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Shallow seafloor geology and sediment character of the western Mallorca Platform

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Shallow seafloor geology and sediment character of the western Mallorca Platform

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Executive Summary: This memorandum reports an environmental analysis of an area in the west-central Mallorca Plateau that was carried out as a site survey prior to detailed acoustic transmission-loss and wide-area bottom acoustic structure experiments by the Seafloor Acoustics Group, SACLANTCEN in March, 1993 on board the R/V *Alliance*. High resolution seismic reflection Uniboom, deeper penetrating (about 5× Uniboom) reflection seismic Sparker, and side-scan sonargram surveys have been carried out along with core and grab sampling.

Environmental analysis is important in understanding the influence of bottom interaction because it permits precise modeling and analysis of the acoustic experimental data that allows optimization of sonar equipment. Analysis of acoustic data is being carried out jointly between SACLANTCEN, the University of Texas, Austin, and the Naval Research Laboratory, Washington, DC. Caiti et al. (in press) has reported on some of the processed acoustic experimental data.

A nearly flat shallow-water platform with local relief of less than 3 m, to the west of Mallorca is highly reflective to acoustic energy. Rock patches are common, especially in the south of the area surveyed. Recent sediment cover is locally present only as a thin veneer less than 4 m thick over acoustic basement, except near the shelf edges where it reaches 20 m thick. Objects will not bury easily throughout the area surveyed, but a large number of small rock exposures will hinder detection of any artifact placed on the seabed.

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Shallow seafloor geology and sediment character of the western Mallorca Platform

M.D. Max, E. Michelozzi, B. Tonarelli
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Abstract:

A site survey of the seabottom west of Mallorca in the central Balearic Islands has characterized the bottom and the immediate sub-bottom. High resolution seismic reflection Uniboom, deeper penetrating (about 5× Uniboom) reflection seismic Sparker, and side-scan sonargram surveys have been completed concurrent to high resolution bathymetry that is stored in digital form. All surveys were controlled by GPS. In addition, both core and grab samples have been recovered and analyzed.

The shelf area is composed of a flat surface eroded into hard rocks on which it was difficult to image subjacent sedimentary bedding. The acoustic basement of the southern and central area consist of acoustically 'massive' rock while the northern part of the area has acoustic basement formed from weakly bedded sedimentary rocks. The boundary between the two basements is transitional of unknown nature. A NNE–SSW trending sedimentary basin in the northern part of the area is founded on the bedded acoustic basement. A thin veneer of recent sediment overlies both types of acoustic basement and the flat-lying well-bedded sediments in the sedimentary basin. This recent sediment smoothes the nearly flat erosional surface by filling low-lying depressions in the erosional surface. It is dominantly calcareous sand formed from shell hash and minor calcareous algae, with coarse sand to fine gravel admixture of sub-rounded quartzo-feldspathic material, presumably sourced from the upstanding land masses and possibly from erosion of the shelves. At the outer edge of the shelf 10–18 m of sediments deposited since the last rise of sea level (post-Flandrian) unconformably overlies strongly bedded consolidated and semi-consolidated sediment that everywhere dip down slope.

The bottom is everywhere highly reflective to acoustic energy. It is almost flat, although where acoustic basement is exposed occasional pinnacles may rarely rise to a little over 3 m above the surrounding seafloor. The main areas of exposed rock are in the far south of the area, and in a slightly upstanding rocky bottom lying to the south of the sedimentary basin. Patches of more reflective bottom surround some rocky areas. The reflective character of the sediment is probably due to the presence of more coarse shell near the rocks, which would act as a habitat for live shelly fauna. Lighter reflecting patches of sediment are less reflective and probably indicate a finer-grained composition to the sediment.

Keywords: Balearic islands ○ bottom properties ○ Mallorca Plateau

Contents

1 Introduction

The Balearic Islands, comprising Menorca, Mallorca, and Ibiza in the west, rest on a continental crustal fragment of the eastern Iberian Peninsula (Fig. 1). The islands and their surrounding continental shelf form a prominent NNE–SSW trending submarine peninsula eastward from the Spanish mainland in the otherwise deep-water western Mediterranean. For at least the last five million years, since the Mediterranean flooded after the end-Messinian drying out when the sea passage to the Atlantic was closed, the shelf areas have been isolated from continental sediment supply, and no major rivers from the islands feed detrital sediments to the local continental shelf. Isolation from continental sediment in the relatively nutrient-poor Mediterranean has produced the sediment-starved Balearic shelves whose restricted sources of supply are aolean material sourced mainly in Africa, very restricted local erosion, and bioclastic material produced locally.

The platform on which the islands rest is generally flat and broad, especially off the NW and SW of Mallorca. The area was selected as a hard, flat, sandy-bottomed site at which SACLANTCEN could carry out joint acoustic experiments. This detailed site survey was carried out to aid interpretation of bottom-acoustic interaction as well as providing a detailed sediment and shallow geological data set to the general knowledge of Mediterranean continental shelves.

A bathymetric survey of the area (Fig. 1) was carried out to first establish the overall suitability of the shelf as an experimental site. The shelf is both flat and smooth over more than 75% of the examined area (Fig. 2). A combined survey was then carried out concurrently across the area (Fig. 3), and the resulting geophysical surveys analyzed as an integrated data set. The results of this interpretation are presented in this memorandum.

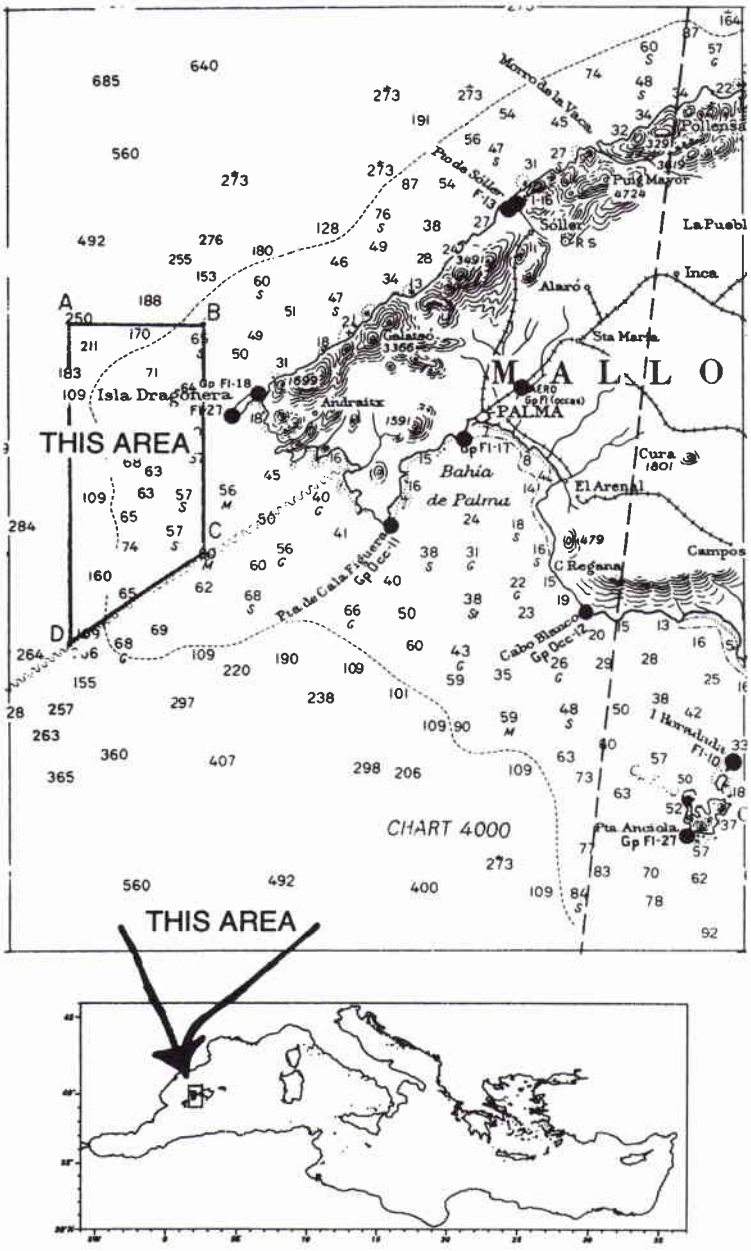
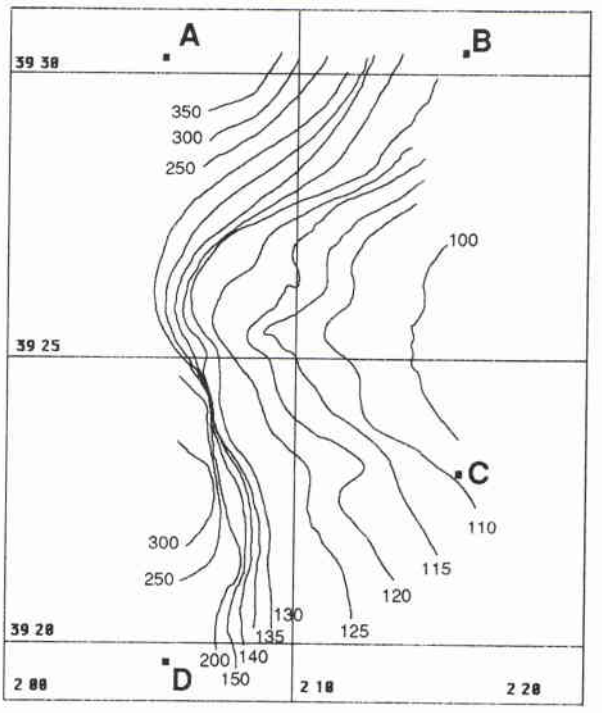


Figure 1 *General location chart (Admiralty Chart 4000). Study area was immediately to the west of Mallorca centered at about 40° N, 2° E. Box A-B-C-D was the allowed sea area. SE truncation to avoid submarine cable to Ibiza.*



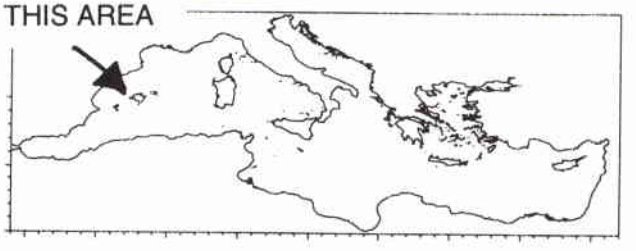


Figure 2 *Detailed bathymetry from survey track line data composited with existing chart bathymetry. Depths in m. Box A-B-C-D, allowed sea area.*

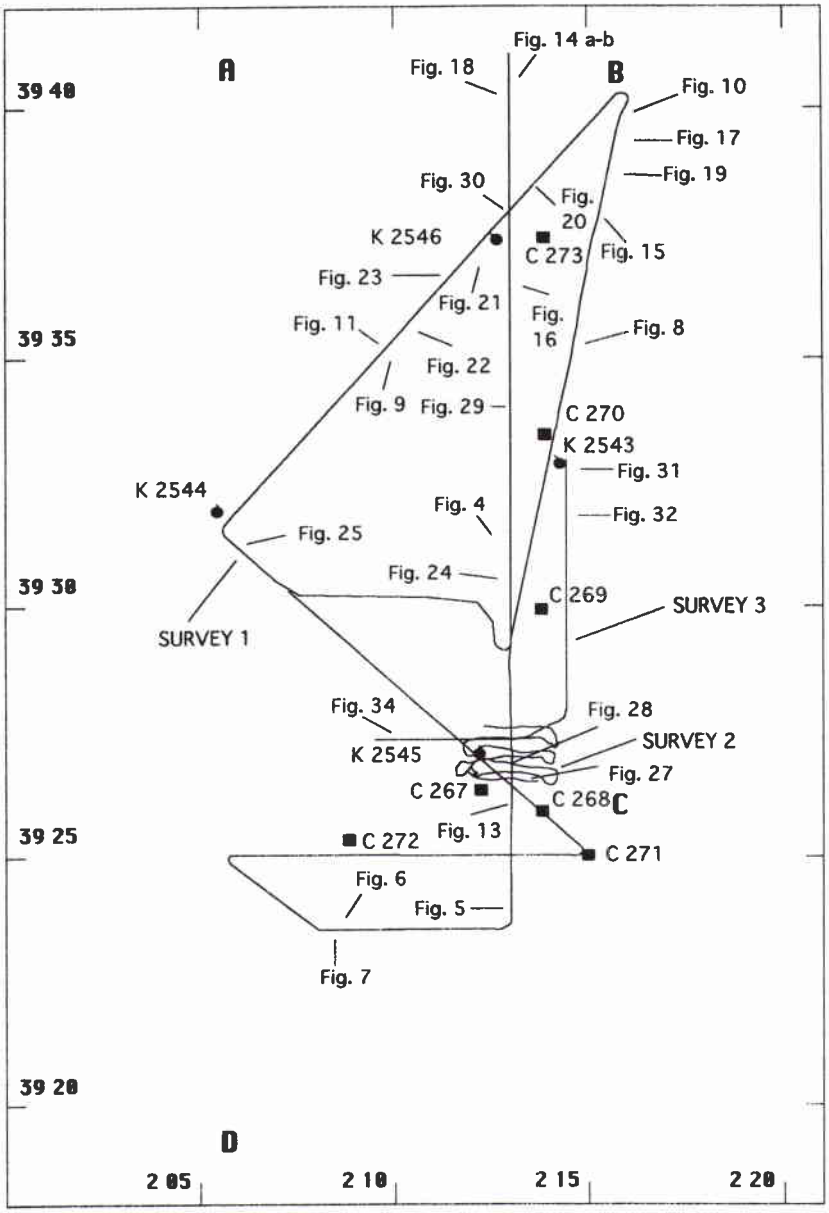


Figure 3 *General geology, survey track, core, and figure locations. All figures of Uniboom and Sparker profiles, and side-scan sonorgraph records are located here. Box A-B-C-D, allowed sea area. C, Cores; K, Grab samples.*

2 Geological background

The geology and tectonics of the western Mediterranean are quite complex in that a number of mountain belts in and adjacent to the Mediterranean have formed as the result of crustal plate collisions. These compressional mountain belts are jostled amidst small areas of active oceanic crust formation where the geodynamic framework within the plates is extensional to passive. In particular, this area is a subsiding fragment of an older mountain belt, now a passive relic on a complex extensional plate.

The Balearic Island chain is part of the Betic tectonic province of the southeastern Iberian peninsula (Durand-Delga, 1981). This Balearic crust is a relic of a once more widespread upstanding continental crust area that has been segmented by extensional tectonics in the last 5 million years. The Balearic ridge remained upstanding while crust in the Gulf of Valencia, between the Balearics and the Spanish mainland subsided as part of a failed rift system during formation of oceanic crust from the northeast corner of the Ligurian Sea (Fig. 1, inset). At this time the Balearic Platform physically moved away from Spain (Dañobeitia et al., 1990). The axis of this spreading zone jumped to between the eastern termination of the Balearic ridge and the Sardinia–Corsica microcontinent and continued between the Balearics and North Africa (Rehault et al., 1985), physically separating the Sardinia–Corsica microcontinent from the Balearics.

3
Reflection seismic surveys

The reflection seismic survey was carried out as part of an attempt to characterize the seabottom and the upper sediments, itself part of a wider program of research carried out by SACLANT Underwater Research Centre. The survey was carried out from the R/V *Alliance* during January–February of 1992. A novel technique for seismic reflection profiling was used. A low energy, high resolution system (EG&G model 265 Uniboom), and a medium energy, medium resolution system (Sparker) were towed at the same time. Bottom response from both instruments was received on a single towed array.

For the general surveys, a pulse of 300 J was used for the Uniboom. This generated an impulse of +207 dB/μPa source level in the 400–8,000 Hz band . The Sparker produced a 8,000 Joule pulse and an impulse of +219 dB/μPa. The source level of the Sparker was about 10 dB below that of the Uniboom, but had a different power spectrum (60 Hz/1 kHz). The towed 8-hydrophone receiver array had a sensitivity of 175 dB/V/μPa in the range 1–12 kHz for the general survey and a single towed hydrophone a sensitivity of −163 dB/V/μPa (100 Hz/18 kHz) during the detailed survey. The resolution of the Uniboom is better than that of the Sparker because it produces a single sharp pulse, whereas the Sparker pulse is longer and complex because of bubble reverberation. For the detailed survey, a pulse of 200 J produced an impulse of +204 dB/μPa (500 Hz/10 kHz), while all 8 hydrophones were monitored together, producing the effect of a single hydrophone.

