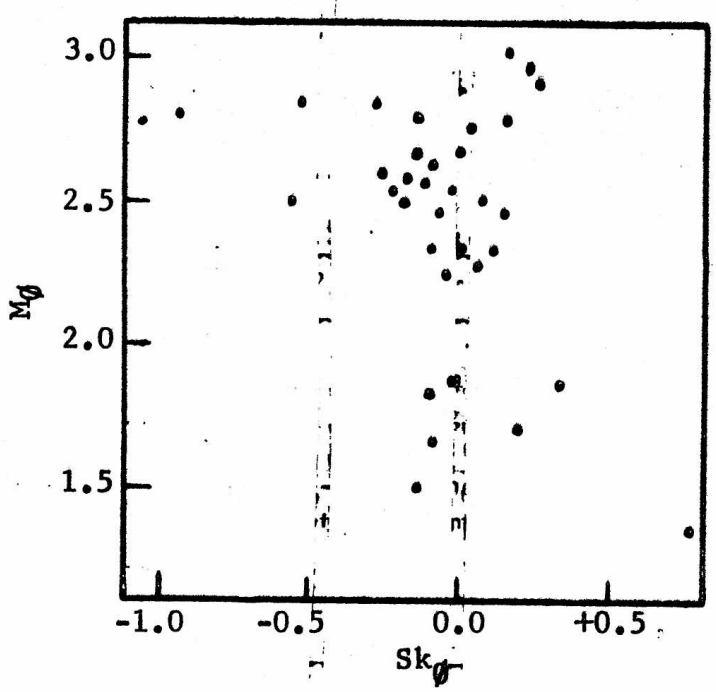


Fig. 47E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). 0'-6' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 36
r = -.39

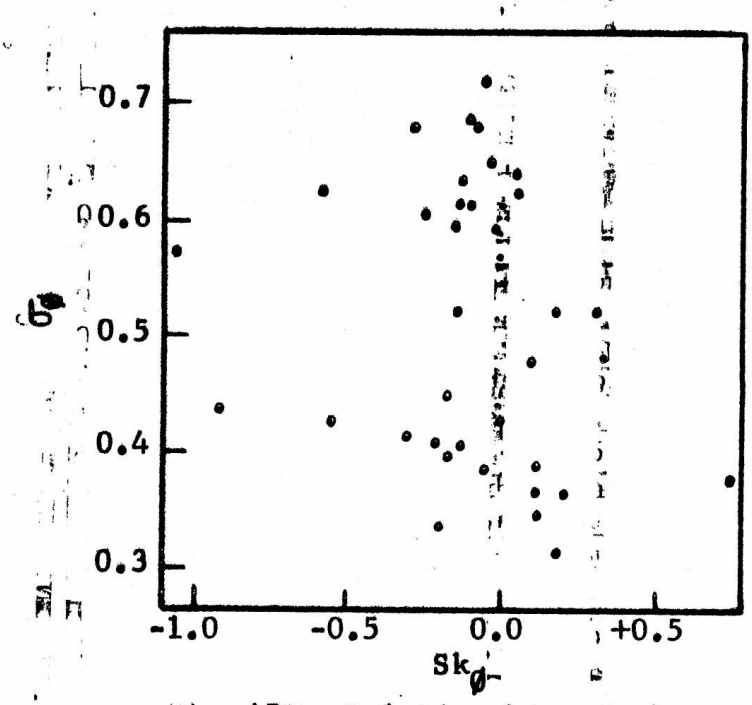


Fig. 48E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). 0'-6' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 36
r = -.28

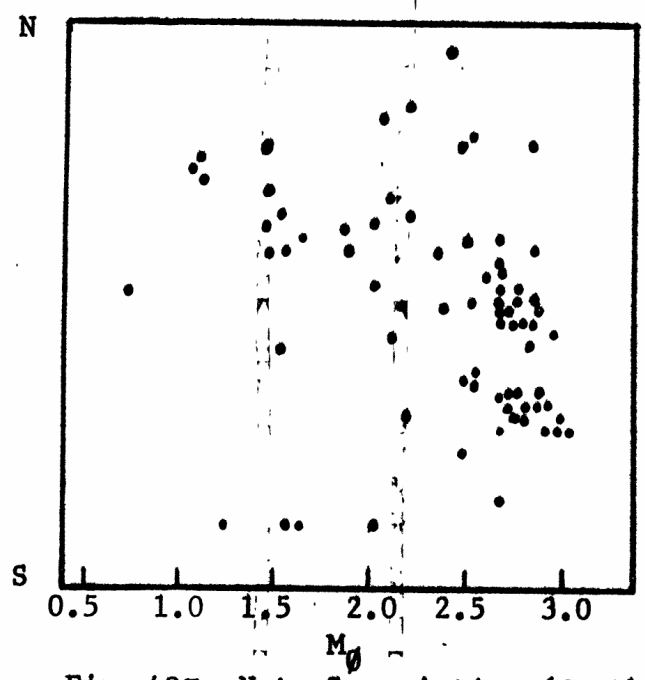


Fig. 49E. N to S variation (south Beach Haven to Brigantine Shoal) of grain size (M_ϕ). -6'-12' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 73

r = -.28

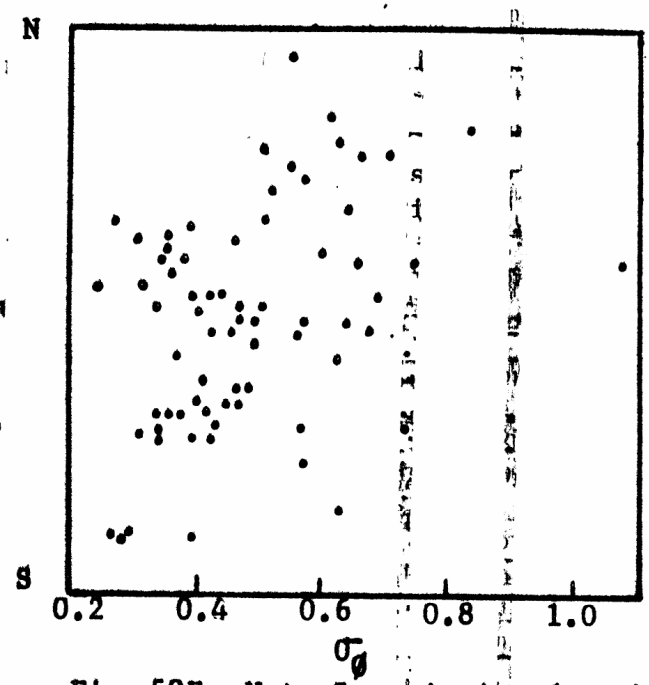


Fig. 50E. N to S variation (south Beach Haven to Brigantine Shoal) of sorting (σ_ϕ). -6'-12' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 73

r = .34

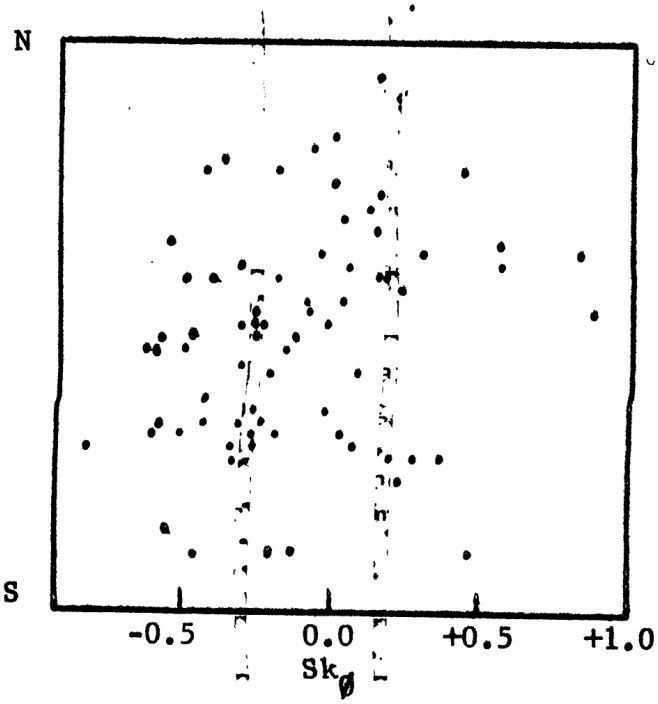


Fig. 51E. N to S variation (south Beach Haven to Brigantine Shoal) of skewness (Sk_ϕ). -6'-12' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 73

r = .22

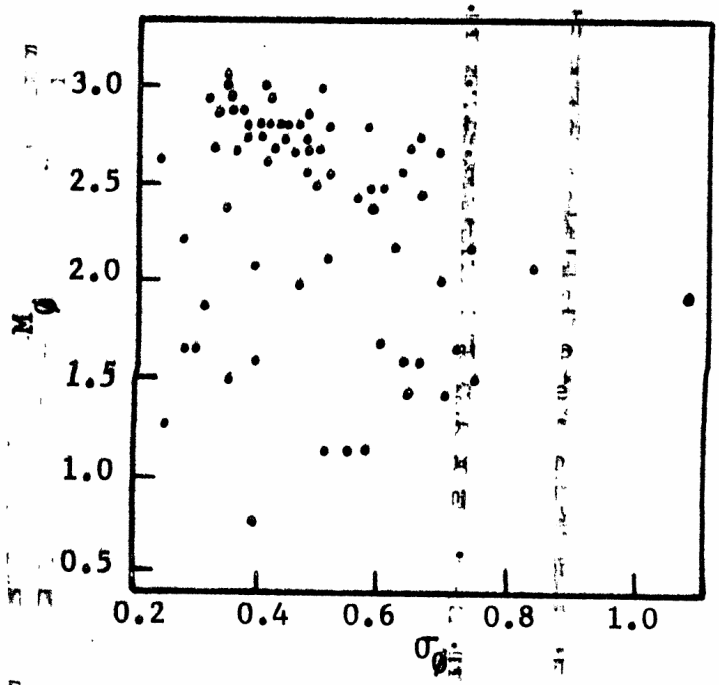


Fig. 52E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). -6'-12' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 73

r = -.25

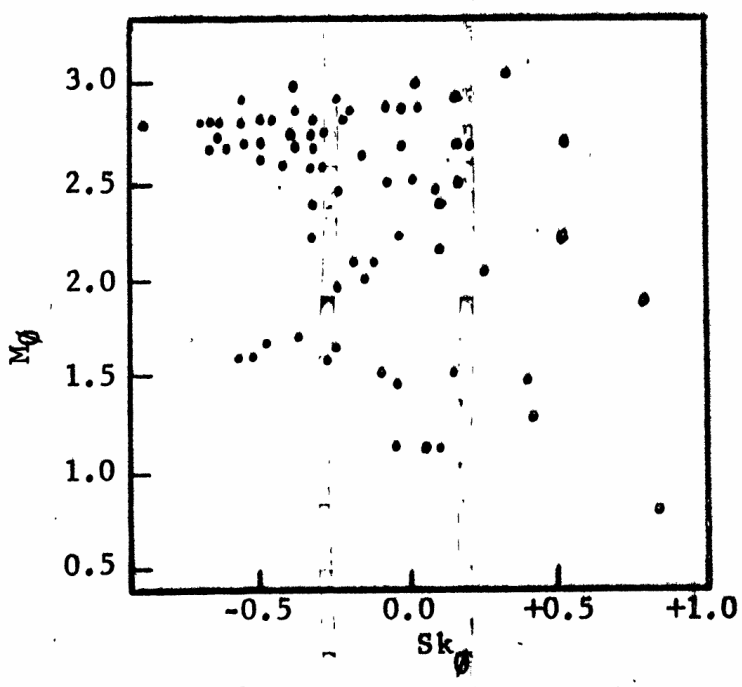


Fig. 53E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). -6'-12' depth (-MLW) zone - 1965 nearshore Atlantic bottom samples.