Both Sparker and Uniboom were monitored by real-time chart profiling and the data were stored on analog videotape for later replaying and further analysis. This technique allows the characteristics of the uppermost strata and somewhat deeper strata and structure to be imaged along the same profiling track. It allows for somewhat different seismic perspectives of the upper sediment that has proven useful for interpretation.

Because of the horizontal continuity of the upper sediments and the parallelism of at least the upper 50–75 metres of buried strata with the bottom, acoustic experiments were carried out in the vicinity of, but not necessarily immediately over, survey lines.

Scale bars on figures are based on an average for ship's speed. Drift was less than half a knot and because of the complex course, with respect to current flow, horizontal scale does not include potential current drift variations. Vertical scales are based on a sound speed in sediment plus rock of 2000 m/s, which is an estimate for the thin carbonate sands and the water-saturated uppermost rockhead of the acoustic

basements, which was all that was imaged. Sediment was generally too thin (less than 1–2 m), and contained a high proportion of calcareous algae indicating that the sediment, whose clasts individually had relatively high sound velocities, might commonly be at least weakly cemented together.

The side scan imaged a number of pockmark fields, where pockmarks were commonly about 3–5 m across, and none of these were resolved on either the Uniboom or the Sparker.

4

Side-scan sonar

An EG&G Model 260-TH image correcting side-scan sonar was used for this survey. The fish was towed manually from a deck winch immediately adjacent to the geophysical equipment van on the stern of the *Alliance* to keep it in the height range above bottom of 11–16 m. 13–14 m was the optimum height and more than 70% of the survey was obtained within this narrower height range by constant monitoring and manual correction. Height was monitored from the digital recorder, with a height warning set to 10 m. Plotted record width of each beam was 10 cm, the equivalent of 100 m on the bottom (calculated to an actual 98.995 m at an average fish height of 14 m). A frequency of 100 kHz was used throughout the survey, resulting in a wavelength of 1.5 cm and a minimum image resolution of 0.25 m. Because the track speed was only 4 kn, less than the allowable 12.7 kn at the 100 m setting, somewhat finer resolution along track was anticipated. 800 pixels, of about 0.125 mm each, are imaged in the 10 cm chart width. Thus even very small features on the bottom were capable of being resolved and represented.

Figures of side-scan sonargraphs show both side-looking beams and the bottom profile convolved with about the first 20% of the starboard beam sonargraph. This is a standard output on the chart and is reproduced here in full, even though the port beam returns began to fade owing to a faulty electrical connection about two thirds of the way through the survey. Scale on the sonargraphs is compressed in the direction of ship's travel to approximately 2× the lateral scale. This was done mainly to save paper. Actual variation was measured from the distance on the record and actual GPS position to allow estimation of the current effect. This was found to be not more than 2.5 mm in 10 cm, the reference width of each side record. Scales shown on side-scan figures are at the 2× exaggeration, which is a good average for the survey as a whole. This track exaggeration therefore somewhat distorts angular relationships of bottom elements. This distortion has been taken into account during interpretation, where ascertaining the true orientation of bottom elements was important.

The height of rocks standing above the bottom were determined from the relationship:

$$H_t = \frac{L_s \times H_f}{R}$$

where H_t was the height of the object above bottom, L_s the length of the shadow of the rock, H_f the tow fish height, and R the range to end of the shadow cast by the object. 22 of the apparently tallest obstructions casting shadows were measured. They ranged from 3.08 m to 1.44 m in height, with all obstructions above 2 m in

height located in the southern part of the area, south of the southernmost experiment position (Fig. 2). Roughness along the N–S experiment line immediately south of the transition into the sedimentary basin bottom is apparently as rough, from the reflections seismic, but the shadows on the side scan were complex and a relief of more than 2 m could not be determined with confidence.

5
Acoustic basement

The south of the area is floored by almost flat acoustic basement covered by a thin veneer of sediment that further smoothes the bottom surface. This acoustic basement beneath thin sediment is seen in Fig. 4 and subsequent figures. On the Uniboom records, the acoustic basement appears internally featureless. Sparker records for this southern acoustic basement, with their greater penetration, also reveal no bedding features (Fig. 5). Reflection of most of the acoustic energy at the sediment and acoustic basement surfaces has left too little energy to image internal impedance contrasts within the acoustic basement. Sedimentary rock immediately beneath the recent sediments is probably dominated by limestones and limy sediments. Near the slope break along the southwestern edge of the plateau, the upper surface of these sedimentary rocks are reminiscent of a series of reef knolls (Fig. 6). Off-plateau strata have a strongly bedded character on the slope, but grade into the characteristically featureless acoustic basement (Fig. 7). Relief on exposed acoustic basement is no more than about 4 m (Fig. 8, 9), which indicates a virtual peneplaning (a nearly flat erosional surface) of the entire surface prior to sea level rise and partial covering with thin Recent sediment.

The northern part of the area is floored by somewhat different acoustic basement. The top of this acoustic basement also shows the strong return of the southern acoustic basement, but weak returns indicate bedded sediments dipping in complex patterns. These discontinuous bedding features can be traced up to the seabottom, where they have been truncated by erosion of the northern acoustic basement (Fig. 10). These deeper sediments appear to be weakly folded, suggesting that they have undergone at least minor tectonism prior to deposition of the uppermost sediments seen in the NNE–SSW trending sedimentary basin. The deeper bedding structures can be followed to the south of the uppermost on-lap sediments of the sedimentary basin (Fig. 11). The contact between, and the nature of, the northern and southern acoustic basements can only be tentatively identified as the southernmost limit of definite deeper bedding structures.

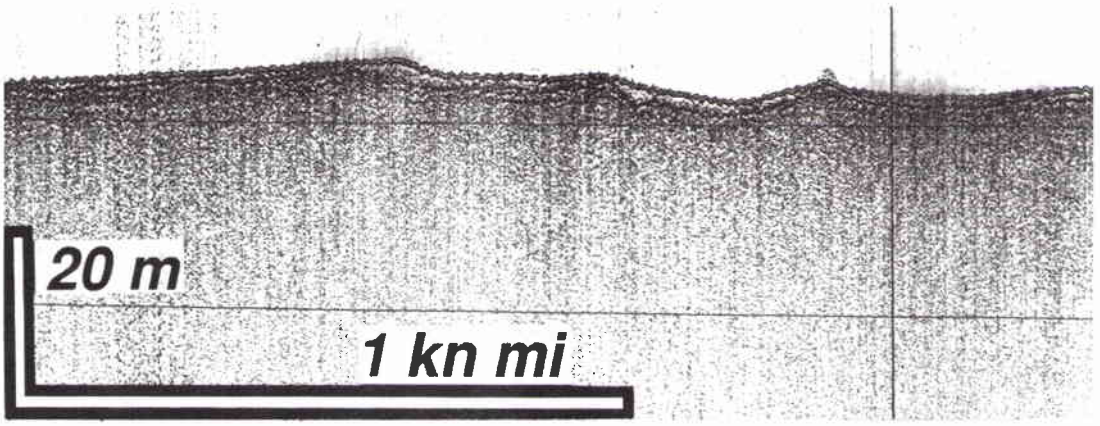


Figure 4 *Uniboom. Along track of the main N–S experiment. Note seafloor smoothing of rockhead roughness by sediment. Note multiple reflectors (reverberation) from rockhead.*

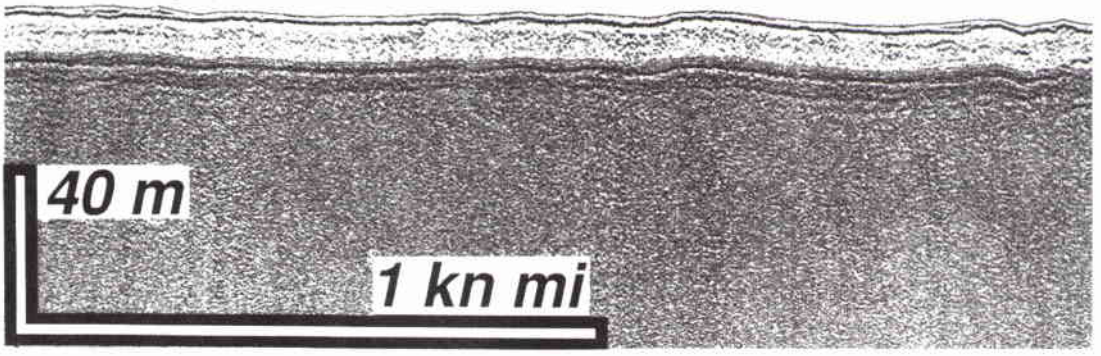


Figure 5 *Sparker. Characteristic appearance of southern acoustic basement. Strong bubble pulse gives a second return below a narrow bottom-following zone at the top of internally featureless acoustic basement on this and all following Sparker records. Note lack of laminated or dipping events indicating sedimentary bedding.*

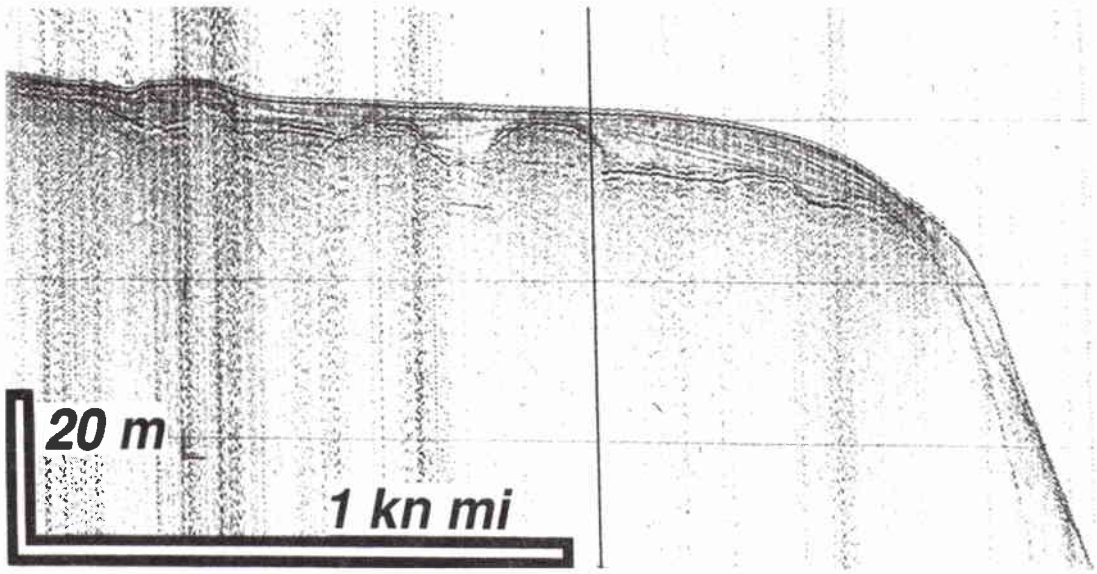


Figure 6 *Uniboom. Shelf edge showing Recent deltaic foreset sediments burying an irregular topography of the underlying weakly bedded, sediments having a strongly reflective upper surface. The buried morphology is strongly reminiscent of reef knolls and the strong reflectivity is what would be anticipated from reef limestones. Note the recent sediment wedge thins onto the slope to a feather edge, with the sediments on the slope laterally traceable into one of the lower recent units.*

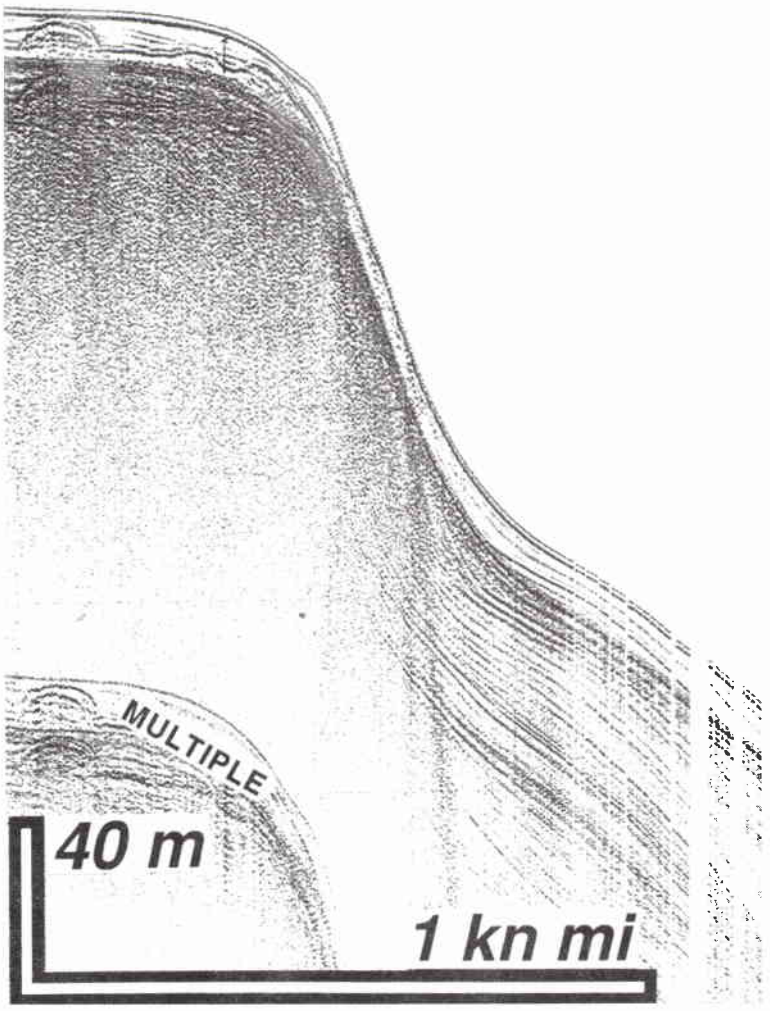


Figure 7 *Sparker. Shelf edge at SW of area. Well-bedded character of sediments passes into the featureless acoustic basement at about the shelf break. This could be either a reef-off reef situation, where massive platform limestones give way to bedded limestones and shales on the slope, or one in which most of the acoustic energy has been reflected near the surface and the remainder is not sufficient to image impedance contrasts in the lower acoustic basement. Possible bedding below second return may be interference and not bedding.*

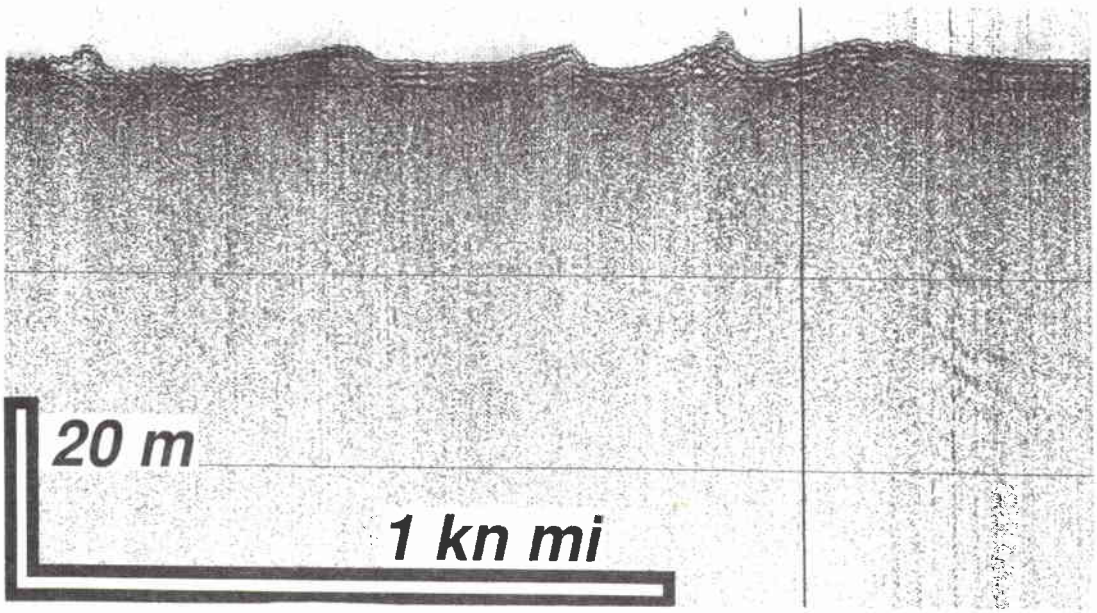


Figure 8 *Uniboom. Exposed rough rockhead. Acoustic structure in the uppermost bottom rocks/sediments is probably reverberation rather than sediment conforming to acoustic basement roughness.*

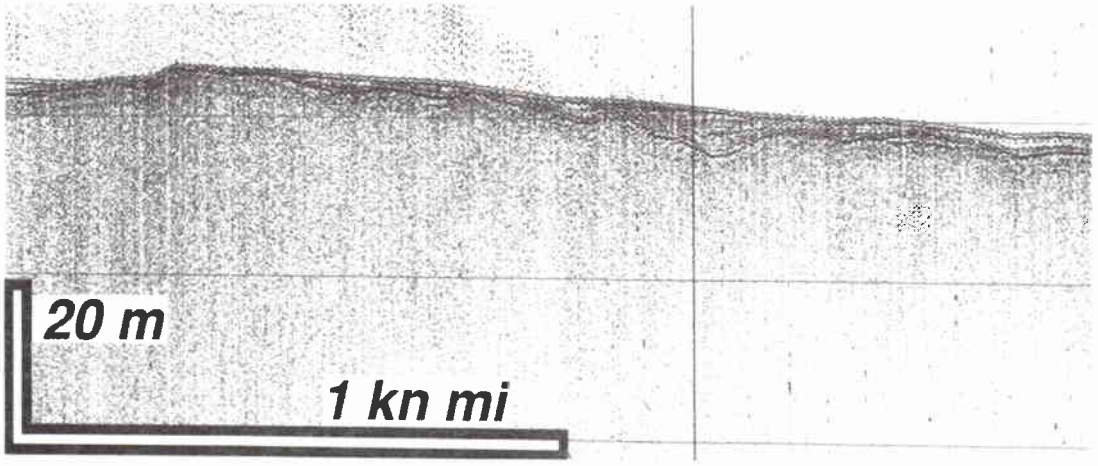


Figure 9 *Uniboom. Immediate southern continuation of Fig. 22. Note smoothing of rockhead roughness by sediment infill.*

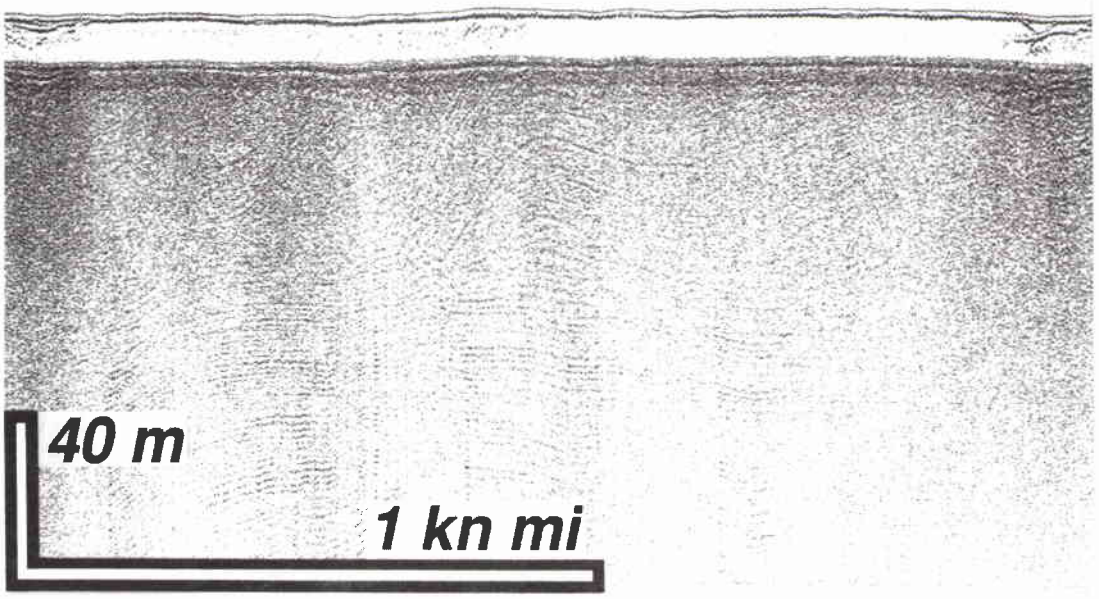


Figure 10 *Sparker. Flat plateau on northern acoustic basement to the north of the flat-lying sediments in the sedimentary basin. Complex laminated patterns indicated contorted, if not folded sediments. The steep slopes with apparent wrap-around, are reminiscent of carbonate bank structures, rather than clastic shelves. Apparent bedding is truncated at the seafloor, indicating erosion of a dipping stratigraphic sequence.*

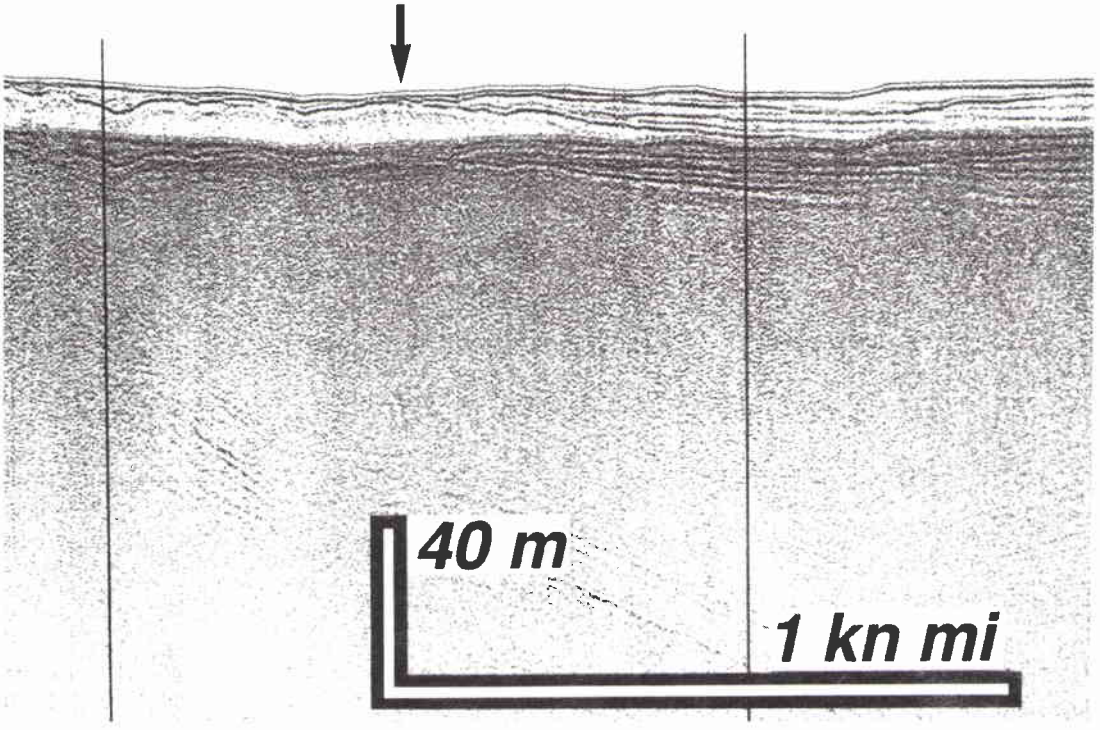


Figure 11 *Sparker. Sedimentary basin margin in the western part of the area. Compare upper part with Fig. 9. Note that deep bedding continues to south of the seafloor limit of the sedimentary basin overstep sedimentary wedge (Arrow).*

6
Faulting

Because the reflection seismic profiling was restricted in depth by the strongly reflected bottom, little faulting was directly observed. Along the margins of the sedimentary basin in the northern part of the area, faulting is inferred, but no unequivocal faults were observed. High level faulting was observed, however, along the NNW–SSE trending slope break marking the eastern limit of the Mallorca Plateau. The thin, discontinuous veneer of sediments thickens dramatically as the slope break is approached, and a fault off-sets the rockhead unconformity about 4 m (Fig. 12). To the south (Fig. 2), although no faults are revealed by the reflection seismics, a line of upstanding acoustic basement (Fig. 13) strongly suggests fault structural control for its linear orientation. The line up of the surface and fault features along the flank of a known fault-bounded depression between Mallorca and Ibiza (Mauffret et al., 1973), suggests that both features are related to major basin-margin faults. Basinward of this margin fault, rockhead subsides moderately, and the overlying sediment thickens to a complex series of foreset beds with two sharp breaks. The lowermost of these breaks is an unconformity, with cross-cut foreset beds below the lower tips of the northwestward prograding series. The uppermost surface appears to truncate the foreset series, but may only be a topset series of a late deltaic series, rather than bottom-parallel beds above a local unconformity. The uppermost surface becomes indistinct near the slope shoulder, where an acoustic artifact of the bubble pulse becomes intense. The particular geometry of the sources and the shoulder and slope have probably combined to cause this bottom-parallel event.

Sediment is less common at the northern margin of the plateau where important faulting is responsible for dramatically thickening slope sediments within the slope (Fig. 14a; Fig. 14b). Starvation of recent sediments yielding only small sediment wedges on the margins of the plateau is not seen in only slightly older sediments, of at least the northern slope, where sediment fill of differentially sinking basement has been compensated for by high sediment deposition.

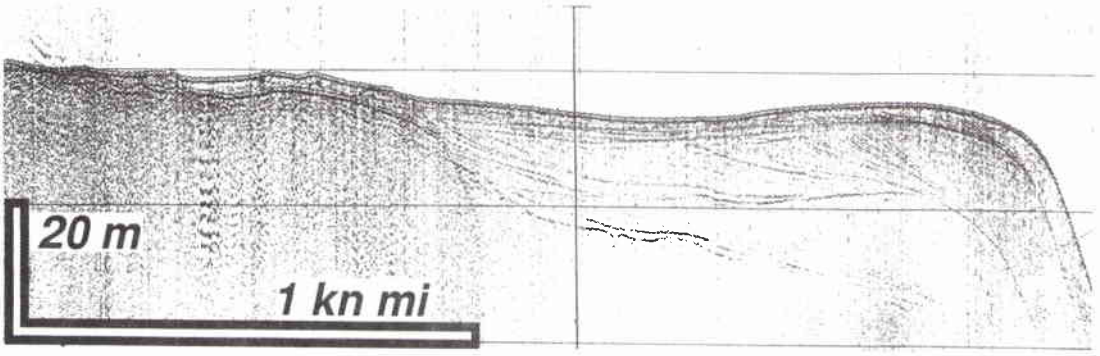


Figure 12 *Uniboom. Shoulder of the depression at the western margin of the Mallorca Plateau. Note faulting and thick sediment shoulder showing that the slope is depositional rather than erosional in nature. Bottom simulating event at slope break shoulder is probably a reverberation artifact.*

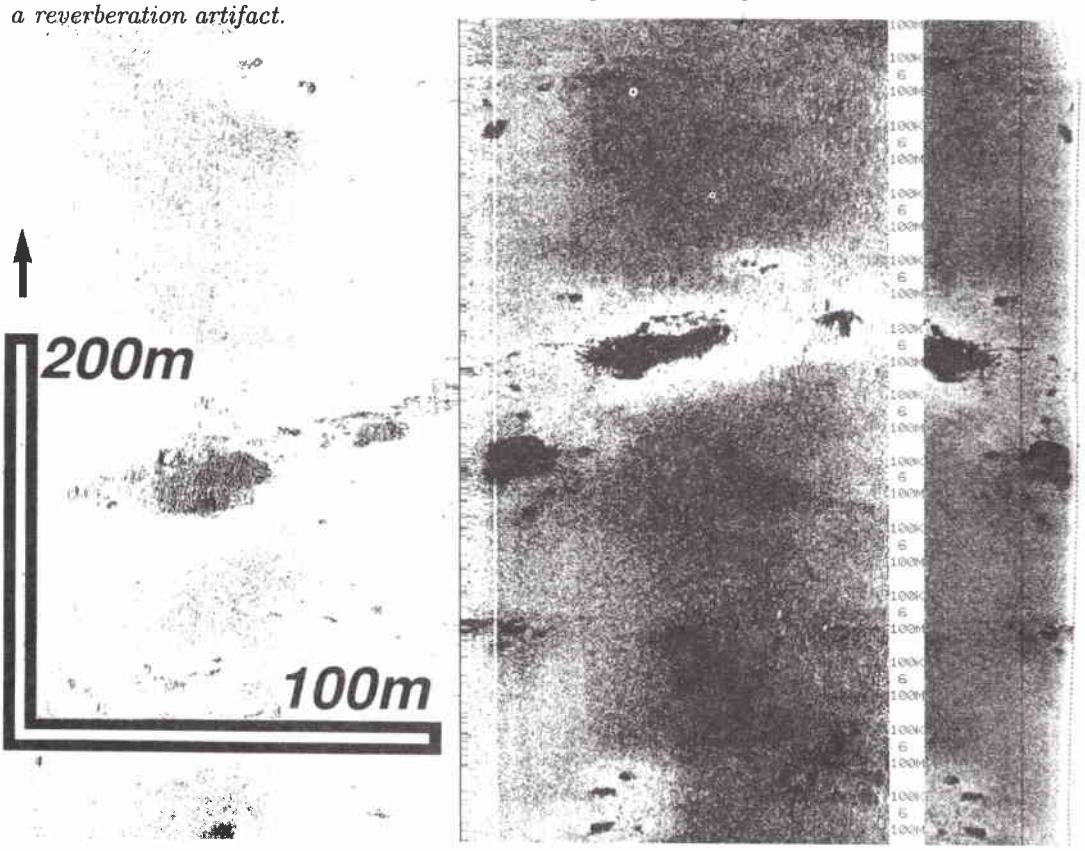


Figure 13 *Sonargraph of elongate line of acoustic basement outcrop. In Fig. 1 these are along line and trend of regional faulting that is about parallel to the trend of the platform and may indicate that their disposition is apparently due to fault control.*

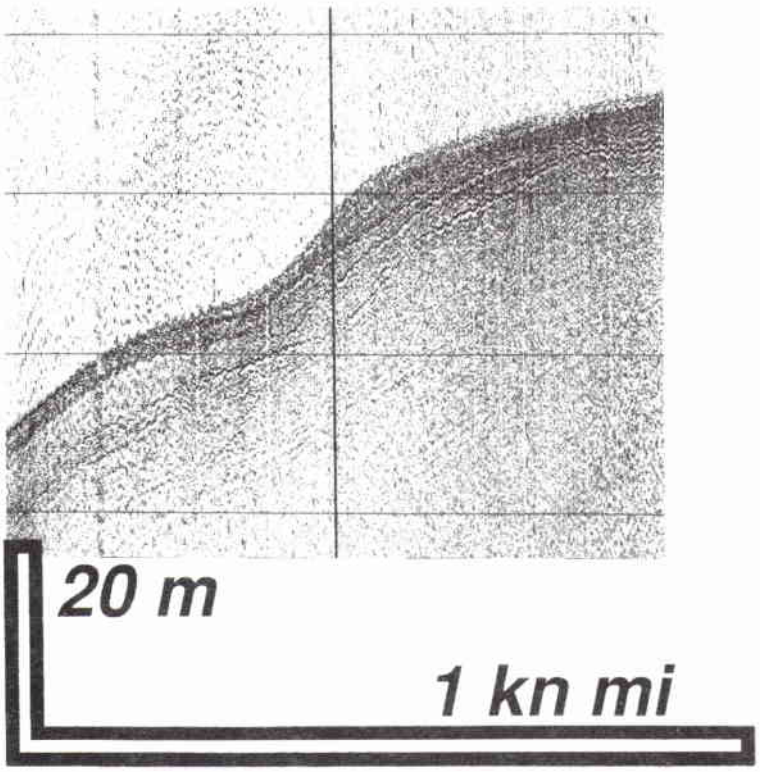


Figure 14a *Sparker. Shoulder of northern flank of Mallorca Plateau. Thin recent sediment wedge prograding out onto shelf shows the depositional nature of the slope break. Lower in succession faulting appears to dramatically thicken the uppermost slope sediment unit (2) that passes below the recent sediment shoulder wedge. Arrows show interpretation of the displaced surface.*