n = 73

r = -.38

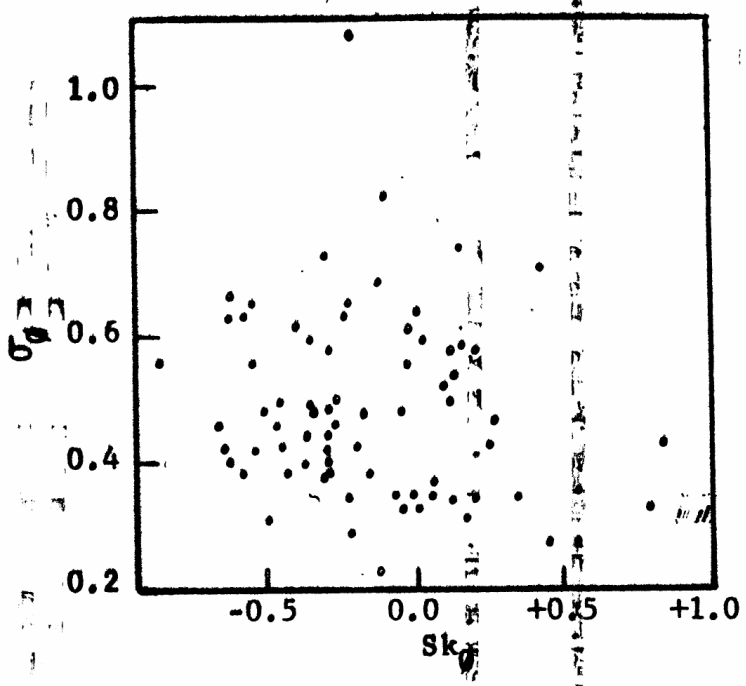


Fig. 54E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). -6'-12' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 73

r = -.22

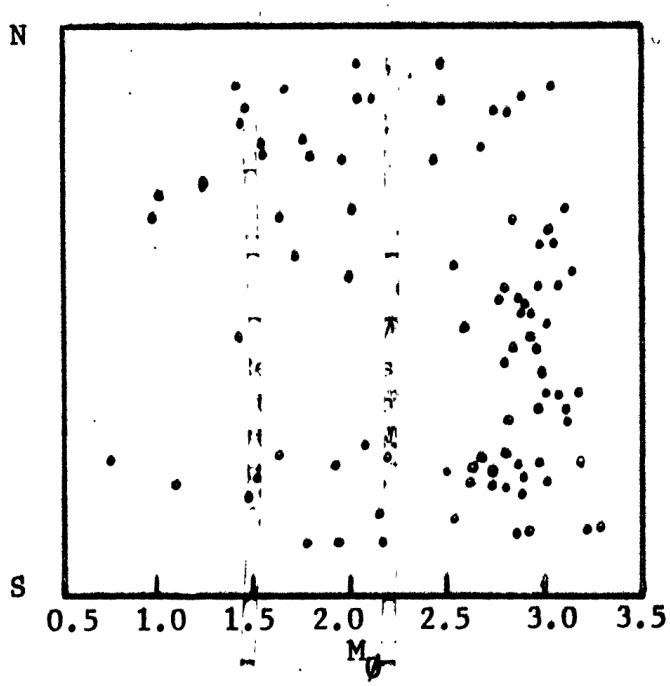


Fig. 55E. N to S (south Beach Haven to Brigantine Shoal) variation of grain size (M_ϕ). -12'-18' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 94

r = -.26

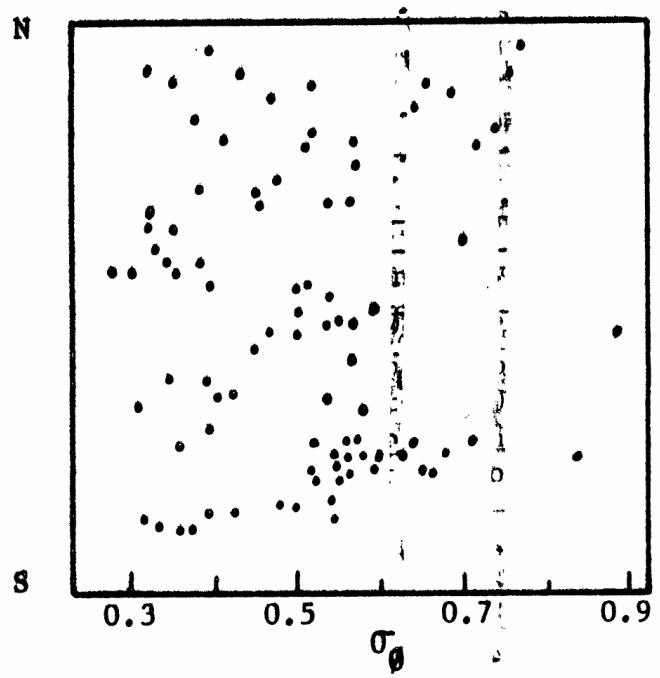


Fig. 56E. N to S (south Beach Haven to Brigantine Shoal) variation of sorting (σ_ϕ). -12'-18' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 94

r = .06

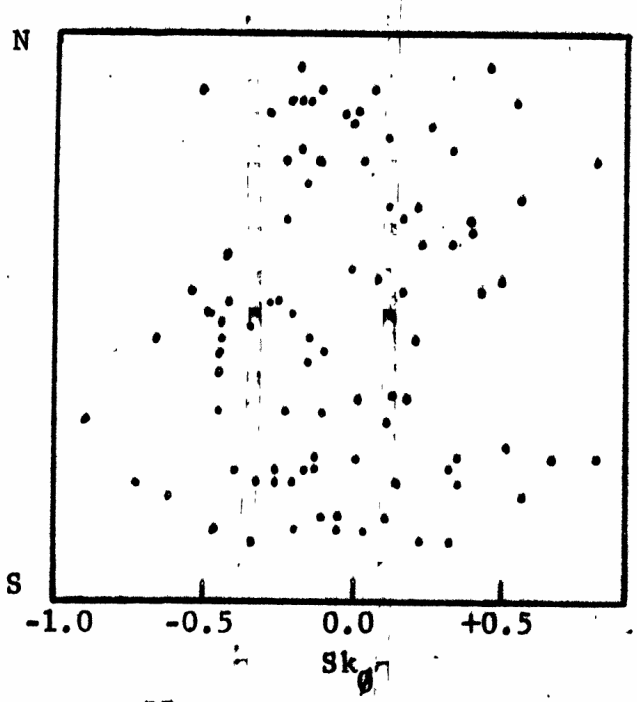


Fig. 57E. N to S (south Beach Haven to Brigantine Shoal) variation of skewness (Sk_ϕ). -12'-18' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 94

r = .13

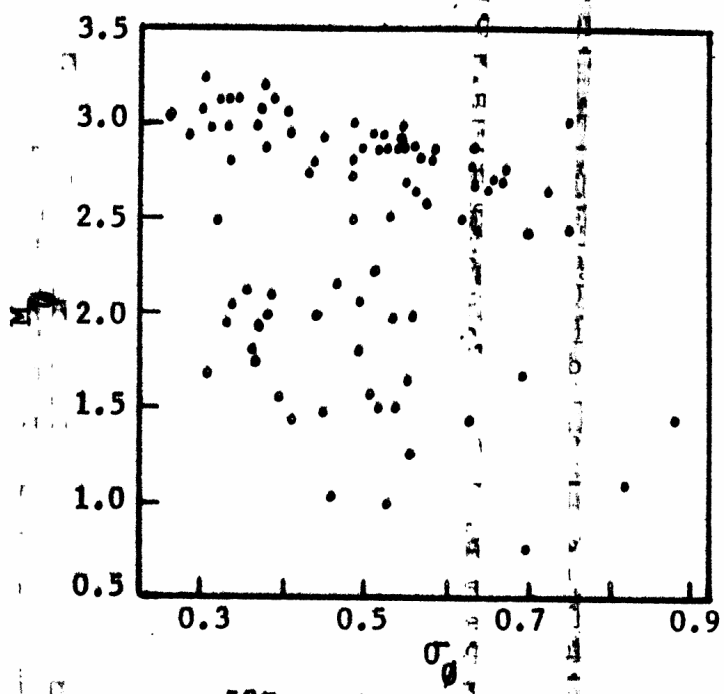


Fig. 58E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). -12'-18' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 94

r = -.25

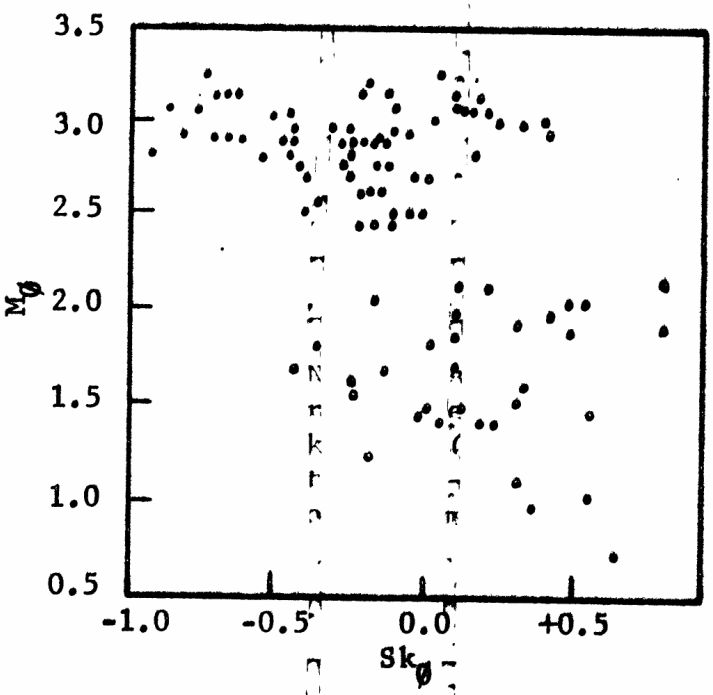


Fig. 59E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). -12'-18' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 94

r = -.48

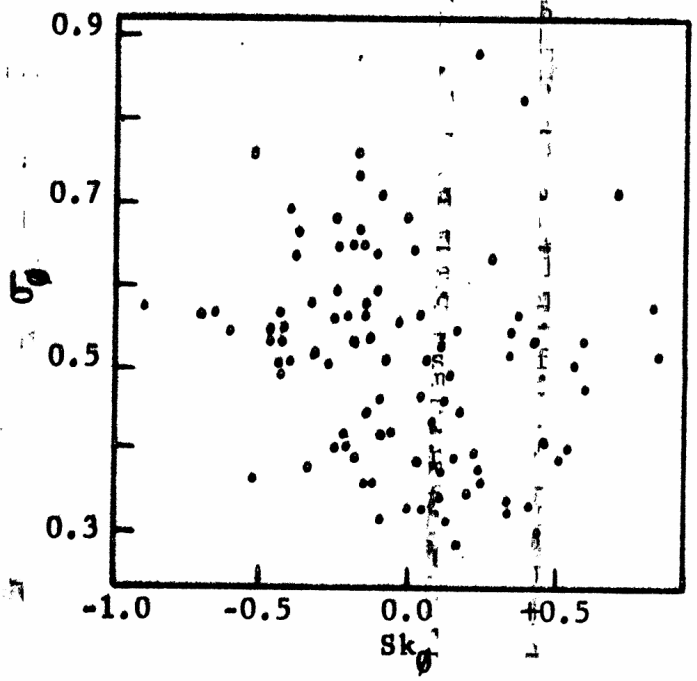


Fig. 60E. Relationship of skewness(Sk_ϕ) to sorting (σ_ϕ). -12'-18' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 94

r = -.21

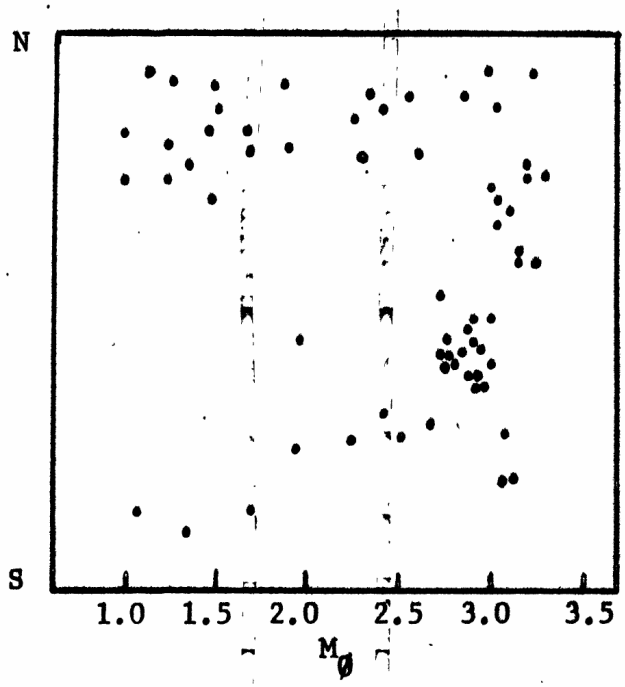


Fig. 61E . N to S (south Beach Haven to Brigantine Shoal) variation of grain size (M_ϕ). -18'-24' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 67

r = -.25

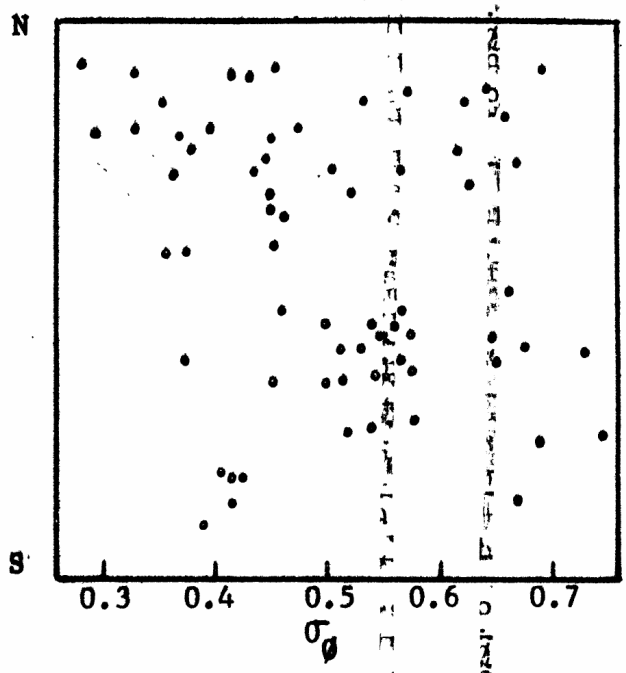


Fig. 62E. N to S (south Beach Haven to Brigantine Shoal) variation of sorting (σ_ϕ). -18'-24' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 67

r = -.21

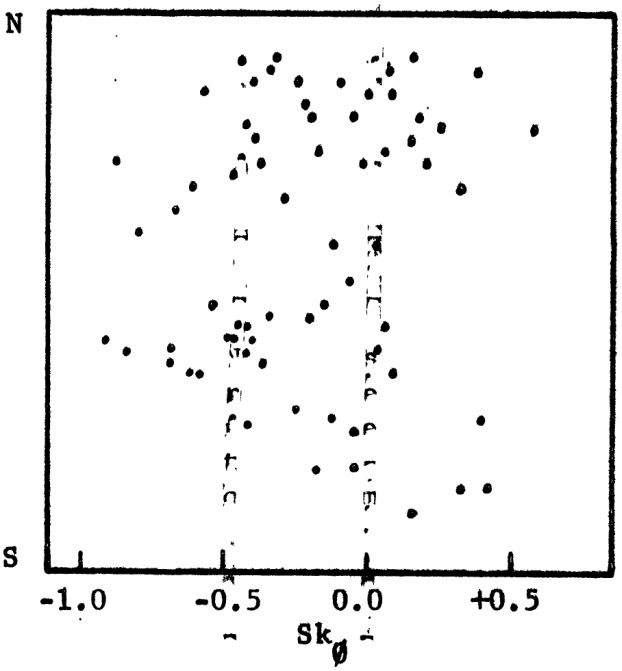


Fig. 63E. N to S (south Beach Haven to Brigantine Shoal) variation of skewness (Sk_ϕ). -18'-24' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 67

r = .05

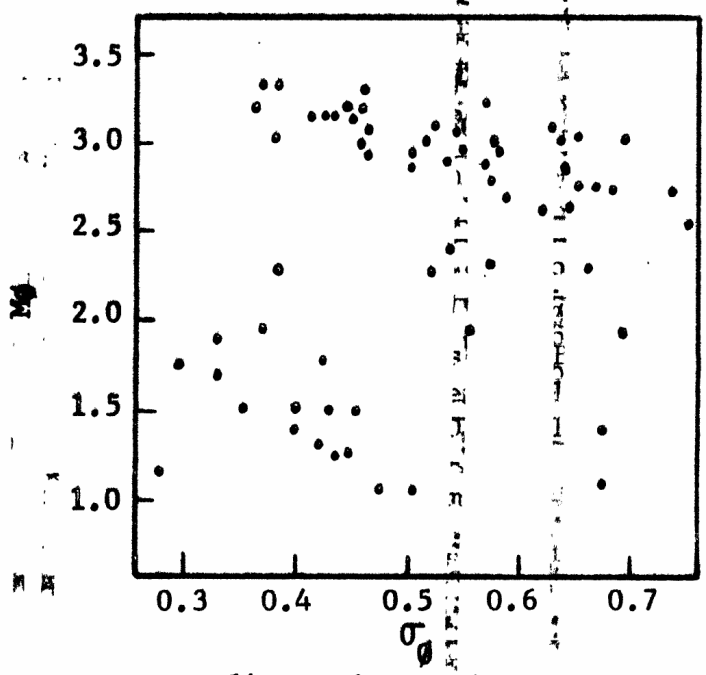


Fig. 64E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). -18'-24' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 67

r = .22

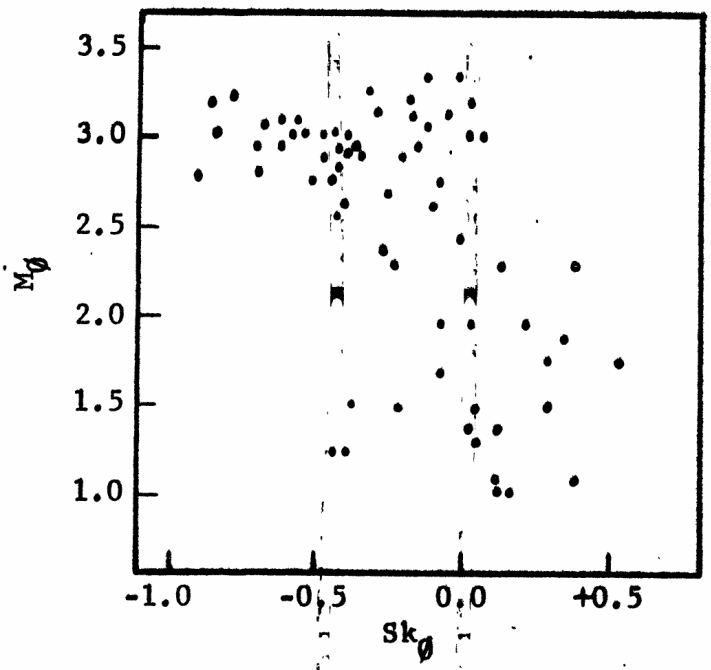


Fig. 65E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). -18'-24' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 67

r = -.56

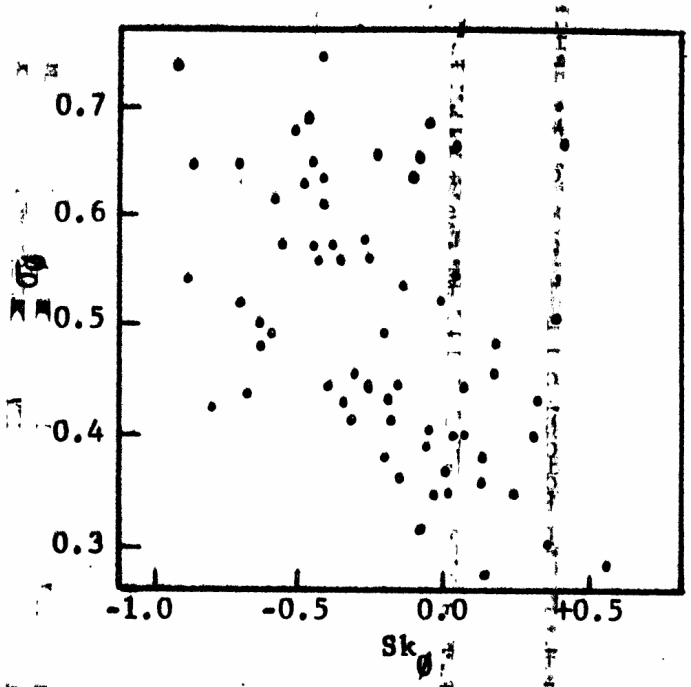


Fig. 66E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). -18'-24' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 67

r = -.49

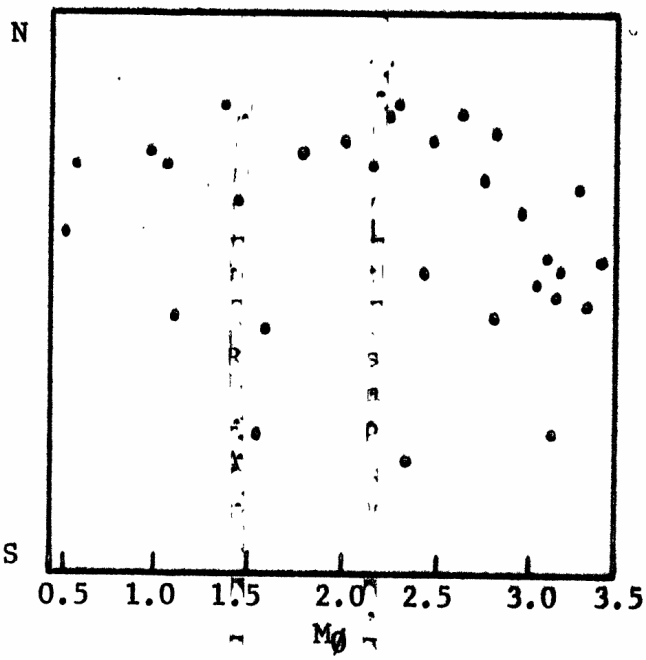


Fig. 67E. N to S (south Beach Haven to north Brigantine) variation of grain size (M_ϕ). -24'-30' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 31