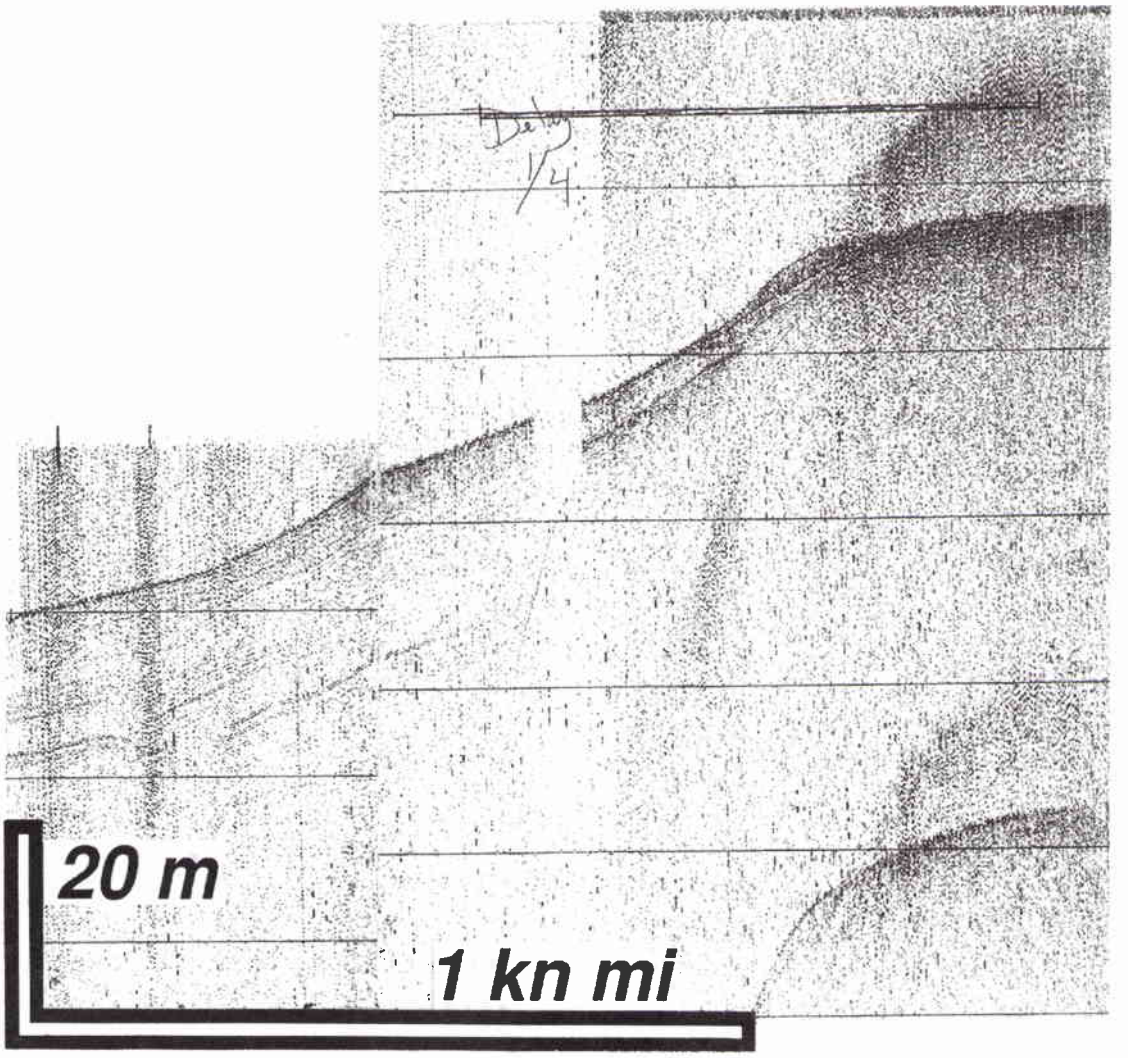


Figure 14b *Sparker. Same shoulder wedge of sediment about 1 km E of Fig. 14a along slope. Note off-lap nature of sediment shoulder, indicating active erosion was proceeding on the plateau, washing sediments off. Note also geometric complexity or bending of surface may indicate recent tectonism, vertically distorting even the most recent sediment wedge.*

7
Sedimentary basin

Passing NE–SW across the northern part of the area is a sedimentary basin filled with flat lying sedimentary rocks older than the recent sediment cycle. This sedimentary basin is a structural entity along the north side of the platform that was filled with sediment as the north side dropped down on a NNE–SSW trending fault. This basin faulting is no longer active and the basin is no longer a locus of recent sedimentation. It forms a dramatically different acoustic sub-basement to the Recent sediments.

The passage from seismically featureless rocks of the acoustic basement gives way suddenly to bedded sediments at what is likely the faulted southern margin of the basin (Fig. 15, 16). The northern margin of the basin is almost abrupt, with the flat plateau surface passing unbroken from recent sediments filling irregularities in the strongly buried sediments onto a flat surface eroded into the seismically featureless acoustic basement (Fig. 17). To the north, however, this northern acoustic basement is seen to be well bedded on the deeper penetrating Sparker (Fig. 18). Sediments within the basin are strongly bedded, with clear non- or unconformable surfaces. Weak channeling occurs in the lowermost sediments observable on the Uniboom records (Fig. 19, 20). Filled, buried channels, with thin sediment wedges prograde from the south (the direction of the central arch of the plateau) toward the edge of the plateau (Fig. 21). Existence of a northward prograding sediment wedge (Fig. 21. Unit 2) across the downbend indicates that the down bending is more recent, and probably related to subjacent fault movement. Slight thickening of Units 1 and 2 suggest down bending was proceeding during sedimentation of both sediment wedges. The uppermost sediment surface reflects the position of this downbend, indicating that it may have a neotectonic component, below the modern bottom, that here appears to be an erosional surface.

Sediments within the basin wedge out beneath a strong unconformity within the uppermost intra-basin sediments (Fig. 22). This unconformity can be traced out of the basin where this same unconformable surface forms the erosional surface on the top of acoustic basement (Fig. 9). The character of the eroded surface of the upper sediment series within the sedimentary basin suggests that these sediments are at least partly lithified. Relieve on this erosional surface is about the same as on the acoustic basements, and recent sediment infill also has a similar character. The sediments appear to have a strong impedance contact with recent sediments, suggesting a high-velocity, more rock-like character. It is likely that these sediments are similar to the interbedded shallow-water dolomites and limy sandstones seen onshore near Palma de Mallorca (personal inspection).

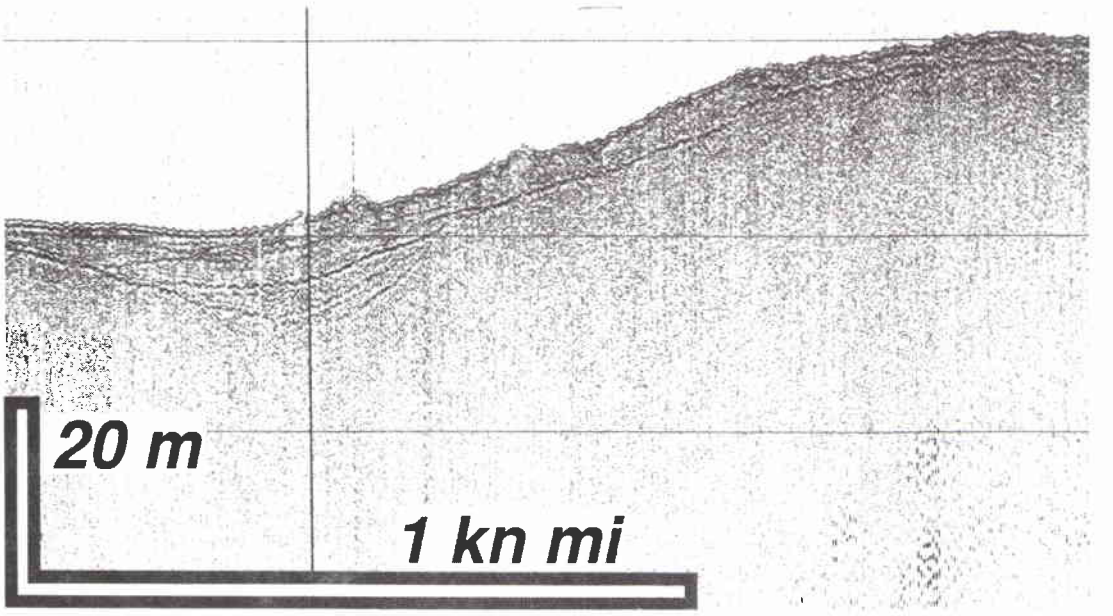


Figure 15 *Uniboom. Southern margin of the sedimentary basin showing likely thin layer of sediment, having knobby surface at the basin margin, passing from acoustic basement out over the complexly bedded sediments within the sedimentary basin.*

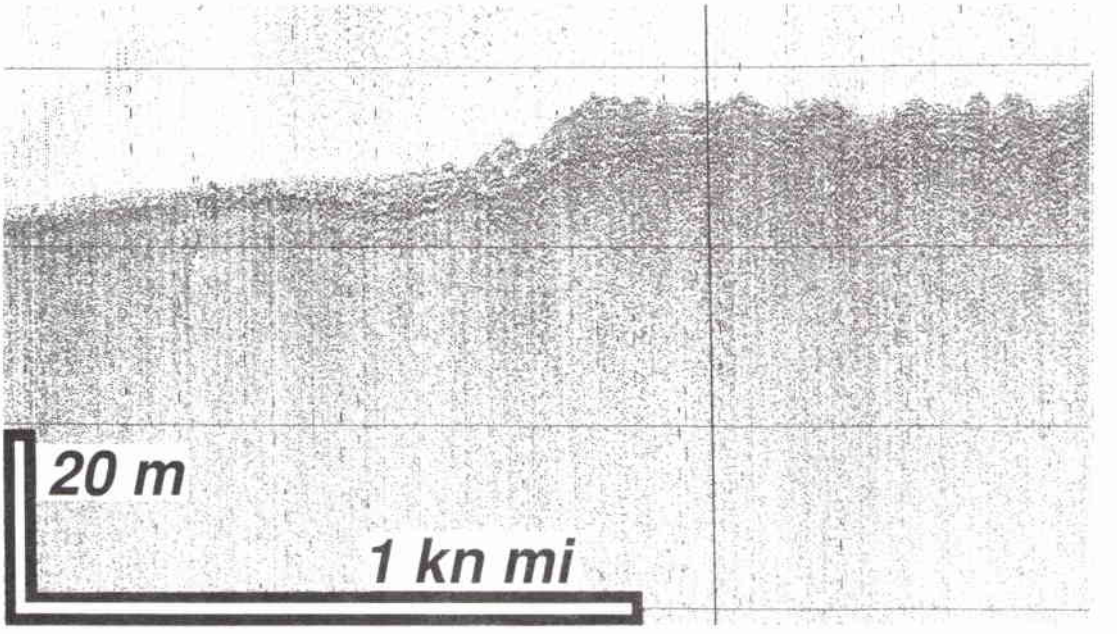


Figure 16 *Uniboom. Southern margin of the sedimentary basin showing rough acoustic basement standing above the flat-floored sedimentary basin. Surface expression of a faulted margin with north side (left) down dropped toward platform margin.*

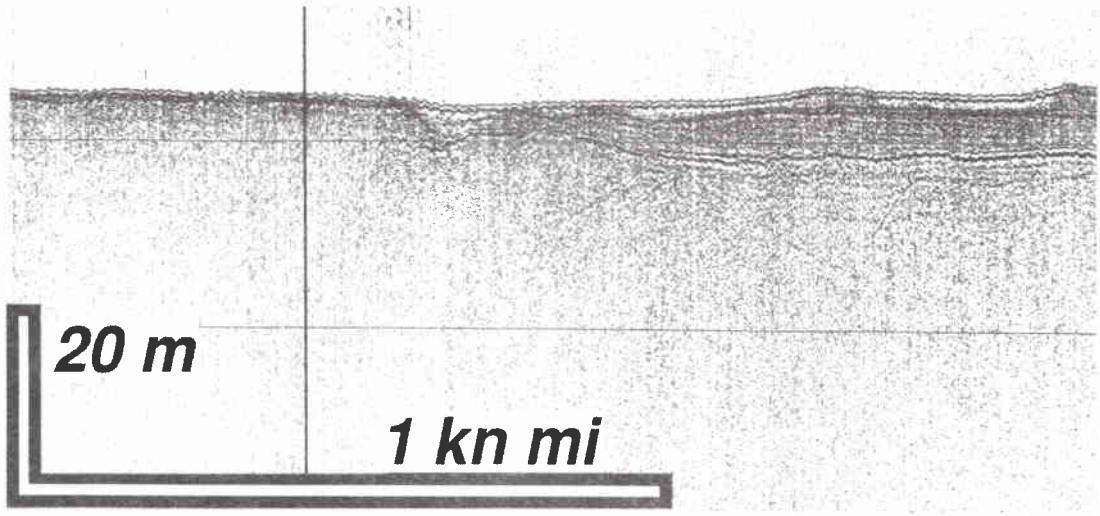


Figure 17 *Uniboom. Northern margin of the sedimentary basin. Note multiple unconformities within sediments of the acoustic basement.*

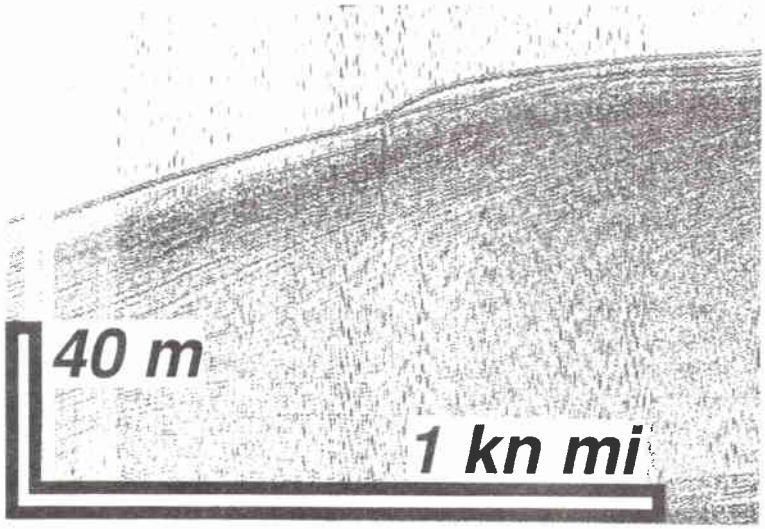


Figure 18 *Sparker. Northern margin of the Mallorca platform showing bedded sediments continuing to depth. Note recent sediment wedge. Compare with Fig. 17.*

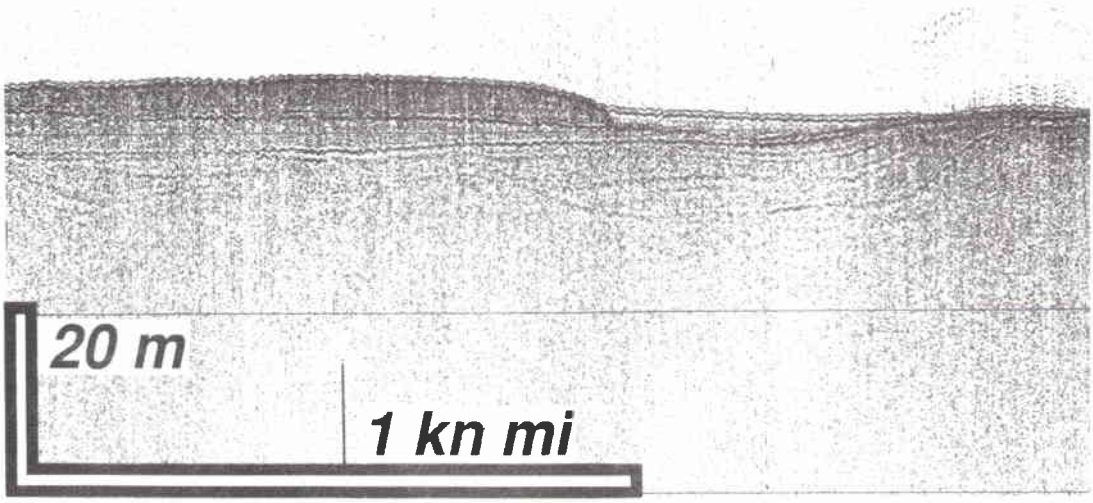


Figure 19 *Uniboom. Bedded sediments within the sedimentary basin showing erosion into low bluff-like relief. Low areas are filled with slightly lighter recent sediment pools (also in Fig. 17).*