r = -.20

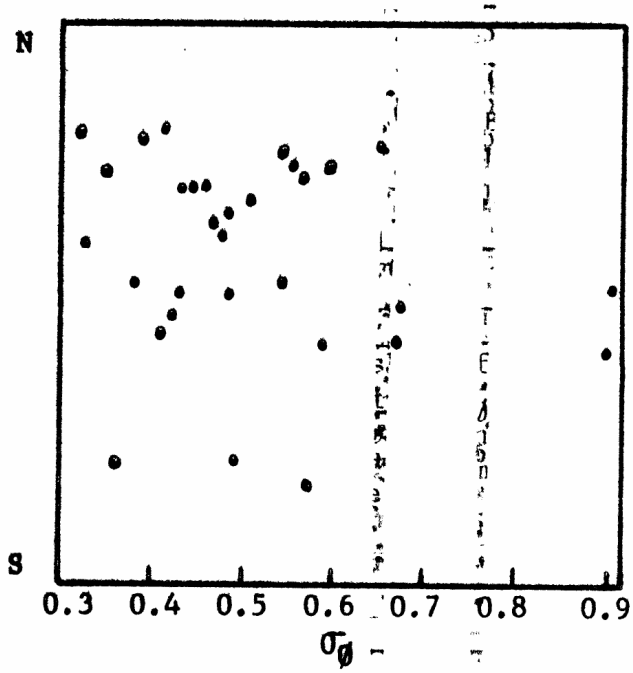


Fig. 68E . N to S (south Beach Haven to north Brigantine) variation of sorting (σ_ϕ). -24'-30' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 31

r = -.20

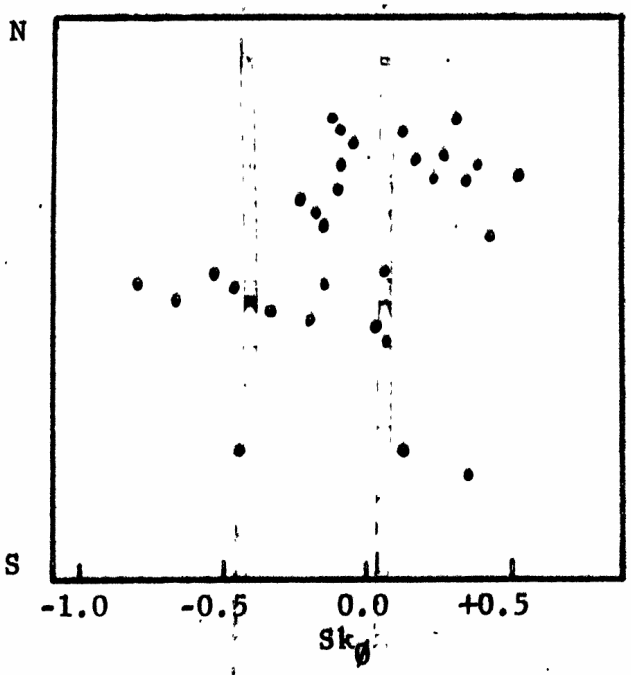


Fig. 69E. N to S (South Beach Haven to north Brigantine) variation of skewness (Sk_ϕ). -24'-30' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 31

r = .25

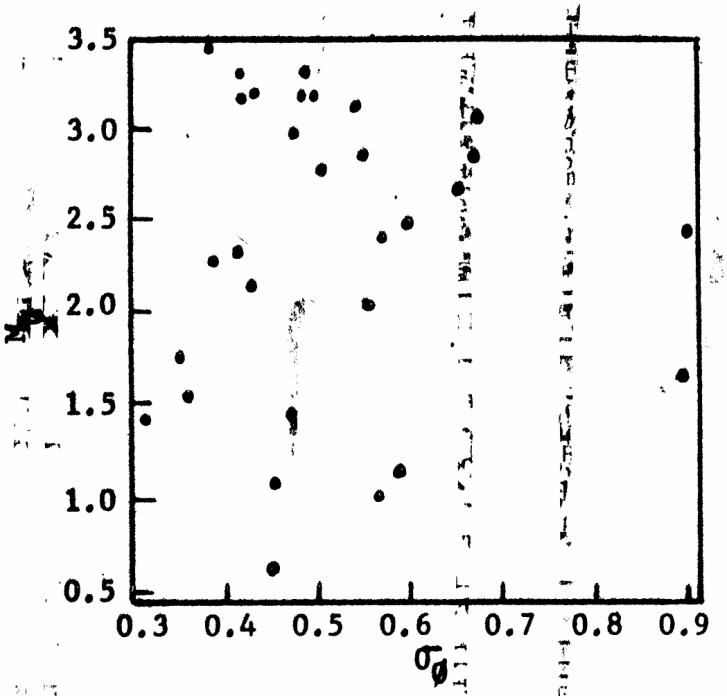


Fig. 70E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). -24'-30' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 31

r = .10

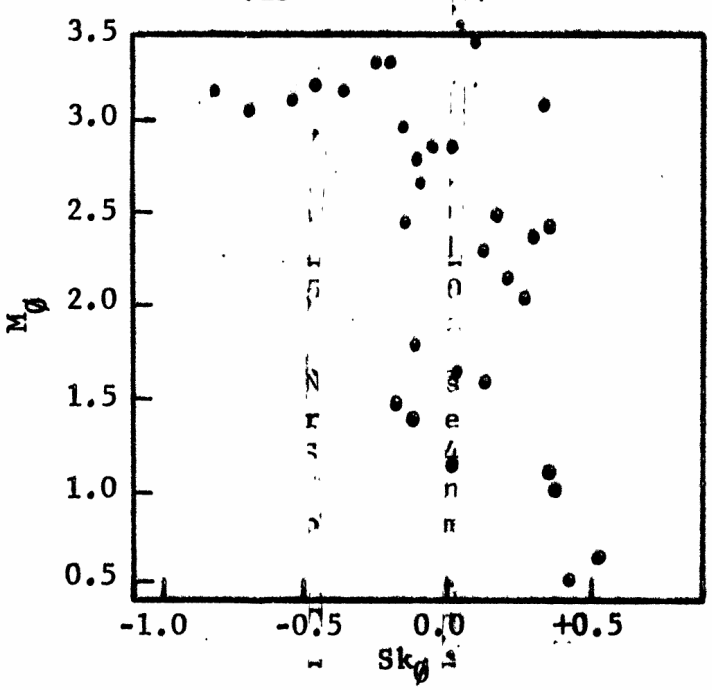


Fig. 71E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). -24'-30' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 31

r = -.68

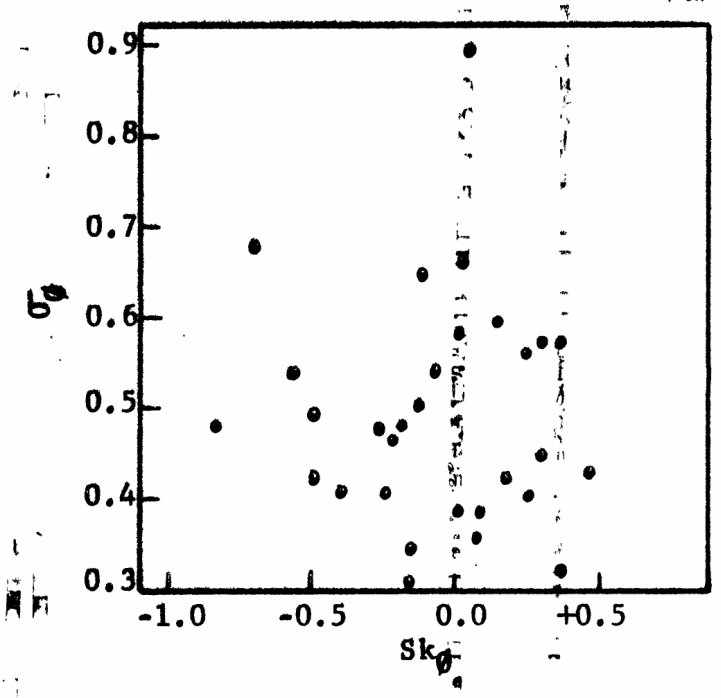


Fig. 72E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). -24'-30' (-MLW) depth zone - 1965 nearshore Atlantic bottom samples.

n = 31

n = -.11

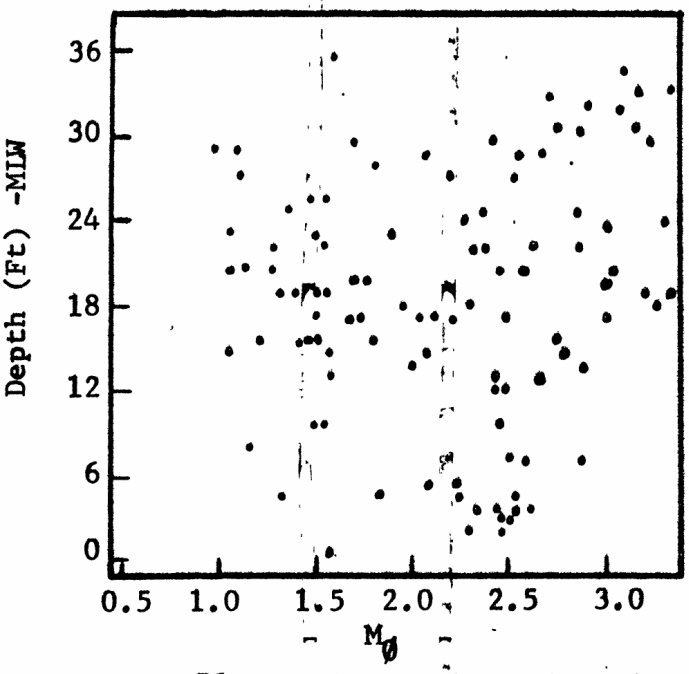


Fig. 73E . Relationship of grain size (M_ϕ) to depth of water. 1965 bottom samples. Trend surface area 1: Atlantic nearshore region from south Beach Haven to Beach Haven Inlet.
n = 111
r = .07

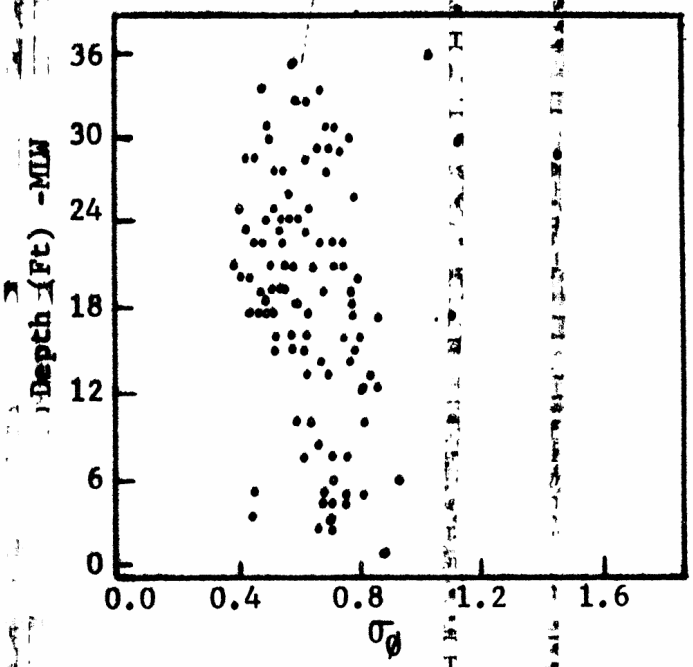


Fig. 74E . Relationship of sorting (σ_ϕ) to depth of water. 1965 bottom samples. Trend surface area 1: Atlantic nearshore region from south Beach Haven to Beach Haven Inlet.
n = 111
r = -.13