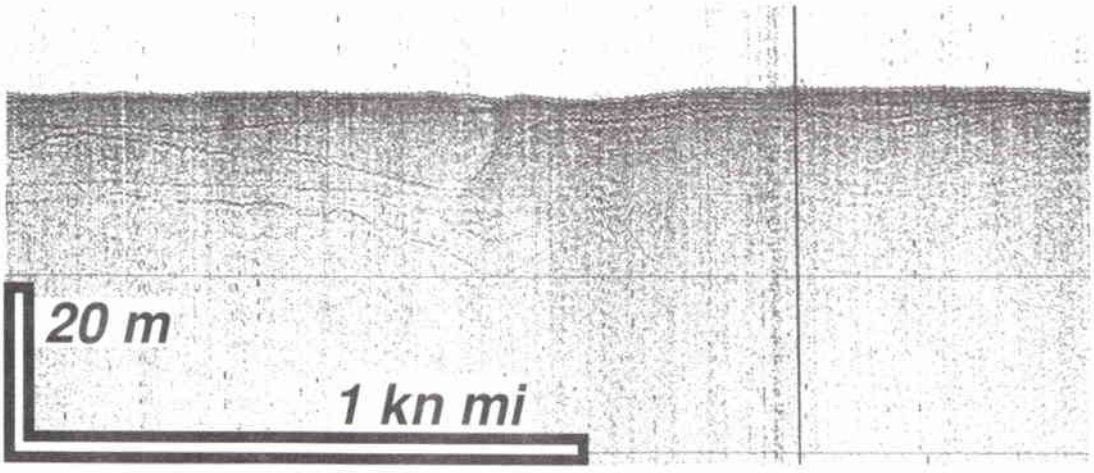


Figure 20 *Uniboom. Complex bedded sediments within the sedimentary basin.*

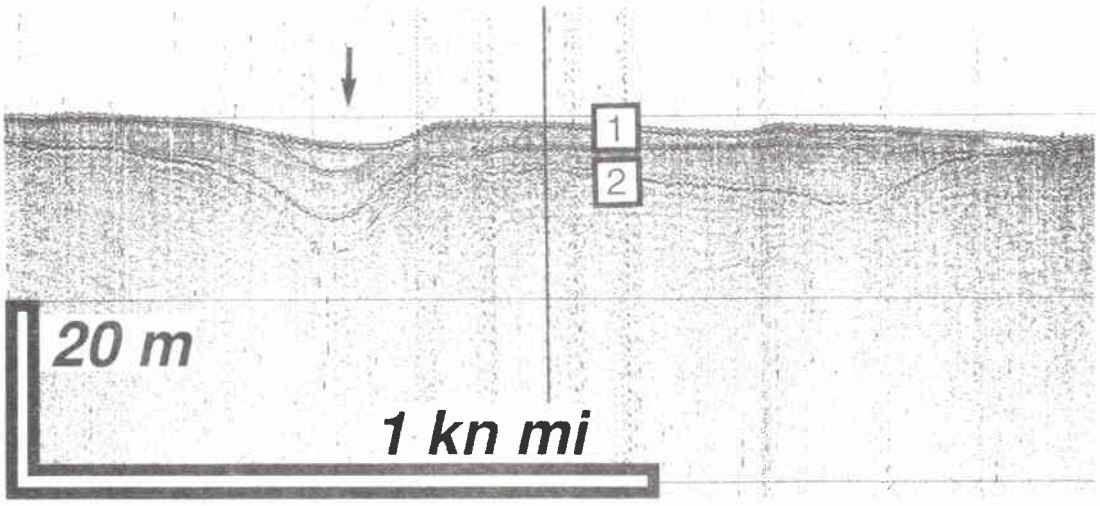


Figure 21 *Uniboom. Complexly bedded sediments in the central part of the sedimentary basin. Note increasing arcuateness of sediment infill of buried channel downward. Note also that a sediment wedge prograding from the south (right to left) passes across the downbend (tip of wedge at arrow). Downbend is probably due to subjacent fault movement that opened a small transtensional feature.*

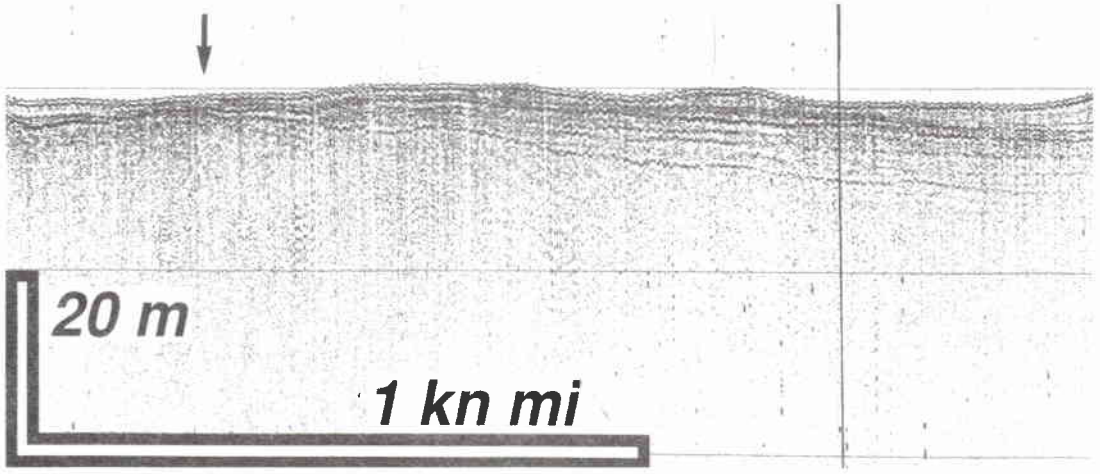


Figure 22 *Uniboom. Sediments in basin wedging out at southern basin margin (at double headed arrow symbol). Uppermost unit of sediment (Unit 1) appears to pass across the main unconformity beneath the strongly bedded sediments of the basin margin, and onto acoustic basement (heavy line below 1 shows base of the upper, presumably recent sediment cover that passes from overlying sediments within the sedimentary basin to the acoustic basements). Tip of sediment wedge at single headed arrow.*

8

Surficial sediments

Amor and Cruellas (1967) carried out sediment sampling studies around the northern Balearic archipelago, and found that the sandy sediment on the Mallorca platform was dominated by calcareous fragments regardless of the distance from shore. Our observations have confirmed that these sands are dominated by locally derived, and often fresh, shell hash. Oliver and Massuti (1975) showed a seafloor sediment map in which sands and more coarse sediments were confined to the inner shelf mainly above 125 m. Rey and Medialdea (1989), however, show sands flooring the seafloor to the SW of Mallorca to more than 500 m water depth. This representation of bottom type is supported by our sampling program, which found sands and coarse sands everywhere on the platform and its edge.

The distribution of sand and coarse sand shown by Oliver and Massuti (1975) has not been confirmed by our survey. From the side-scan records, it appears that sediment reflectivity, and hence, sediment coarseness and probably carbonate content, is related to the presence of acoustic basement exposures.

Grab and core samples were taken (Appendix A) (Fig. 3) and analyzed subsequently at SACLANTCEN. Visual examination on board indicated that the entire outer shelf is made up of medium to coarse sands composed mainly of shell fragments and minor coralline algae. Much of the shelly material was fresh, and larger fragments were strongly angular, having elongation ratios of up to 10:1. Some fine gravel and coarse sand clasts appeared to be quartzo-feldspathic, and thus not derived as part of the biological cycle of the platform. Detailed analysis of the samples further quantifies field observations.

Well-defined pockmarks are small, never more than 5 m across, and only occur in a few clusters (Fig. 23). They occur over both types of acoustic basement and the sedimentary basin. Gas and fluid that formed them had to generate from below the thin recent sediments.

No sedimentary structures such as sand waves, large ripple fields, wash-outs, or current obliteration of pockmarks were observed. Apart from dispersion halos of shell hash and other clastic material around rock mounds serving as habitats for calcareous fauna (Fig. 24), no current features were observed. The shelf is apparently swept almost clean by bottom currents. On the other hand, man-made features in bottom sediment are dramatically manifested locally. Along all of the upper slopes and at the slope breaks from the flat shelf, extensive trawling parallel to the slope has completely scarred the sediment surface (Fig. 25). Apparently fishermen use

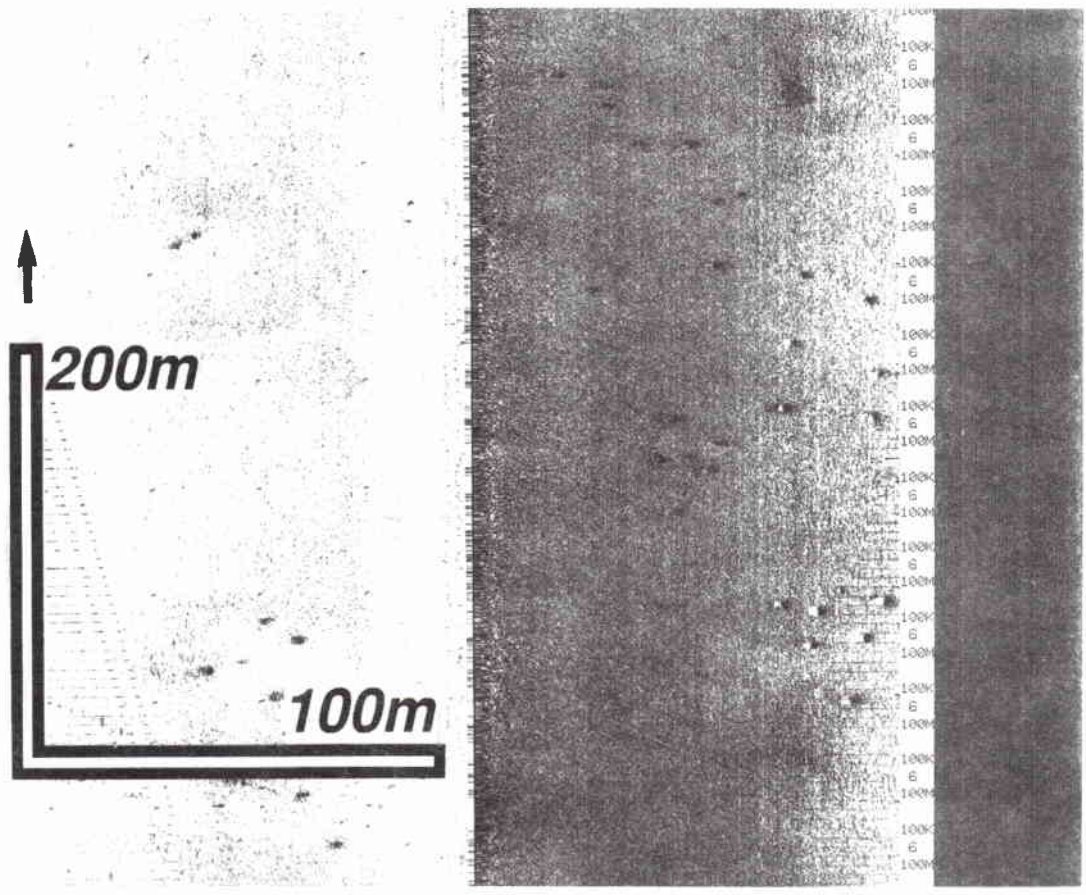


Figure 23 *Sonargraph. Sonargraph pockmark cluster. Shadow toward ship indicates the feature is a depression. Opposite wall is darker and more strongly reflective than the flatter seafloor around. Dewatering during pockmark formation may have caused sediment within the pockmark to become more reflective owing to increased density and consequent reflection coefficient. Pockmarks are sub-circular, about 3–6 m across with calculated depths of between 2–4.2 m. Note 2× scale distortion.*

their depth sounders to control their trawling, recovering their nets and trawls when they breast the plateau, with its scattered rock and thin sediment bottom.

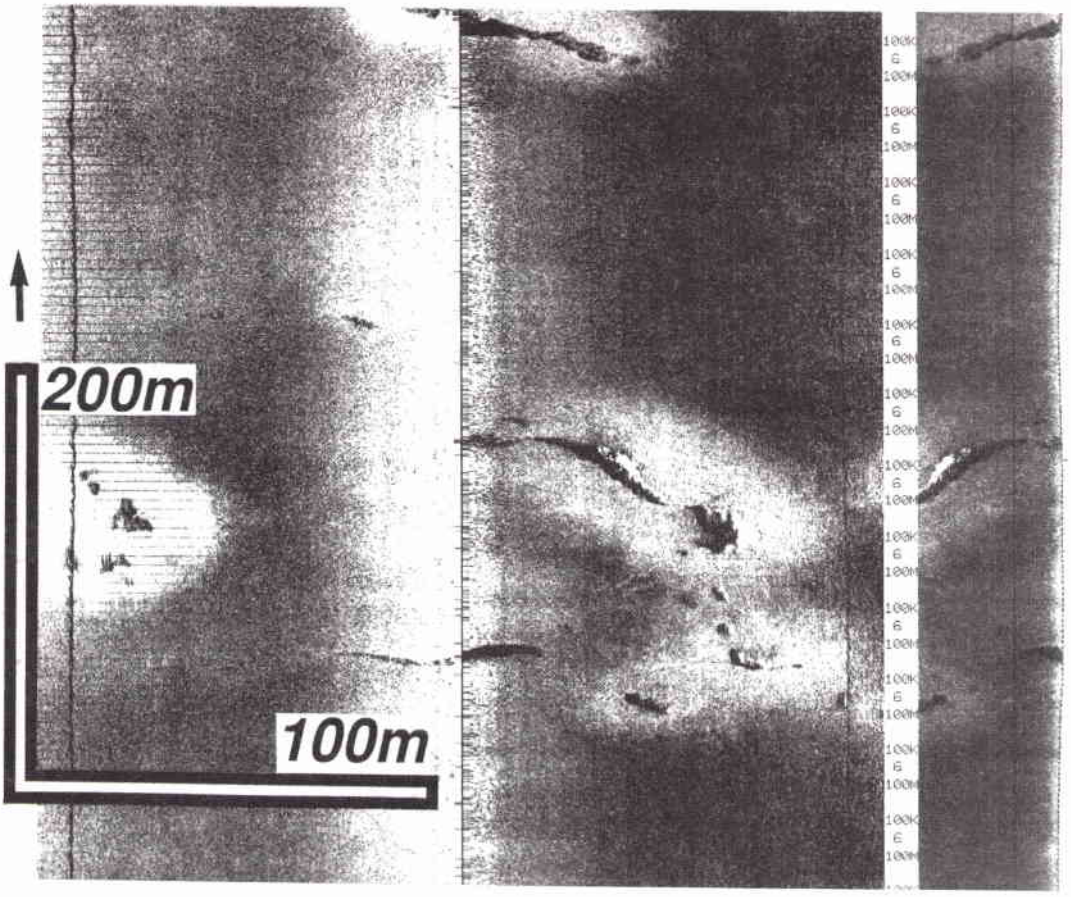


Figure 24 *Sonargraph. Upstanding rock ridges.*

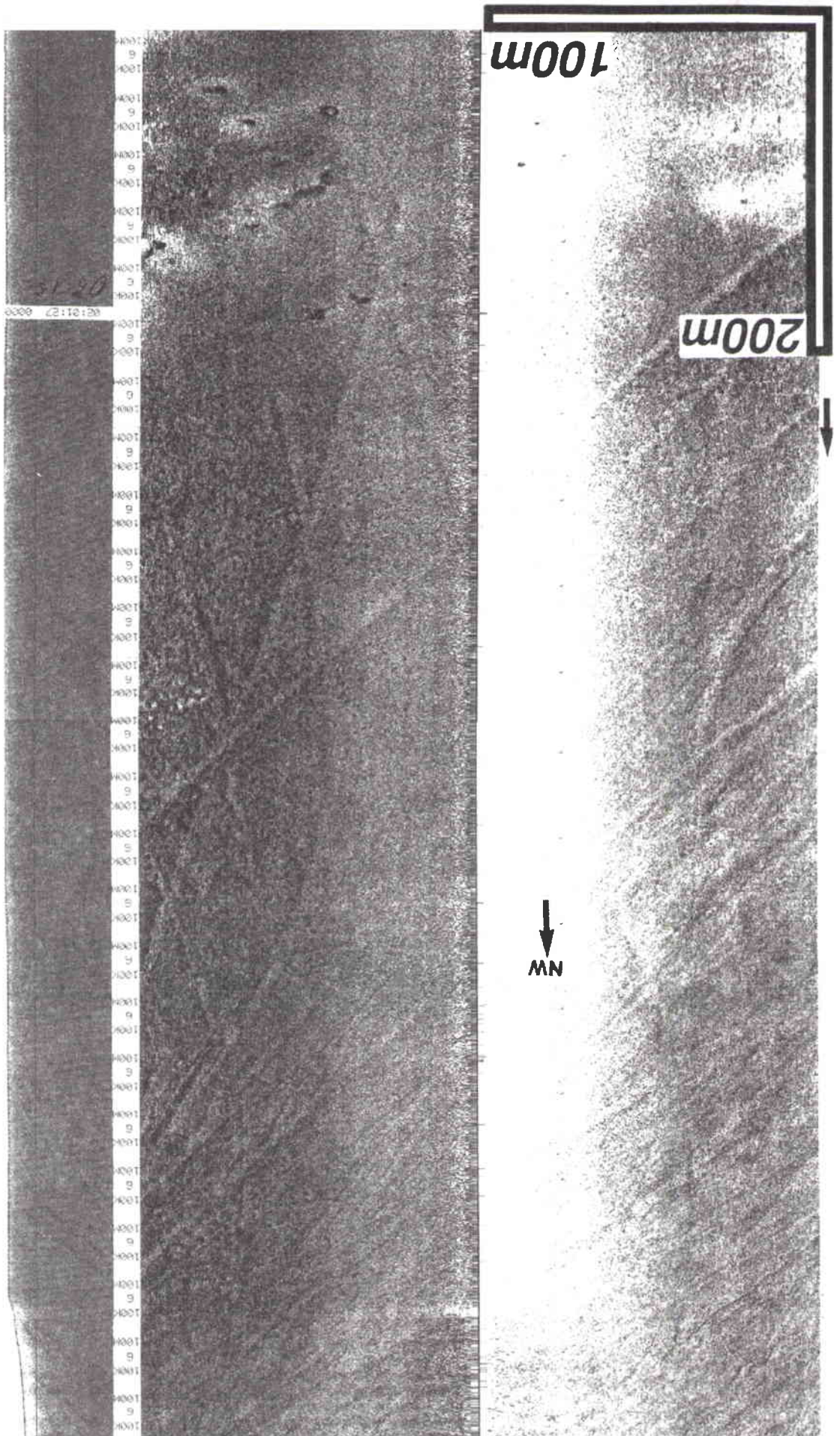


Figure 25 *Sonargraph of trawl marks at, and below, the slope break. These were seen on all the side-scan records of slope break crossings. Fishermen appear to trawl along the slope using depth sounders for position and pull the trawls along slope. On reaching the shelf, on which they are apparently aware the sediments are thin and rock is locally present, they recover their trawls.*

9

Core descriptions

Stratigraphy, or the graphical representation of vertical variation of observable properties in the cores, is one of the most useful sets of primary data (Appendix B.1.). The first order elements are determined entirely by visual inspection of the macroscopic properties immediately following color determination. Observations such as any well defined horizons and biological activity are graphically combined with a compilation of the size fraction analytical results (Shepard, 1954). There appears to be no individual sand bed at any specific depth, which can be correlated between all the holes, which is not surprising considering the thinness of the sediments.

Color of sediment material can indicate if sudden changes took place in the depositional environment, or if a particular type of anomalous sediment, such as sand from a heavy dust storm or volcanics, was deposited (Appendix B.2). Continuity of color indicates not only stability of the geochemical and geobiological environment, but also the likelihood that the like colored sediments have a related provenance and history. The lack of any significant color changes can be used to infer that other sediment properties should also be similar or alter predictably with depth.

Immediately upon splitting of the core, while the core was still wet with its ambient sea water, color was determined, usually at the same 10 cm intervals that the grain-size analysis samples are taken. Color was determined using natural sunlight (at La Spezia, Italy). Numerical and color naming was carried out following Munsell (1990). The indicated color changes are very slight The color, except for thin carbonaceous bands, is normally green-brown gray and indicates a well oxygenated, biota-rich sediment.

10

Surficial sediment analyses

Not all analytical parameters that comprise a complete sediment were determined for these specimens (Tonarelli et al., 1994) (Table 1). This shortened analytical schedule was implemented to allow rapid analysis of those parameters thought most relevant to the experiment. Only grain size analyses and acoustic velocity testing was carried out. Color and stratigraphy of the cores has also been recorded. Calcium carbonate content, porosity, water content, wet density, dry density, void ratio and density ratios have not been measured or calculated.

Grain size analyses required three separate sub-analyses.

Table 1 *Core and grab samples. Figure 3 for locations of sample numbers in: (n)*

Grab samples

Grab	Lat.	Long.	Date
2543	39° 32.61′ N	02° 14.04′ E	08/03/93
2544	39° 31.87′ N	02° 05.58′ E	08/03/93
2545	39° 26.77′ N	02° 12.32′ E	08/03/93
2546	39° 37.25′ N	02° 12.80′ E	08/03/93

Core samples

Core	Lat.	Long.	Date
(1) 267	39° 26.11′ N	02° 12.33′ E	08/03/93
(2) 268	39° 25.69′ N	02° 14.00′ E	13/03/93
(3) 269	39° 29.76′ N	02° 13.74′ E	13/03/93
(4) 270	39° 33.36′ N	02° 13.73′ E	13/03/93
(6) 271	39° 24.86′ N	02° 15.10′ E	18/03/93
(7) 272	39° 25.09′ N	02° 08.84′ E	18/03/93
(5) 273	39° 37.35′ N	02° 13.75′ E	13/03/93

The first sub-analysis was by the pipette method, which mainly determines clay content. It calculates the fall of the particles in accordance with Stoke's Law. First the sample is sieved and then dampened with a dispersing solution and the mixture passed through a fine sieve (62.5 microns, phi 4.0). The suspension is then passed

through the pipette. After 5 days of settling in the standard fluid, the phi 11, 12, and 13 size fractions (fine and very fine clay) were determined.

The second sub-analysis was carried out using a sedigraph, Model 5100, which uses analyzed soft x-ray emission to detect relative particle size amounts. This instrument also uses Stoke's Law and the settling rate of the particles in a standard fluid to determine size fraction percentages. With this method the size fractions from 0.8 to 70 microns (silt and medium to coarse clay) are determined.

The third sub-analysis uses sieving techniques to determine the coarser fraction. Sieves conform to the ASTM E11 standard within a mechanical multi-axis sieving machine. The portion of the sample remaining in the sieve (after the initial sieving) above phi 4.0 (fine sand to gravel) is sieved in a sieve stack in the machine. A sieve for every quarter phi from phi 4.0 to -2 and a sieve for every phi from -2 to -4 separates the fractions. Each fraction is then weighed on a precision scale.

The data from the three separate sub-analyses are tabulated within a spreadsheet and the data is numerically analyzed . Results are presented in a number of ways:

1. Particle size in phi or fraction of phi,
2. Weight in grams corresponding to phi data,
3. Percentage of the raw numerical values.
4. Cumulative percentage of the sediment in terms of phi size.

In addition, calculation of statistical moments are made using 7 phi separates corresponding to size (i.e., 5%, 11%, 25%, etc.). The Folk (1974) values for: mean, standard deviation, skewness or asymmetry, kurtosis and normalized kurtosis and the Inman values for: median, mean, standard deviation, two methods for finding standard deviation of skewness and kurtosis are also calculated.

The detailed results have been plotted for each sample (Tonarelli et al., 1994) as both weight percentage histograms and cumulative weight percent versus phi size 14 through -4. Also included on the plots are gravel, sand, silt, and clay percentages in histogram form, and the statistical moment and Folk values. In this memorandum, however, the analyses have been simplified (Tables 4a–f, 5; see later, Sect. 14) to gravel ($>$ 2 mm; $>$ phi -1); coarse sand (2 mm–0.50 mm; phi -1 to 1); medium to fine sand (0.50 mm–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles ($<$ 0.0625 mm; $<$ phi 4).

11

Sound velocity and relative sound velocity

Compressional wave sound-velocity measurements were carried out on cores on the *Alliance* at sea during the course of the experiment. This was done to achieve the most realistic velocities representative of the sediment in the seabottom. Mixing and disturbance of the sediment during the coring process, along with observed settling of fines into the surface layer clearly indicate that these velocities are only an indication of sediment seismic velocities in the bottom. However, the sediments are dominated by course size fraction which has a relatively small compaction range, with respect to finer grained sediments which can shrink to 15% of their volume with compaction. Thus the grain boundary contacts which control V_p in a resettled sediment can be expected to be similar to uncompacted seabottom sediment, and these velocities can be regarded as a realistic approximation of seabottom velocity. Dry density was also determined for those cores (Table 2), mainly at those levels, where seismic (V_p) velocity was determined.

Velocities were slightly faster for these carbonate sediments than for sandy siliceous sediments (Hamilton, 1971). Full computer analysis of the onboard measurements coincided as a group with the on-board calculations (Appendix D).

Velocities were measured at a number of intervals through each core liner containing the sediments in order to minimize disruption of the sample. Velocities of the sediments were measured using the pulse technique. Measurements were taken at 5 cm intervals along the cores. Where possible, the core levels where sonic measurements were taken correspond to subsequent sample locations for sediment analysis and mass property determinations.

External reference for the velocity determinations was made using time delay measurements through the sediment plus its liner and an identical liner containing distilled water, using a digitizing oscilloscope (HP model 5183T/4). Acoustic signals were generated and received by two identical transducers (similar to model USI-103) (Richardson et al., 1987) consisting of a ceramic disc mounted on a brass casting support. The ceramic discs, resonating in the thickness mode at 400 kHz, have a diameter of 25 mm and are 5 mm thick. These ceramic discs are attached to a brass support by epoxy resin and protected with a neoprene hemispherical boot filled with castor oil. Further improvements in acoustic coupling is obtained by applying a wetting agent to the other surface of the neoprene, before forcing the transducers onto the core liner. Pulses at 400 kHz and 20 μs duration, every 20 ms, were transmitted through cores and distilled water. The difference between these two time delays were used to calculate sediment compressional wave velocity according to an established

SACLANTCEN formula (Richardson et al., 1983). Cores from no. 247 to 258 were measured with the above system.

Modeling and processing of the acoustic experimental data has been carried out (Caiti et al., in preparation).

Table 2 *Compressional sound velocities measured on cores; (Depth only shown where depth of density measurement is different)*

Depth (cm)	V_p (m/s)	Dry density
Core 267, Bottom depth 117 m		
05.0		2.74
09.0	1604.6	
10.0		2.76
15.0	1604.6	2.73
25.0		2.75
25.0	1599.3	
Core 269, Bottom depth 105 m		
10.0	1604.4	2.76
18.0	1620.6	
20.0		2.73
25.0		2.73
30.0	1615.2	2.73
40.0	1615.2	2.69
55.0		2.72
58.0	1631.6	
60.0		2.73
Core 271, Bottom depth 112 m		
01.0		2.70
03.0	1593.9	
05.0		2.76
10.0		2.74
18.0	1615.3	
30.0		2.74
33.0	1615.3	2.72
35.0		2.74
45.0		2.72
48.0	1620.8	
50.0		2.74
60.0		2.73
63.0	1537.8	
65.0		2.73
Core 272, Bottom depth 135 m		
10.0	1649.0	2.72
20.0	1621.2	2.71
30.0	1626.6	2.73
40.0	1626.6	2.72
50.0	1649.0	2.66
55.0		2.74
58.0	1666.1	
60.0		2.75

12
Experiment sites

Two experiment sites near each other were occupied, one during each half of the experiment. At the first geophone site, a veneer of sediment fills roughness in the underlying rockhead to produce a very gently, smoothly south-sloping surface. A detailed survey was done over the proposed site selected from the area survey near the southern end of the line. This involved a number of E–W, close-spaced lines, which crossed the proposed N–S long experiment line (Fig. 26) The experiment was located in the approximate center of a flat seafloor covered by recent sediment (Fig. 27, 28), with only a few contrasts in reflection and sediment type and some isolated pock marks . Fields of outcropping acoustic basement are common in all directions except to the north, but nowhere comprise more than about 5–10% of the bottom area. Almost no acoustic shadows occur from these areas adjacent to the site. Thus, outcropping acoustic basement would appear to be formed from low, rounded bosses peaking through the sediment cover. Much of the dark, patchy bottom associated with definite acoustic basement outcrop may only be highly reflective sediment. All bottom not clearly composed of recent sediment was regarded as inappropriate for the siting of equipment.

Dry density was calculated for comparison with Hamilton (1978). Even though changes in porosity affect the wet density, the calculated density from the core is likely to be close to its seabottom density because these course grained sediments are grain supported. Porosity was not calculated because this parameter changes the most between its natural state in the seafloor and the cores, especially as significant compaction of the cores had taken place between the time the velocities were measured and the laboratory work.

A wider range of physical properties was determined for Core 267 for comparison with other sediment types, but the values are not considered to be totally accurate with respect to actual bottom properties because of disturbances caused during the coring. The downward decreasing porosity, water content, and void ratio along with downward increasing wet density, may only be a function of compaction within the core. Note that dry density does not change appreciably, at least over the first 25 cm of the core, although the other properties do vary in a manner consistent with compaction. Tonarelli et al. (1994) show more analytical details from other cores that substantiate these observations.

Table 3 *Full measured properties from core 267 as representative of the wider range of bottom properties*

Depth	Wet Dens.	Porosity	Water Con.	Void Ratio	Dry Dens.
05	1.65	62.43	60.66	1.66	2.74
10	1.74	58.08	50.19	1.39	2.76
15	1.77	55.72	46.10	1.26	2.73
20	1.82	52.68	40.64	1.11	2.74
25	1.82	53.06	41.11	1.13	2.75

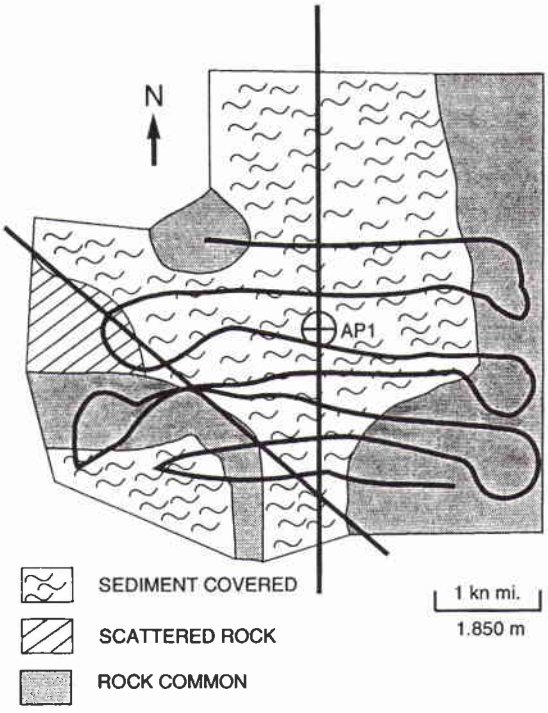


Figure 26 *Detailed site survey interpretation of sediment and rock cover. Also see Fig. 2. Heavy lines are ship's survey tracks. AP1 is experiment position one.*

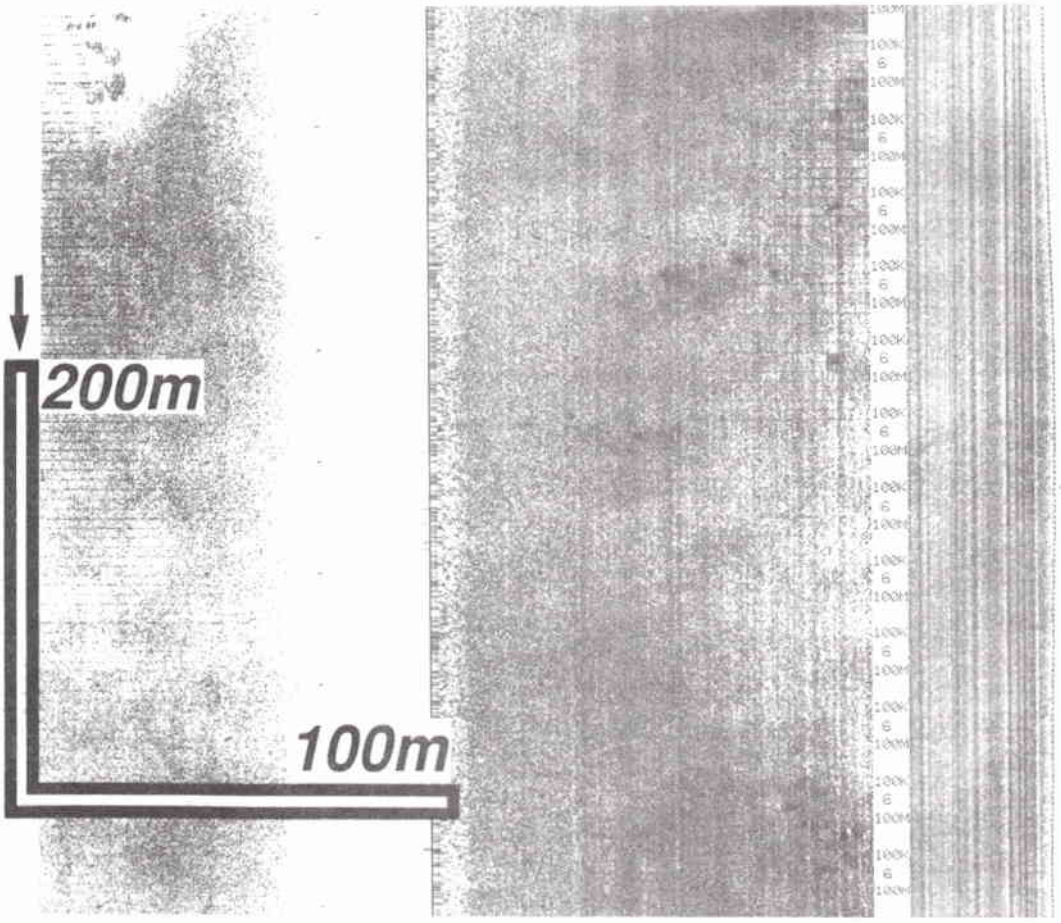


Figure 27 *Sonargraph. Almost flat seafloor at the recent sediment covered experiment site. None of the darker patches are upstanding. A few degraded pockmarks in otherwise smooth, sediment covered seafloor.*