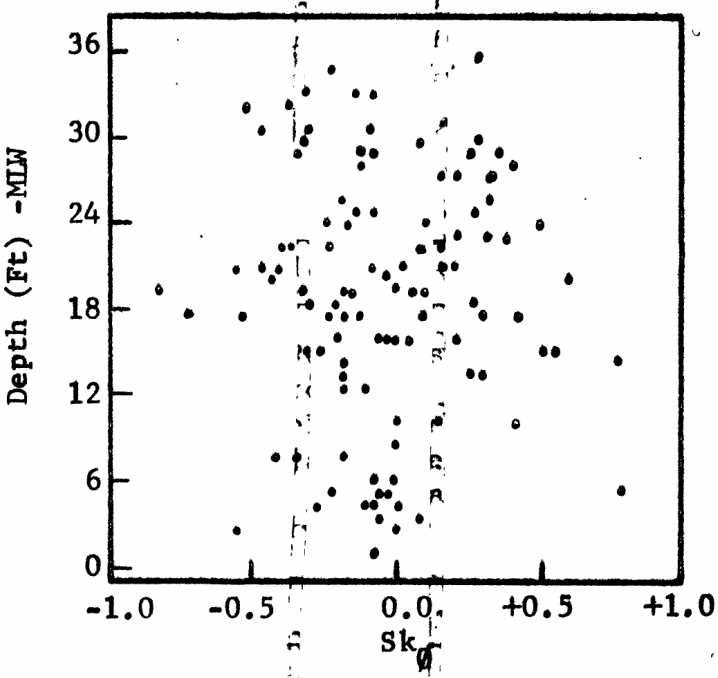


Fig. 75E . Relationship of skewness (Sk_ϕ) to depth of water. 1965 bottom samples. Trend surface area 1: Atlantic nearshore region from south Beach Haven to Beach Haven Inlet.
n = 111
r = .00

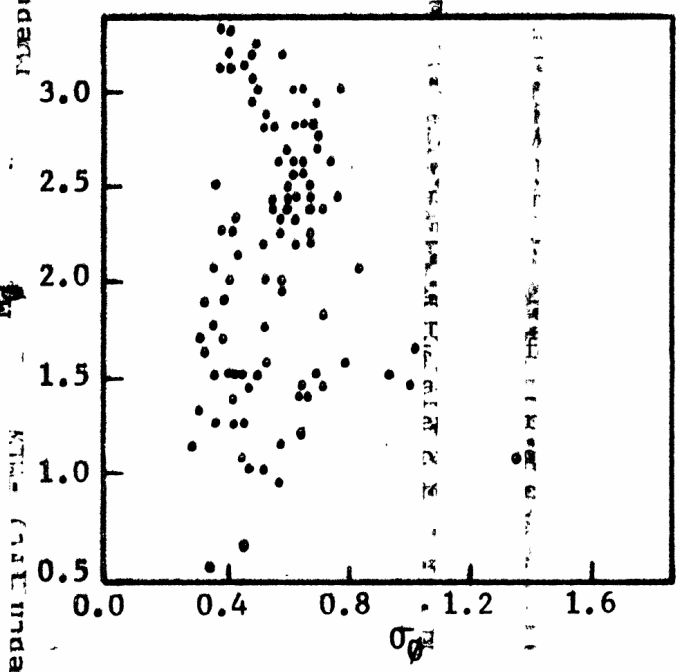


Fig. 76E . Relationship of sorting (σ_ϕ) to grain size (M_ϕ). 1965 bottom samples. Trend surface area 1: Atlantic nearshore region from south Beach Haven to Beach Haven Inlet.
n = 111
r = .04

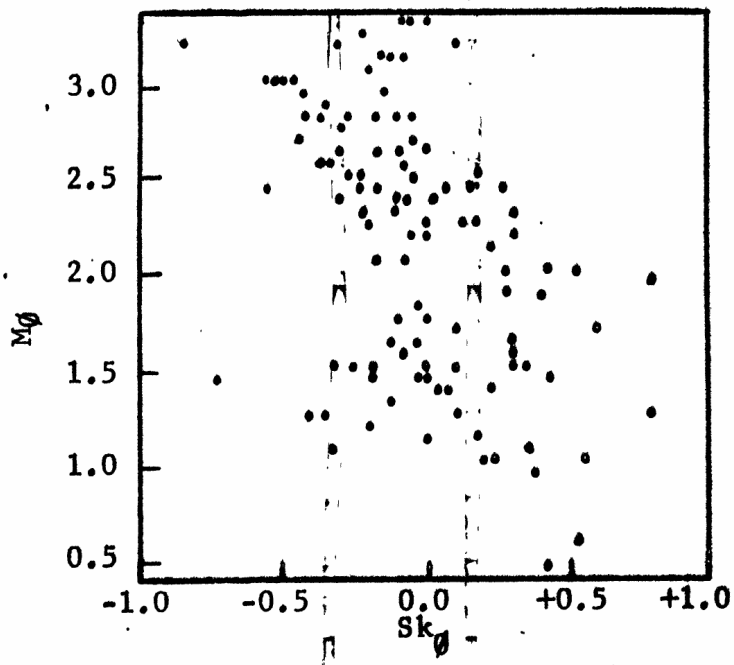


Fig. 77E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). 1965 bottom samples. Trend surface area 1: Atlantic nearshore region from south Beach Haven to Beach Haven Inlet.
n = 111
r = -.48

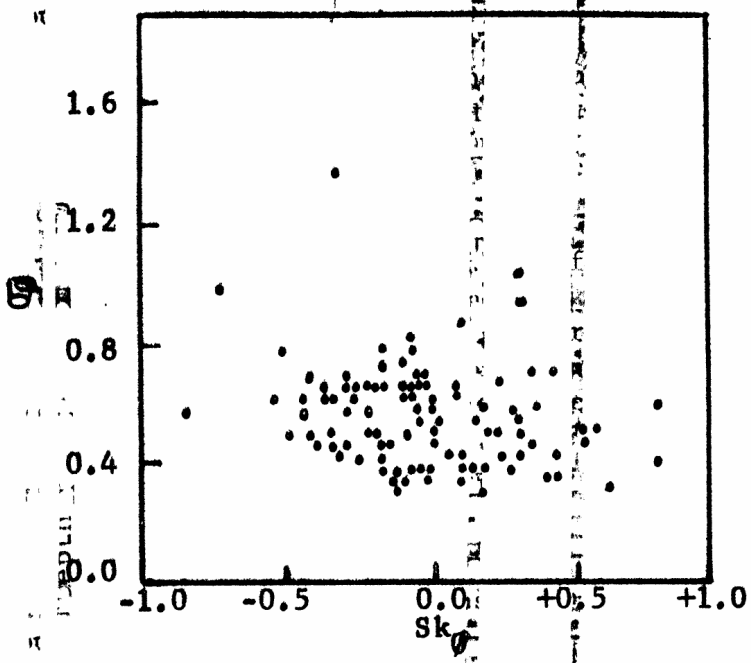


Fig. 78E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). 1965 bottom samples. Trend surface area 1: Atlantic nearshore region from south Beach Haven to Beach Haven Inlet.
n = 111
r = -.28

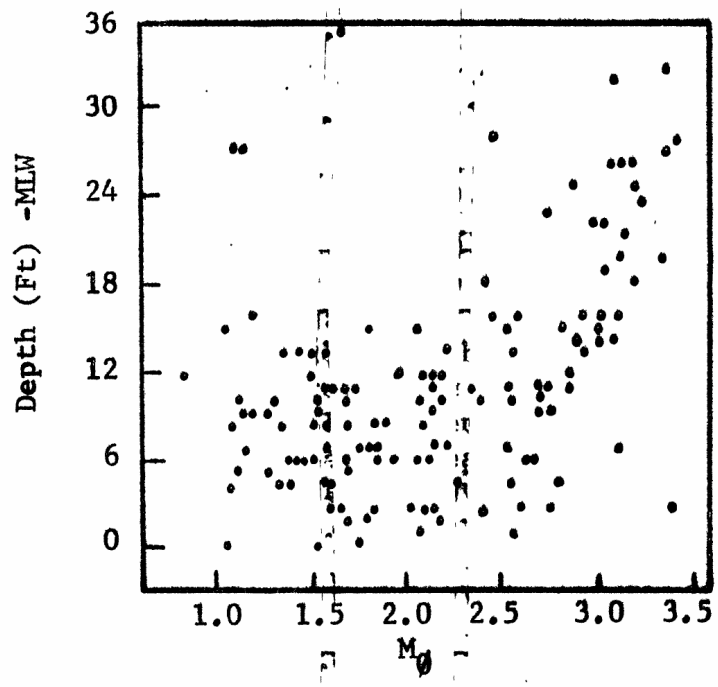


Fig.79E . Relationship of grain size (M_ϕ) to depth of water. 1965 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 148
r = .42

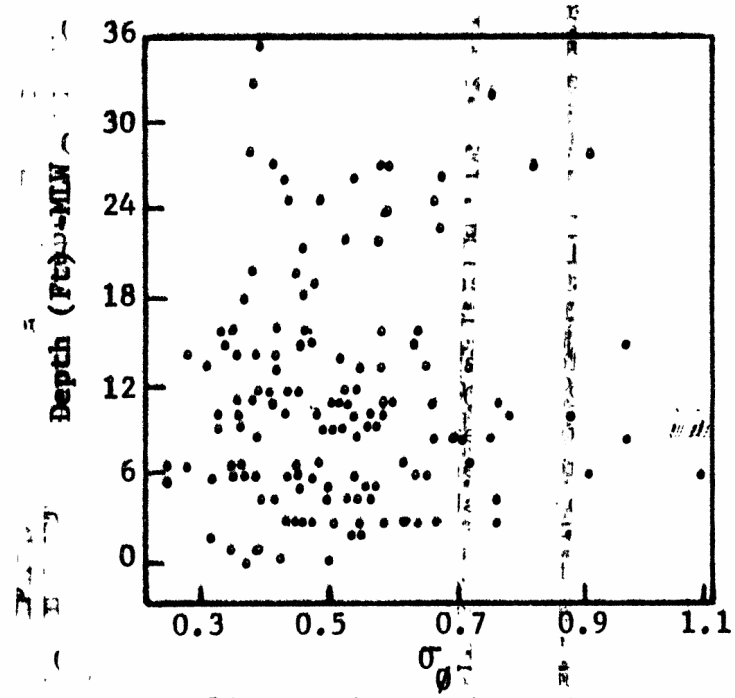


Fig.80E . Relationship of sorting (σ_ϕ) to depth of water. 1965 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 148
r = .06

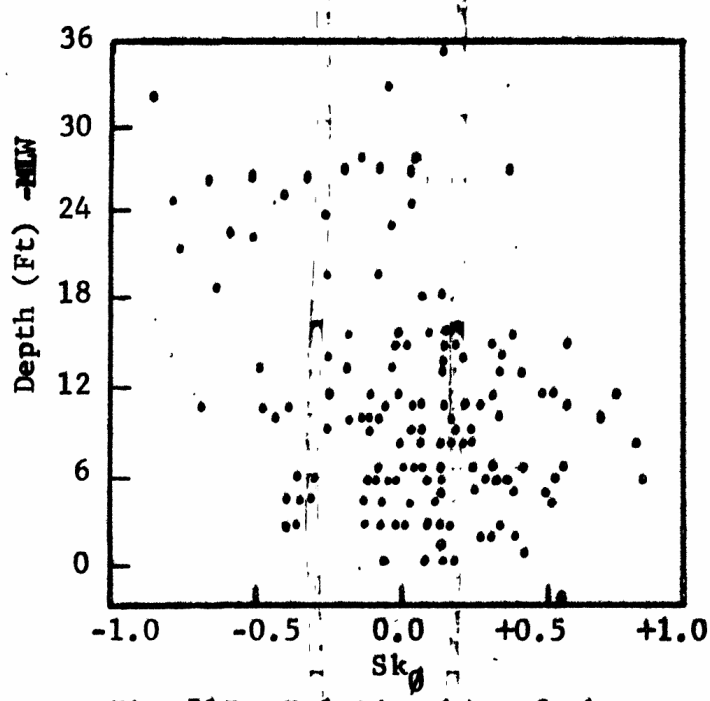


Fig. 81E. Relationship of skewness (Sk_ϕ) to depth of water. 1965 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 148
r = -.34

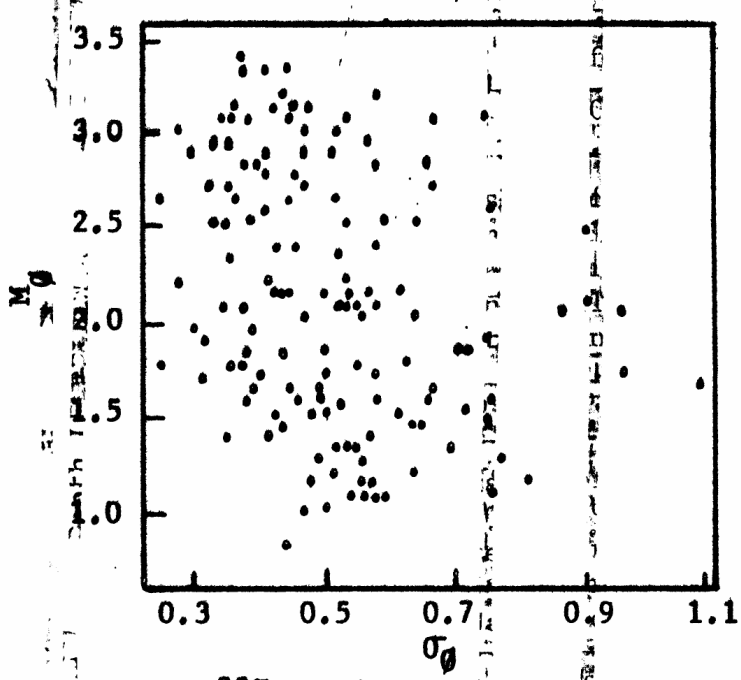


Fig. 82E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). 1965 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 148
r = -.31

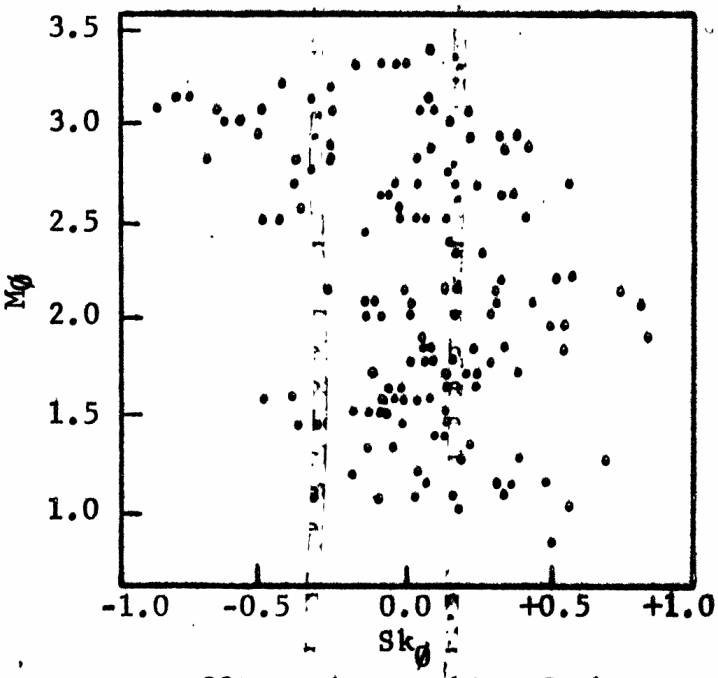


Fig. 83E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). 1965 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 148
r = -.32

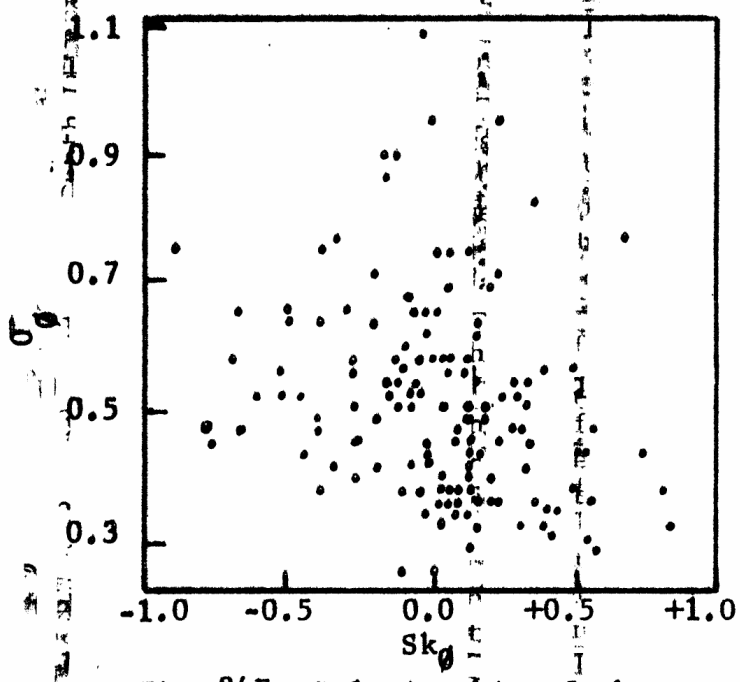


Fig. 84E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). 1965 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 148
r = -.26

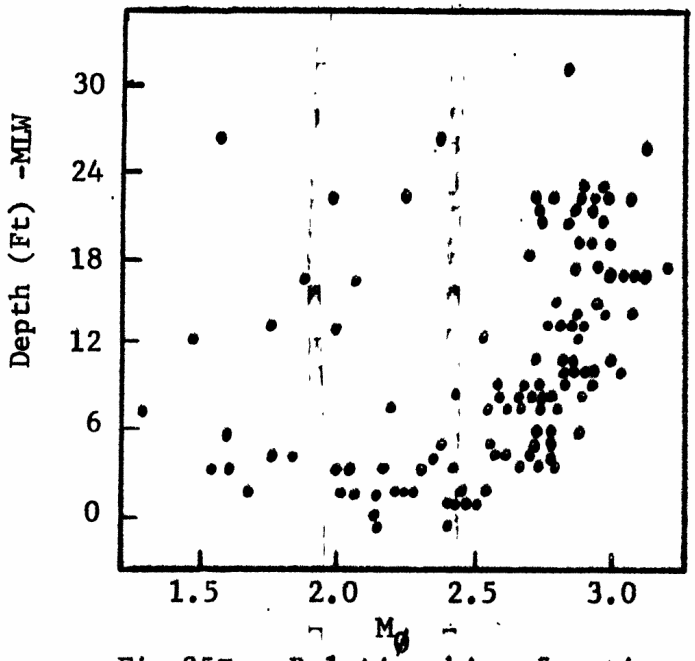


Fig.85E . Relationship of grain size (M_ϕ) to depth of water. 1965 bottom samples. Trend surface area 3: Brigantine Inlet and Atlantic nearshore region from Little Beach to north Brigantine.
n = 127
r = .39

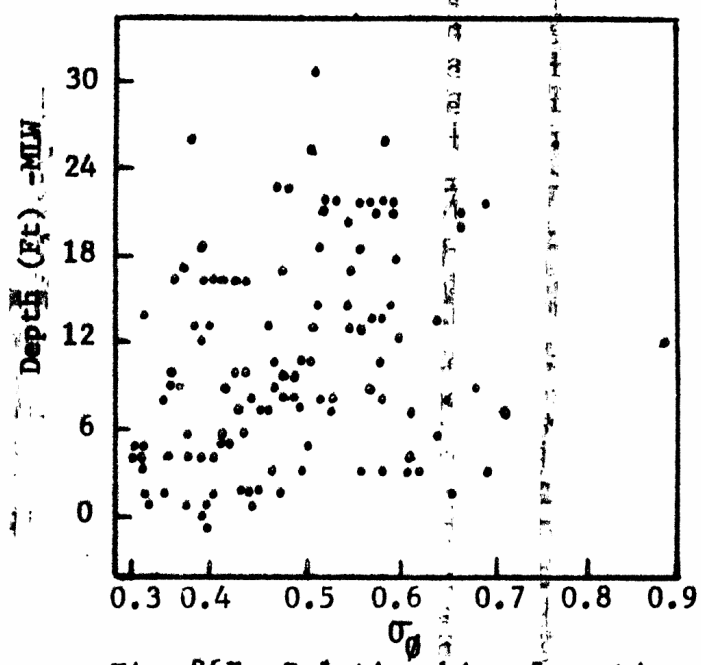


Fig. 86E. Relationship of sorting (σ_ϕ) to depth of water. 1965 bottom samples. Trend surface area 3: Brigantine Inlet and Atlantic nearshore region from Little Beach to north Brigantine.
n = 127
r = .29

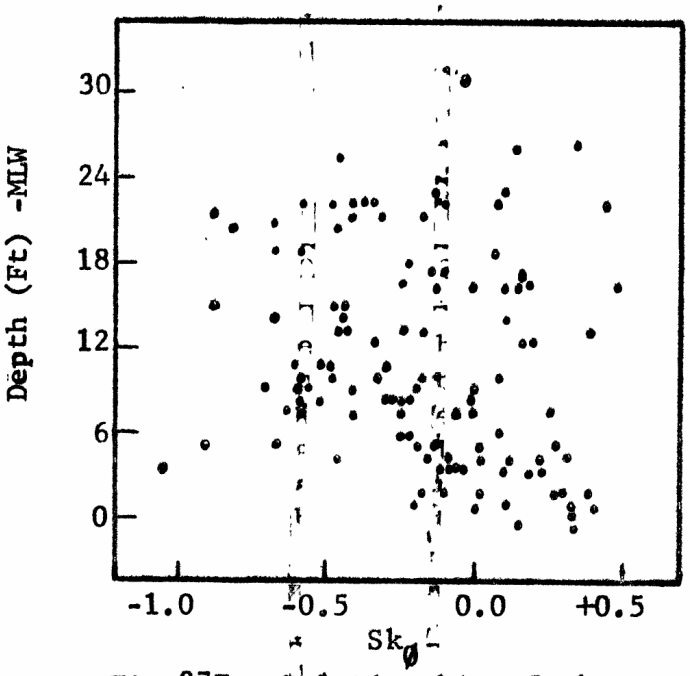


Fig.87E . Relationship of skewness (Sk_ϕ) to depth of water. 1965 bottom samples. Trend surface area 3: Brigantine Inlet and Atlantic nearshore region from Little Beach to north Brigantine.
n = 127
r = -.25

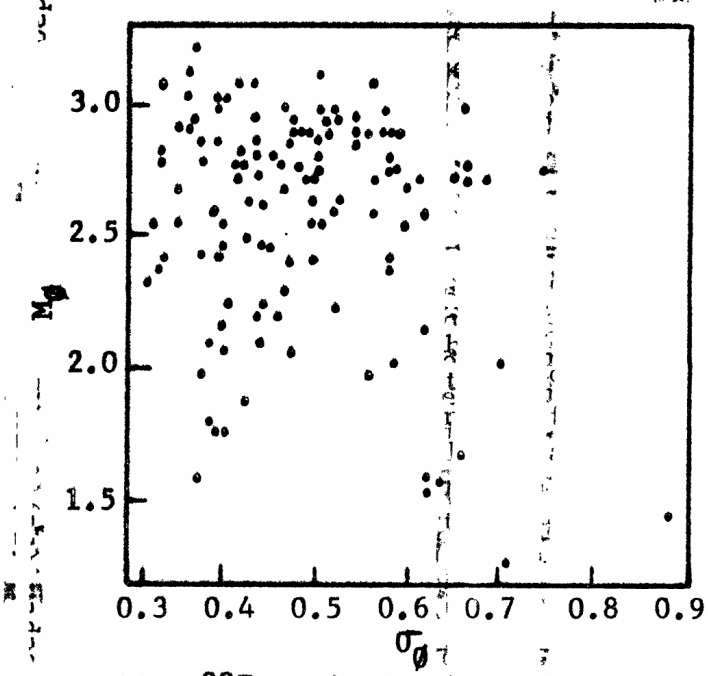


Fig. 88E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). 1965 bottom samples. Trend surface area 3: Brigantine Inlet and Atlantic nearshore region from Little Beach to north Brigantine.
n = 127
r = -.16