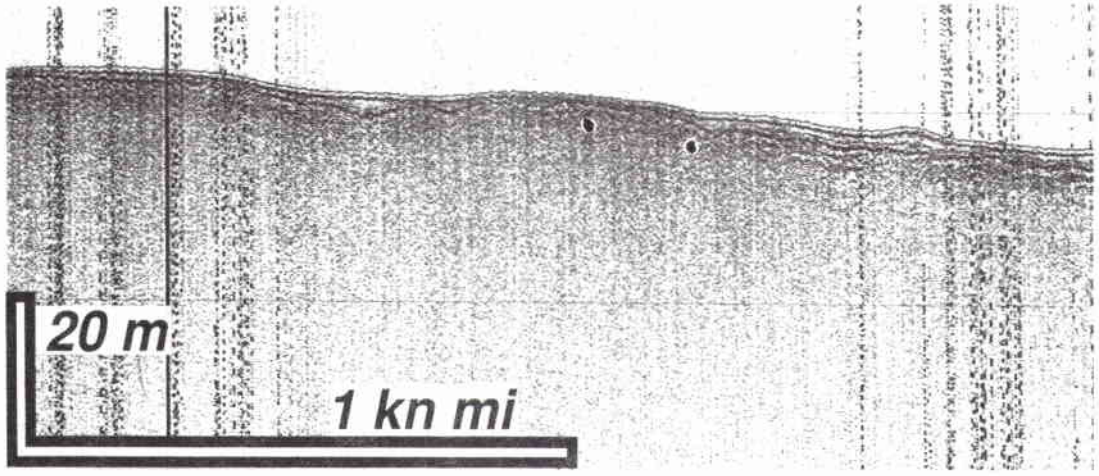


Figure 28 *Uniboom. Southernmost geophone site. Thin sediment filling rockhead roughness to produce a gently sloping, smooth surface.*

13

Main N–S experiment line

The main transmission-loss measurements were made along a N–S line to the north of the experiment site. The basement in this area is an almost flat eroded rockhead, covered in most places by a thin veneer of calcareous sediment that further smoothes the seafloor. Dark patches ranging from 3 to 15 m across are very slight depressions and possible shell banks with no upstanding relief (Figs. 4, 13). Well-defined rock ridges surrounded by lighter halos of less reflective bottom occur for about 0.8 km along track further north, but only occupy less than 5% of the seafloor and stand no more than a few metres above the seafloor. Several isolated ridges of rock lie NNE–SSW along the same trend as the tectonic northern boundary and the sedimentary basin trend (Fig. 29), but widespread rock exposure is only encountered just south of the sedimentary basin where the margin between the usually flat and smooth seafloor of the basin and the rougher rockhead to the south has a clear surface expression. Immediately to the south of the NNE–SSW trending sedimentary basin, rockhead roughness is greater, with local relief of about 2–3 m (Fig. 16). Several patches of exposed sedimentary rock within the basin (Figs. 3, 30) indicate that all but the most recent sediments display a lithified, rock-like character. Toward the edge of the slope rock is rare and the seafloor is generally smooth, even through there are darker patches and some pockmarks.

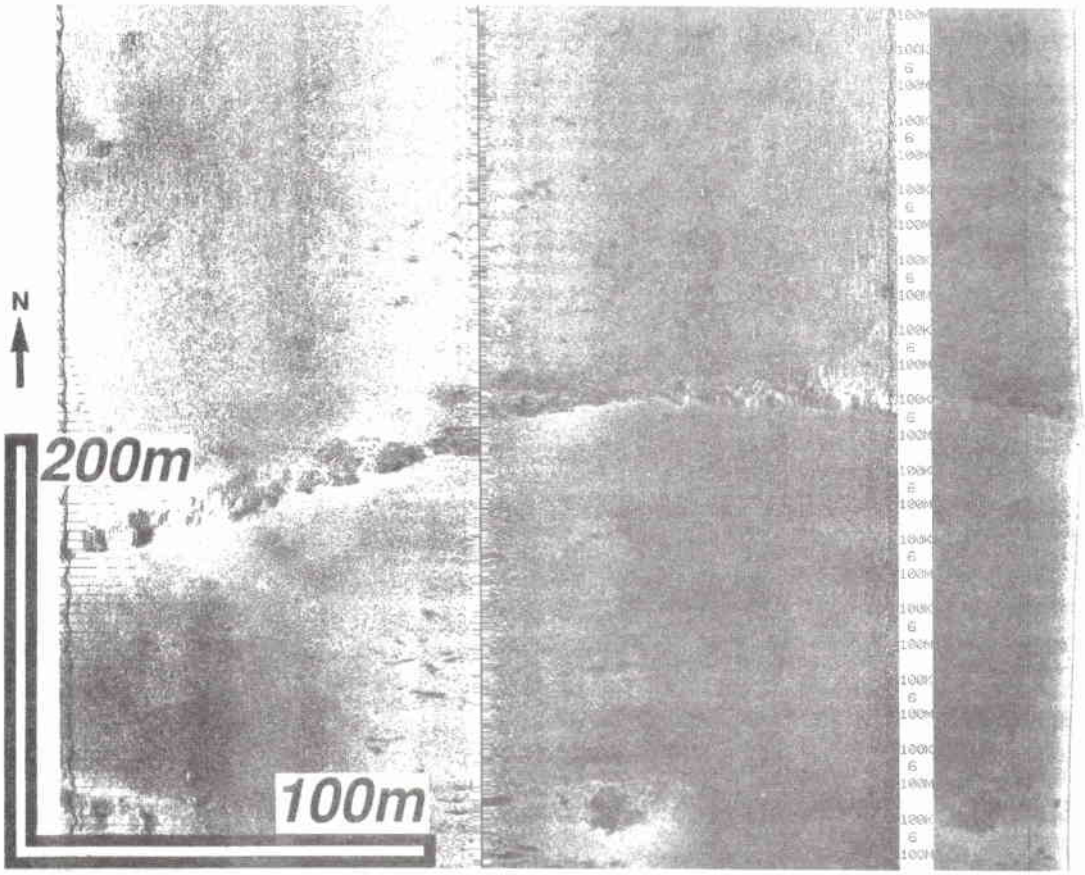


Figure 29 *Sonargraph. Line of upstanding rock lying about parallel to the NNE–SSW structural trend within acoustic basement.*

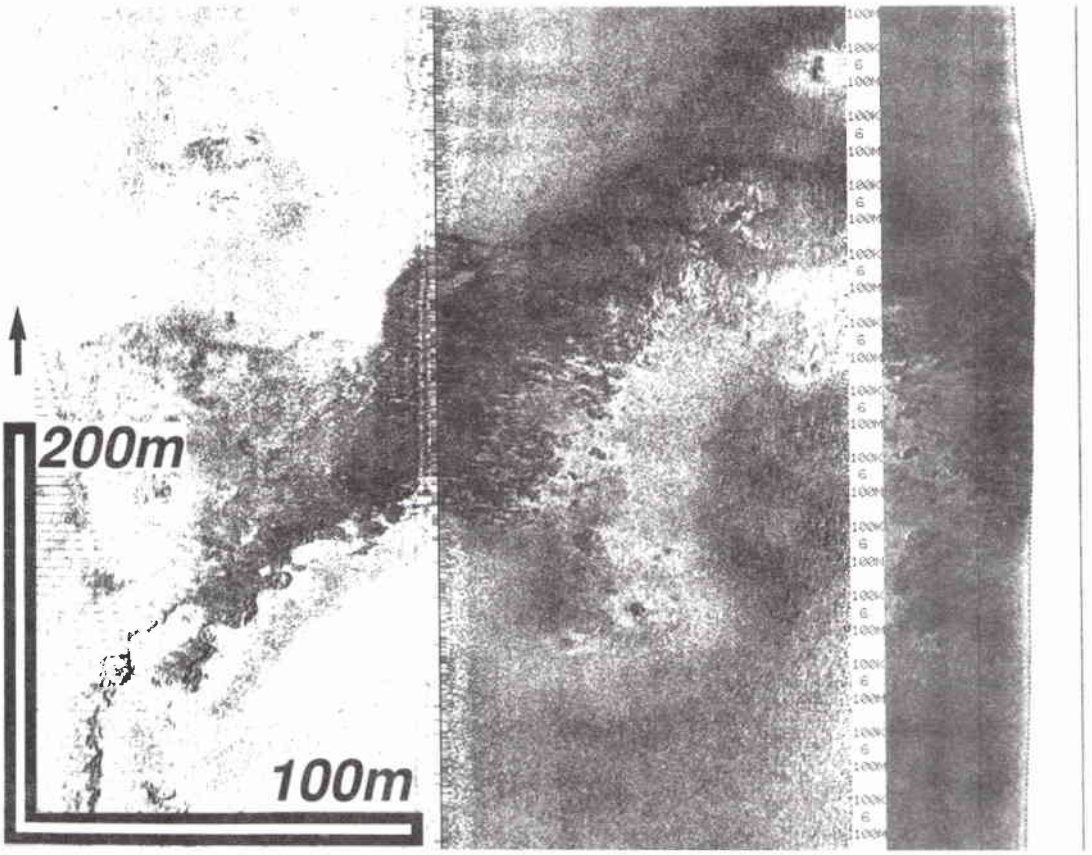


Figure 30 *Sonargraph. Upstanding sedimentary rock, possibly dipping to the SE, within the sedimentary basin.*

14

Detailed survey of short experiment line

An L-shaped track with a longer northward leg and a shorter westward leg were examined in detail to determine the reverberation character of the bottom in the vicinity of the second experiment site (Fig. 3). This survey line lay close to and across the earlier survey line and threw light not only on the detailed line, but on the older lines. It was necessary to attempt to resolve greater detail in the immediate sub-bottom because of the poor penetration and lack of internal detail from the earlier survey. Only the boomer was used, but in a different configuration from the earlier, more general survey, which was configured to be a compromise between immediate seafloor resolution and deeper shallow profiling information.

Confirmation was offered of interpretation from the earlier survey. A thin veneer of sediment appears to floor flat areas, but noticeable slope breaks may have little or no sediment cover (Fig. 31). The rockiest seafloor has relief of between 3 and 4 m (Fig. 32), but slopes remain gentle. The thin veneer of sediment smoothes the seafloor over rougher rockhead (Fig. 33). Sediment is usually no more than 1.5 m, except where depressions in the rockhead are filled.

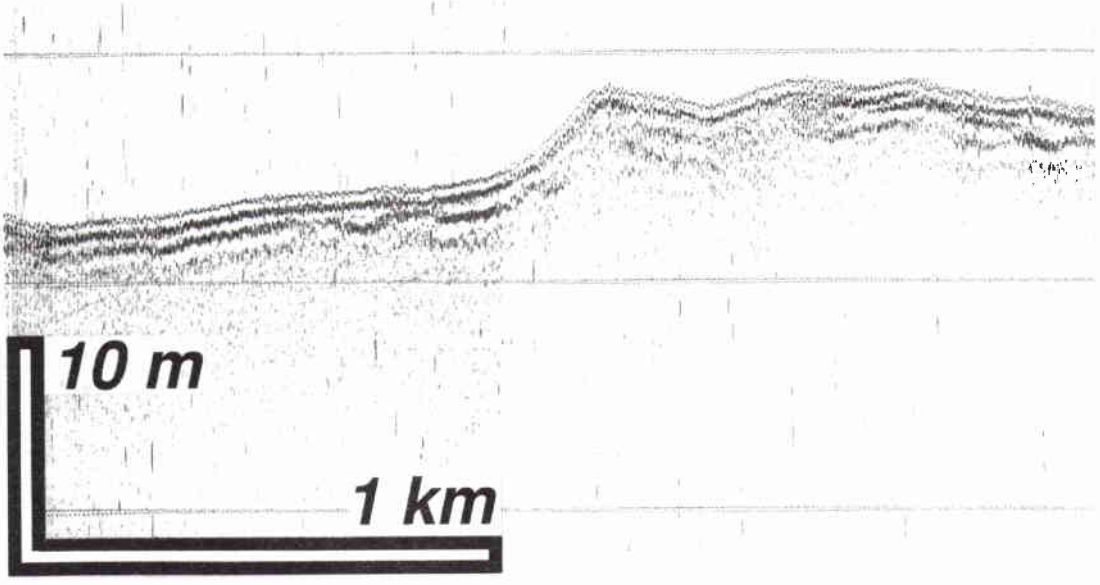


Figure 31 *High resolution Uniboom. Flat seafloor to the north (left) of a slope break in rock bottom.*

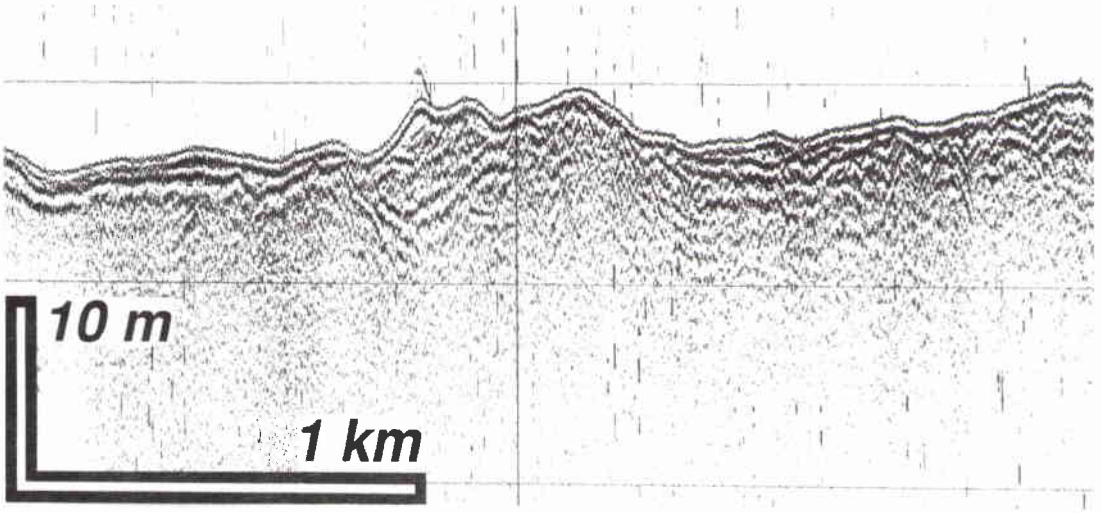


Figure 32 *High resolution Uniboom. Rockiest seafloor on the detailed short seismic reflection line (Fig. 2). Note vertical exaggeration restored results in a still almost flat seafloor.*

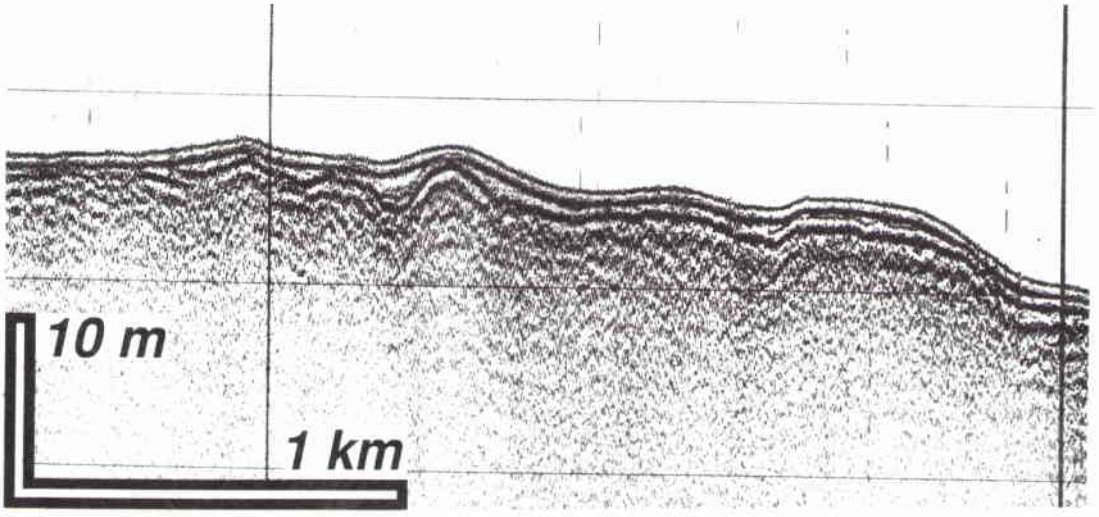


Figure 33 *High resolution Uniboom. Smoothing effect of sediment draping over jagged, but low relief, rockhead.*

Sediment composition The recent sediments are overwhelmingly composed of carbonate, especially in their course fractions (Tables 4a–f, 5). In all but a few cores less than 5% constitutes non-carbonate material. The gravel and sand grains are usually either calcareous algae, and less commonly, irregularly shaped shell fragments. As grain size decreases, calcareous material becomes more equidimensional and difficult to identify visually, but at least the fragmental or apparently clastic content is probably composed of more strongly worked algal and shelly material. The shelly and algal carbonate is almost certainly locally derived on the bank, and worked by strong bottom currents. Some original shelly material may date back to the rise of sea level and flooding of the bank following the most recent interglacial. Some of the finer grained material may be calcareous skeletal material deposited directly from the water column by settling.