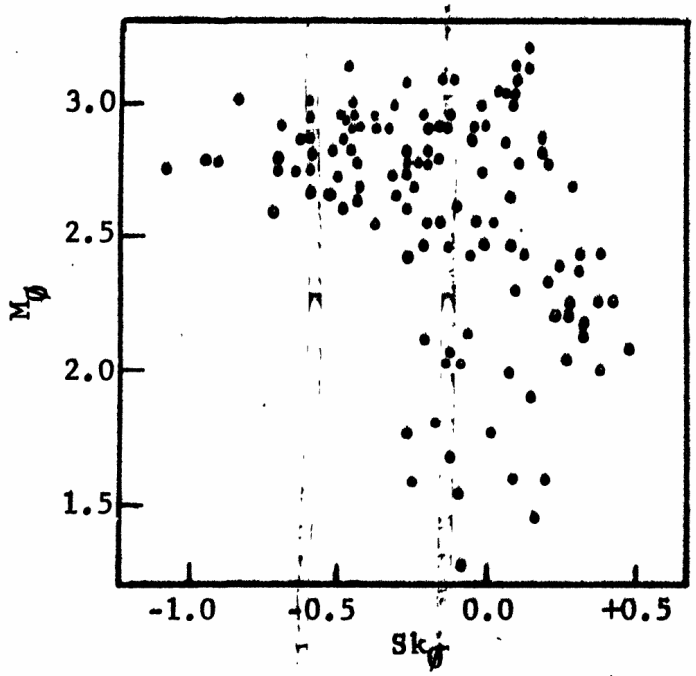


Fig. 89E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). 1965 bottom samples. Trend surface area 3: Brigantine Inlet and Atlantic nearshore region from Little Beach to north Brigantine.
n = 127
r = -.40

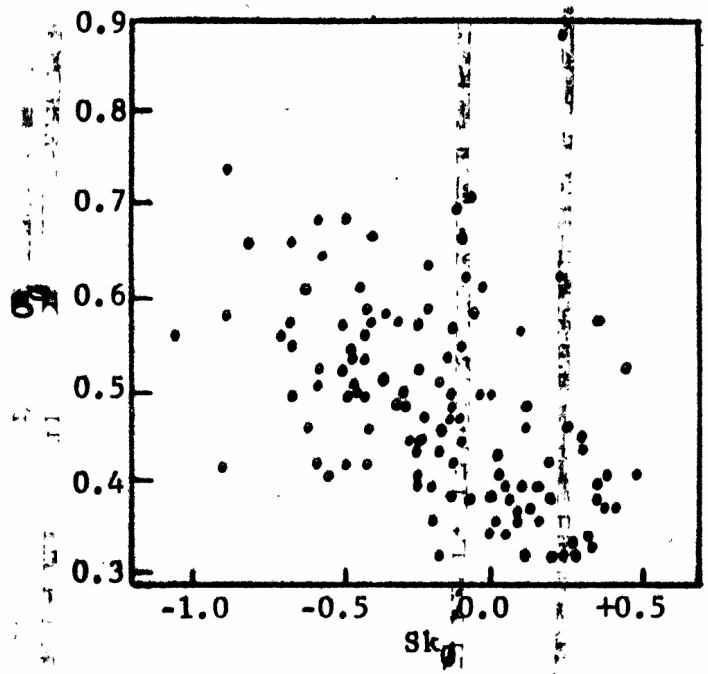


Fig. 90E. Relationship of sorting (σ_ϕ) to skewness (Sk_ϕ). 1965 bottom samples. Trend surface area 3: Brigantine Inlet and Atlantic nearshore region from Little Beach to north Brigantine.
n = 127
r = -.48

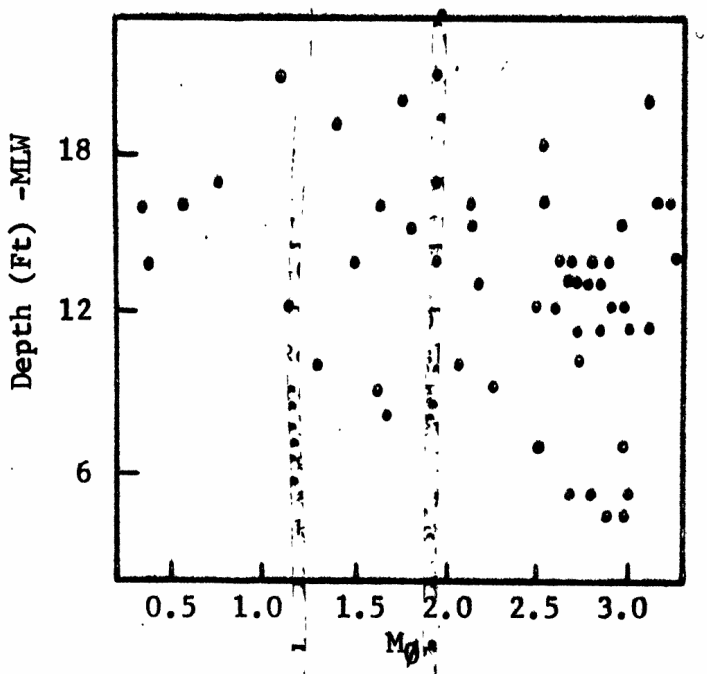


Fig. 91E. Relationship of grain size (M_ϕ) with depth of water. 1965 bottom samples. Trend surface area 4: Atlantic nearshore region from north Brigantine to Brigantine Shoal.
n = 59
r = -.25

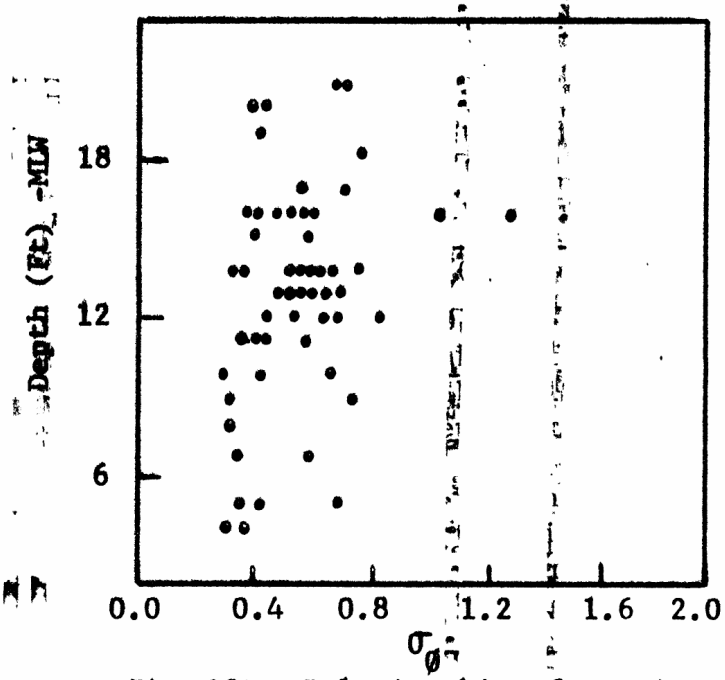


Fig. 92E. Relationship of sorting (σ_ϕ) to depth of water. 1965 bottom samples. Trend surface area 4: Atlantic nearshore region from north Brigantine to Brigantine Shoal.
n = 59
r = .28

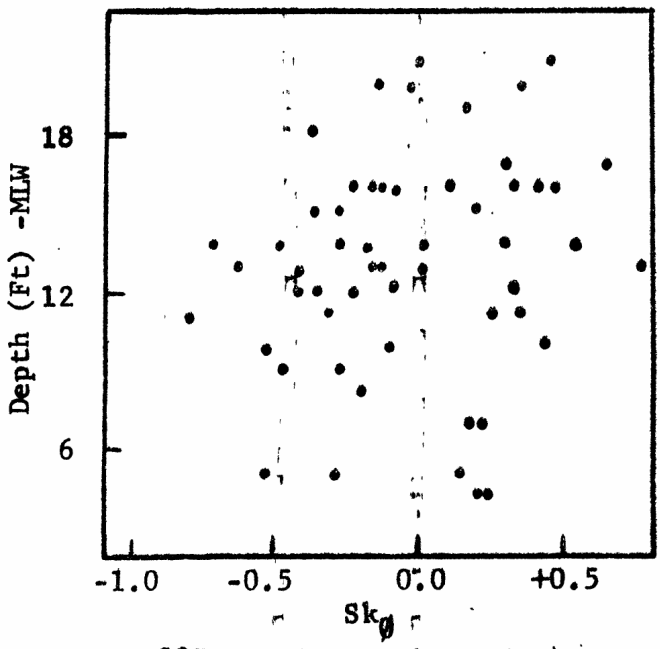


Fig.93E . Relationship of skewness (Sk_ϕ) to depth of water. 1965 *bottom samples. Trend surface* area 4: Atlantic nearshore region from north Brigantine to Brigantine Shoal.
n = 59
r = .23

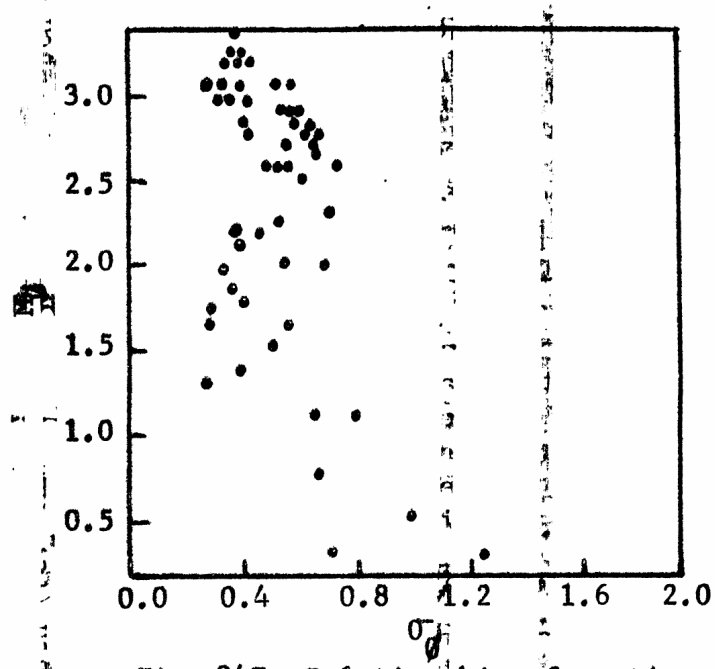


Fig. 94E. Relationship of sorting (σ_ϕ) to grain size (M_ϕ). 1965 *bottom samples. Trend surface* area 4: Atlantic nearshore region from north Brigantine to Brigantine Shoal.
n = 59
r = -.49

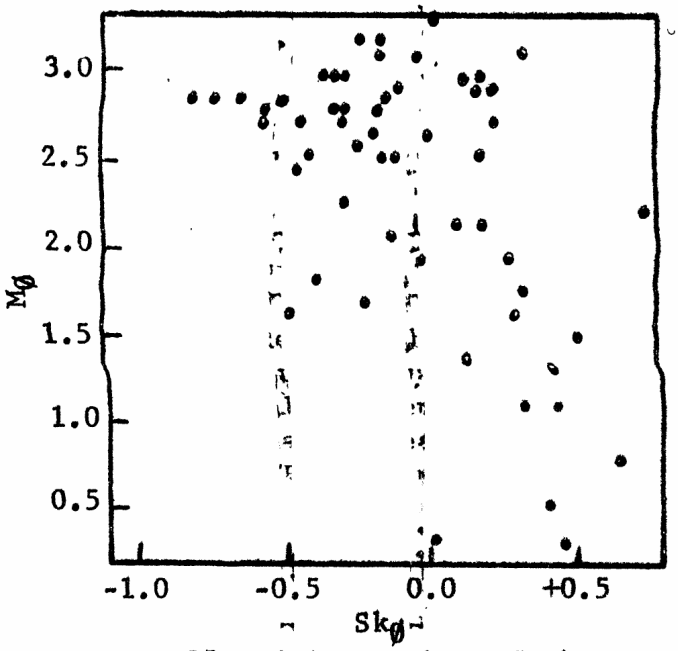


Fig. 95E. Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). 1965 bottom samples. Trend surface area 4: Atlantic nearshore region from north Brigantine to Brigantine Shoal.
n = 59
r = -.50

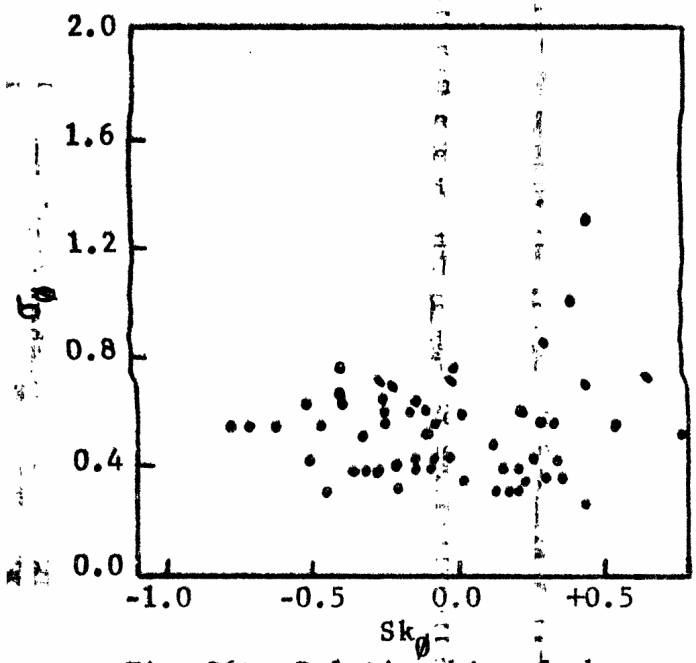


Fig. 96E. Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). 1965 bottom samples. Trend surface area 4: Atlantic nearshore region from north Brigantine to Brigantine Shoal.
n = 59
r = .03

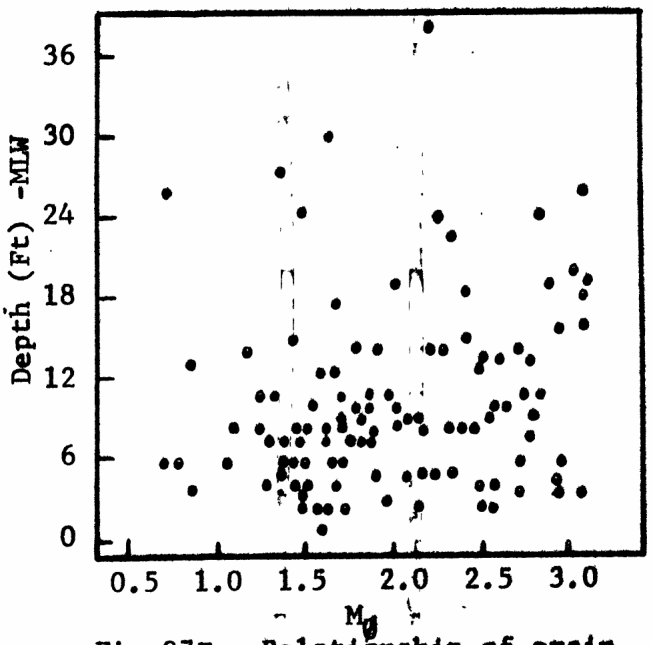


Fig.97E . Relationship of grain size (M_ϕ) to depth of water. 1964 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 116
r = .17

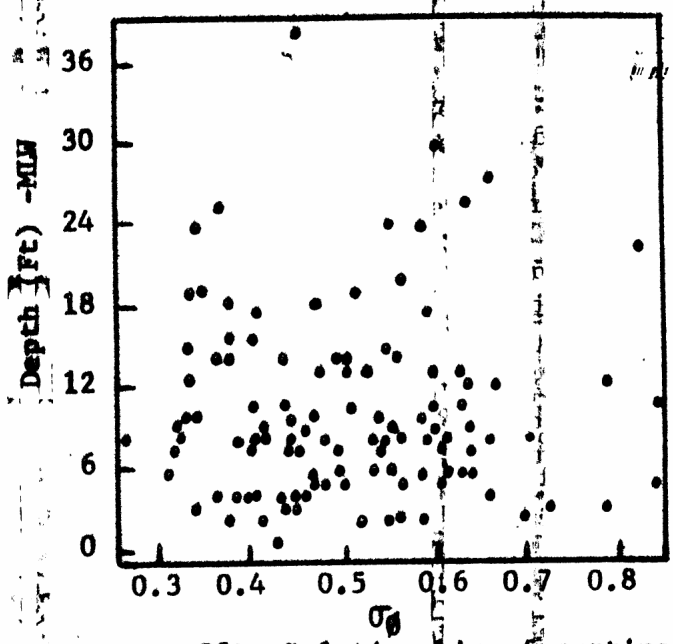


Fig. 98E. Relationship of sorting (σ_ϕ) to depth of water. 1964 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 116
r = -.02

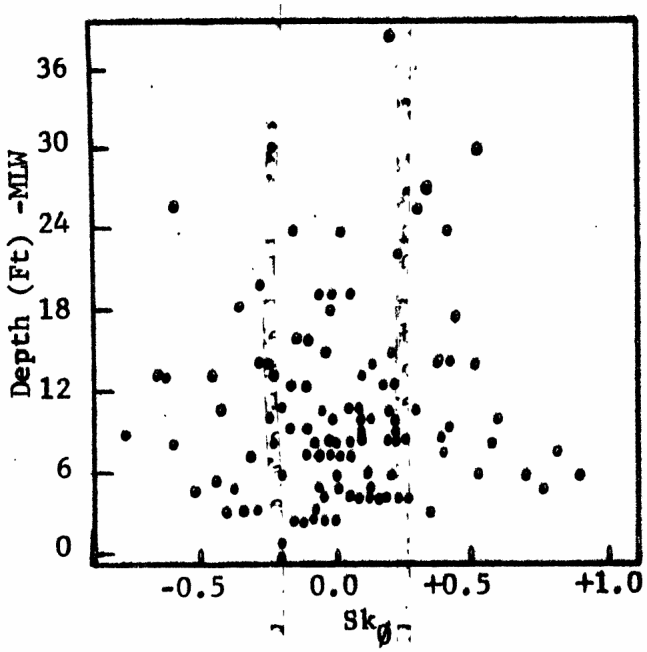


Fig. 99E. Relationship of skewness (Sk_ϕ) to depth of water. 1964 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 116
r = .08

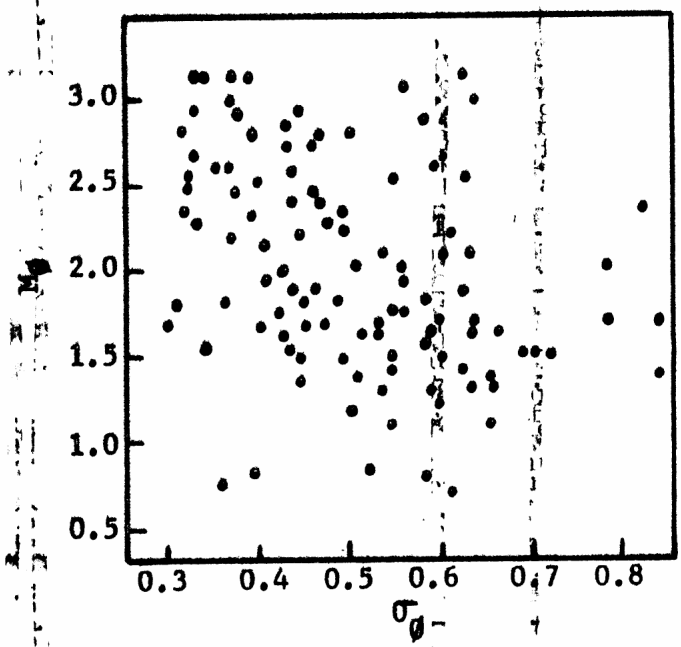


Fig.100E. Relationship of sorting ($\sigma\phi$) to grain size (M_ϕ). 1964 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 116
r = -.37

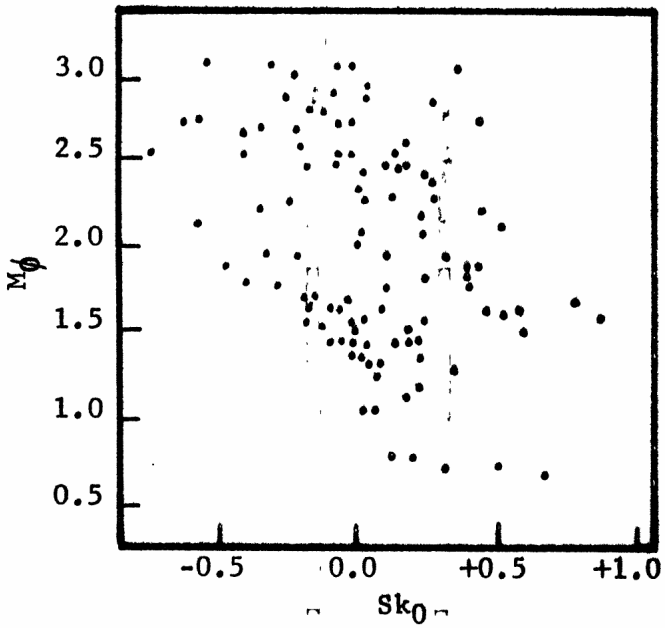


Fig. 101E . Relationship of skewness (Sk_ϕ) to grain size (M_ϕ). 1964 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 116
r = -.36

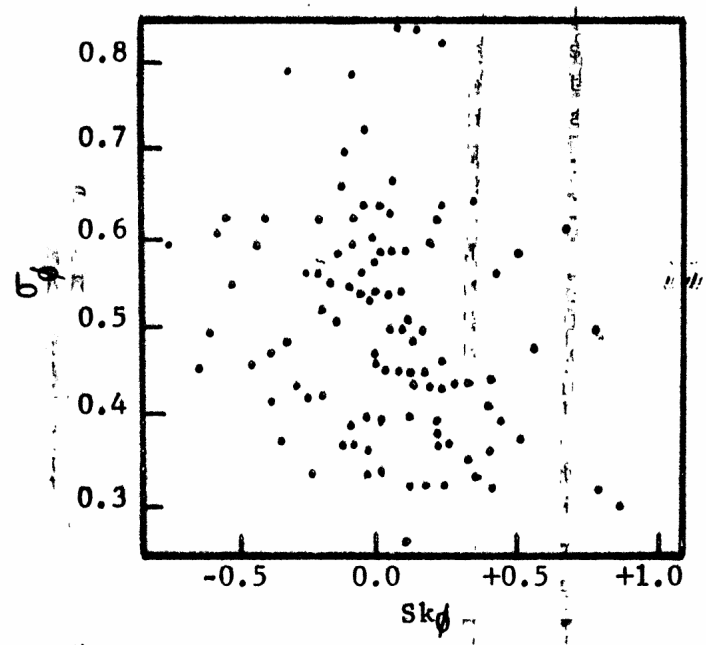


Fig. 102E . Relationship of skewness (Sk_ϕ) to sorting (σ_ϕ). 1964 bottom samples. Trend surface area 2: Beach Haven-Little Egg Inlets and adjacent Atlantic nearshore region.
n = 116
r = -.24

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