Table 4a *Summary of sediment particle size analyses* [1] *and carbonate content from Cores 267–272*

Core 267						
Core depth (cm)	Gravel (%)	Coarse sand (%)	Medium fine sand (%)	Mud (%)	Total (%)	$CaCO_3$ (%)
01	0	0	01.7	98.3	100	
	0	0	01.7	82.5	84.1	←$CaCO_3$
05	0	08.1	50.7	41.2	100	
	0	07.9	49.2	36.4	93.5	←$CaCO_3$
10	0	22.8	63.9	13.3	100	
	0	22.0	62.4	11.7	96.1	←$CaCO_3$
15						
					96.4	←$CaCO_3$
20	0	32.1	44.8	23.1	100	
	0	30.9	43.1	19.2	93.2	←$CaCO_3$
25						
					89.3	←$CaCO_3$
30	0	37.3	49.4	13.3	100	
	0	35.9	46.2	12.4	93.6	←$CaCO_3$
35						
					91.2	←$CaCO_3$
40	08.3	40.5	40.4	10.8	100	
	08.1	39.2	39.4	08.4	95.2	←$CaCO_3$

[1] Size fractions are: gravel (> 2 mm; > phi −1); coarse sand (2–0.50 mm; phi −1 to 1); medium to fine sand (0.50–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles (< 0.0625 mm; < phi 4).

Table 4b *Summary of sediment particle size analyses* [1] *and carbonate content from Cores 267–272*

Core 268						
Core depth (cm)	Gravel (%)	Coarse sand (%)	Medium fine sand (%)	Mud (%)	Total (%)	$CaCO_3$ (%)
01	0	0	4.2	95.8	100	
	0	0	4.0	84.2	88.2	←$CaCO_3$
05	0	11.3	73.3	15.4	100	
	0	11.1	71.8	14.1	97.0	←$CaCO_3$
10	9.7	41.6	39.6	9.1	100	
	9.5	41.1	38.6	8.1	97.3	←$CaCO_3$
15						
					96.6	←$CaCO_3$
20	11.8	33.5	39.6	15.1	100	
	11.5	32.4	38.3	11.4	93.6	←$CaCO_3$
25						
					92.6	←$CaCO_3$
30	14.9	20.6	28.2	36.3	100	
	14.6	20.1	27.5	29.5	91.7	←$CaCO_3$
35						
					96.3	←$CaCO_3$
40	27.3	28.4	28.5	15.8	100	
	26.8	27.6	27.9	13.9	96.2	←$CaCO_3$
45						
					97.3	←$CaCO_3$
50	40.3	27.9	26.0	5.8	100	
	39.8	27.4	25.5	2.9	95.6	←$CaCO_3$
55						
					96.7	←$CaCO_3$
60	36.4	31.6	24.6	7.4	100	
	36.1	30.9	24.0	6.2	97.2	←$CaCO_3$
65						
					96.3	←$CaCO_3$
70	73.0	15.4	8.6	3.0	100	
	71.1	15.1	8.4	1.3	95.9	←$CaCO_3$
75						
					96.4	←$CaCO_3$
80	58.0	22.6	16.6	2.8	100	
	56.7	22.1	16.2	1.2	96.2	←$CaCO_3$

[1] Size fractions are: gravel (> 2 mm; > phi −1); coarse sand (2–0.50 mm; phi −1 to 1); medium to fine sand (0.50–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles (< 0.0625 mm; < phi 4).

Table 4c *Summary of sediment particle size analyses* [1] *and carbonate content from Cores 267–272*

Core 269						
Core depth (cm)	Gravel (%)	Coarse sand (%)	Medium fine sand (%)	Mud (%)	Total (%)	$CaCO_3$ (%)
01	0	0	0	99.9	100	
	0	0	0	86.4	86.4	←$CaCO_3$
05	0	0	05.1	94.9	100	
	0	0	05.0	82.7	87.7	←$CaCO_3$
10	0	22.7	45.6	31.7	100	
	0	22.7	45.1	25.4	93.4	←$CaCO_3$
15						
					95.0	←$CaCO_3$
20	0	41.9	30.5	27.6	100	
	0	41.3	29.7	21.4	92.4	←$CaCO_3$
25						
					91.7	←$CaCO_3$
30	05.9	34.3	21.2	38.6	100	
	05.9	33.5	20.5	32.0	91.9	←$CaCO_3$
35						
					92.0	←$CaCO_3$
40	13.3	32.7	20.1	33.9	100	
	13.3	32.4	19.1	27.5	92.3	←$CaCO_3$
45						
					94.0	←$CaCO_3$
50	28.6	38.6	14.0	18.9	100	
	28.4	37.9	13.6	15.5	95.4	←$CaCO_3$
55						
					95.2	←$CaCO_3$
60	17.9	42.8	20.1	19.2	100	
	17.9	42.0	19.5	15.9	95.3	←$CaCO_3$
65						
					96.4	←$CaCO_3$
70	36.5	29.9	17.0	16.6	100	
	35.8	28.4	16.8	13.5	95.5	←$CaCO_3$
75						
					94.4	←$CaCO_3$
80	26.3	30.7	15.6	27.5	100	
	25.7	30.1	15.4	21.8	93.8	←$CaCO_3$
85						
					95.4	←$CaCO_3$

[1] Size fractions are: gravel (> 2 mm; > phi −1); coarse sand (2–0.50 mm; phi −1 to 1); medium to fine sand (0.50–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles (< 0.0625 mm; < phi 4).

Table 4d *Summary of sediment particle size analyses* [1] *and carbonate content from Cores 267–272*

Core 270						
Core depth (cm)	Gravel (%)	Coarse sand (%)	Medium fine sand (%)	Mud (%)	Total (%)	$CaCO_3$ (%)
01	0	0	0	100	100	
	0	0	0	76.3	76.3	←$CaCO_3$
05	0	0.3	11.6	88.1	100	
	0	0.3	11.0	72.1	83.4	←$CaCO_3$
10	0	12.4	60.5	27.1	100	
	0	12.1	58.2	19.9	90.2	←$CaCO_3$
15						
					86.2	←$CaCO_3$
20	35.0	25.2	26.1	13.7	100	
	34.2	24.4	24.9	10.3	93.8	←$CaCO_3$
25						
					91.6	←$CaCO_3$
30	47.6	22.4	20.1	9.9	100	
	46.7	21.5	18.8	8.1	95.1	←$CaCO_3$
35						
					94.8	←$CaCO_3$
40	53.5	22.4	13.8	10.3	100	
	52.4	21.7	13.1	4.9	92.1	←$CaCO_3$
45						
					95.1	←$CaCO_3$
50	60.6	27.6	6.8	5.0	100	
	57.6	26.8	6.5	4.9	95.8	←$CaCO_3$

[1] Size fractions are: gravel (> 2 mm; > phi −1); coarse sand (2–0.50 mm; phi −1 to 1); medium to fine sand (0.50–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles (< 0.0625 mm; < phi 4).

Table 4e *Summary of sediment particle size analyses* [1] *and carbonate content from Cores 267–272*

Core 271						
Core depth (cm)	Gravel (%)	Coarse sand (%)	Medium fine sand (%)	Mud (%)	Total (%)	$CaCO_3$ (%)
01	0	0	0	0.3	100	
	0	0	0	0.3	88.2	←$CaCO_3$
05	0	2.2	60.9	36.9	100	
	0	2.1	60.6	32.8	95.5	←$CaCO_3$
10	1.2	31.4	44.1	23.3	100	
	1.2	31.3	44.1	21.5	98.1	←$CaCO_3$
15						
					97.2	←$CaCO_3$
20	4.5	35.0	40.5	20.0	100	
	4.5	34.3	39.8	16.6	95.2	←$CaCO_3$
25						
					90.5	←$CaCO_3$
30	3.6	20.1	38.8	37.5	100	
	3.6	19.7	38.1	29.8	91.2	←$CaCO_3$
35						
					92.1	←$CaCO_3$
40	6.9	30.5	31.9	31.0	100	
	6.8	29.5	31.0	24.6	91.9	←$CaCO_3$
45						
					95.1	←$CaCO_3$
50	29.6	19.0	35.3	16.1	100	
	29.2	18.7	34.3	12.2	94.4	←$CaCO_3$
55						
					95.4	←$CaCO_3$
60	32.5	26.1	26.1	15.3	100	
	32.0	25.5	25.3	12.2	95.1	←$CaCO_3$
65						
					96.1	←$CaCO_3$
70	17.4	39.0	27.9	15.7	100	
	17.2	38.5	27.2	13.2	96.1	←$CaCO_3$
75						
					98.2	←$CaCO_3$
80	24.1	35.7	27.1	13.1	100	
	23.8	34.7	26.4	11.3	96.2	←$CaCO_3$
85						
					94.9	←$CaCO_3$
90	66.1	21.5	8.5	3.9	100	
	65.1	20.9	8.2	2.8	97	←$CaCO_3$

[1] Size fractions are: gravel (> 2 mm; > phi −1); coarse sand (2–0.50 mm; phi −1 to 1); medium to fine sand (0.50–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles (< 0.0625 mm; < phi 4).

Table 4f *Summary of sediment particle size analyses* [1] *and carbonate content from Cores 267–272*

Core 272						
Core depth (cm)	Gravel (%)	Coarse sand (%)	Medium fine sand (%)	Mud (%)	Total (%)	$CaCO_3$ (%)
01	0	2.5	6.3	91.2	100	
	0	2.4	6.2	78.8	87.4	←$CaCO_3$
05	1.4	27.0	46.6	25.0	100	
	1.4	27.0	45.8	22.2	96.4	←$CaCO_3$
10	1.8	31.6	55.7	10.9	100	
	1.8	31.1	54.5	7.5	94.9	←$CaCO_3$
15						
					97.7	←$CaCO_3$
20	1.4	20.7	52.4	25.5	100	
	1.4	20.3	50.3	19.5	92.0	←$CaCO_3$
25						
					90.5	←$CaCO_3$
30	2.4	32.4	40.7	24.5	100	
	2.3	31.6	39.6	16.0	89.5	←$CaCO_3$
35						
					92.3	←$CaCO_3$
40	3.9	32.9	34.6	28.6	100	
	3.8	32.2	33.7	22.8	92.6	←$CaCO_3$
45						
					93.3	←$CaCO_3$
50	6.9	42.1	33.7	17.3	100	
	6.9	41.3	33.1	13.9	95.2	←$CaCO_3$
55						
					96.4	←$CaCO_3$
60	8.2	49.3	31.5	11.0	100	
	8.0	48.8	30.9	8.8	96.5	←$CaCO_3$
65						
					96.6	←$CaCO_3$
70	9.6	53.2	29.8	7.4	100	
	9.5	52.5	29.3	4.8	96.1	←$CaCO_3$
75						
					97.2	←$CaCO_3$

[1] Size fractions are: gravel (> 2 mm; > phi −1); coarse sand (2–0.50 mm; phi −1 to 1); medium to fine sand (0.50–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles (< 0.0625 mm; < phi 4).

Table 5 *Summary of particle size analyses* [1] *and carbonate content for grab samples 2543, 2544, 2545, 2546.*

Grab Sample No.	Gravel (%)	Coarse sand (%)	Medium fine sand (%)	Mud (%)	Total (%)	$CaCO_3$ (%)
G 2543	03.9	41.9	39.3	14.9	100	
	03.8	41.1	37.9	13.0	95.8	←$CaCO_3$
G 2544	17.3	23.6	31.5	27.6	100	
	17.2	23.4	31.2	24.9	96.7	←$CaCO_3$
G 2545	36.6	223.6	27.4	12.4	100	
	35.8	23.0	25.9	10.2	94.5	←$CaCO_3$
G 2546	06.7	14.3	49.7	29.3	100	
	03.3	11.8	31.4	24.5	70.9	←$CaCO_3$

[1] Size fractions are: gravel (> 2 mm; > phi −1); coarse sand (2–0.50 mm; phi −1 to 1); medium to fine sand (0.50–0.0625 mm; phi 1 to 4); and mud, which includes clay and silt size particles (< 0.0625 mm; < phi 4).

There is a slight but possibly significant relationship between sediment particle size and the carbonate content. The finest fraction is generally composed of a smaller percentage of carbonate than more coarse fractions. This is especially true for the surface layer and the grab samples, suggesting that recent fine sediments are not derived by degradation of the more coarse carbonate fraction. The shelf platform has been isolated since the last rise in sea level from Iberia and local sediment sources are small and, in any case, have a large proportion of calcareous rock which would yield calcareous detritus. Some of the non-carbonate material may be locally derived terrigenous clays and reworked siliceous material. No analyses of this finer fraction non-carbonate residue have been carried out, but it is probable that this residue is composed almost entirely of terrigenous material of aolean (wind-blown) origin.

The surface layer in each core is very fine grained, with respect to the rest of the core and to some extent represents settling of fines from the water column in the core barrel following disruption of the sediment during coring. This layer, however, is the least rich in carbonate. Because none of the cores were completely mixed during coring, the fine top layer is regarded as representing a disproportionate amount of non-carbonate fine material immediately at, and within 5 cm of the surface. This would indicate that the relative amount of carbonate vs non-carbonate sedimentation, as a proportion of sediment type, was strongly biased to non-carbonate fine sediment recently.

There are two main possibilities that most likely control the composition of the fine size-fraction. Firstly, large dust storms or a volcanic eruption could have deposited abnormal amounts of aolean material recently. Secondly, the change in sediment type could reflect sea level rise on the platform, and the consequent withdrawal of the photic zone above the critical level where large areas of the platform were productive for either calcareous algae or shellfish.

No dust and calcareous-poor fine grained beds are present in any of the cores below

the immediate surface zone. Thus, if the control of sediment deposition was due to an abnormal aolean or volcanic dust contribution, it would have to be a singular recent event because there is no record of other events of this type, at least in the upper metre of sediment cored. No super-large dust storms different from those normally taking place in the Mediterranean region are recorded (ENEA, 1994), but chemical analyses of the fine residue is necessary before it can be correlated with recent volcanic eruptions, for instance with the eruption of Vesuvius in 1944 and Etna and other oceanic volcanoes since World War II (Guerzoni et al., 1989). The number of active volcanoes has increased over the last two hundred, years (Simkin, 1994), but the number of large ($\geq$1 km^3) volcanoes capable of world-wide effect has remained about the same. Thus abnormal local volcanism would be necessary to explain important sedimentary accumulations of volcanic material. Although it is likely that volcanic detritus and dust now comprises a significant proportion of non-carbonate sediments away from terrigenous sources, it is unlikely that the present surface sediments are abnormally rich in volcanic detritus.

If the non-carbonate dust in the surface layer and in near-surface sediment is volcanic in origin, then it can simply be correlated with historic eruptions. However, production of more coarse grained calcareous material would still have to have been low during the interval in which the volcanic sedimentation took place. If the fine residue is dominantly siliceous, then it would probably have had an originally aolean transport and its source area would have dominantly been from North Africa (Loye-Pilot et al., 1989). Deposition of abnormal amounts of aolean material in the surface sediment would indicate that the recent deposition rate is reduced, and strongly influenced or dominated by aolean transported sediment rather than carbonate material derived from the Balearic shelf itself. Because the aolean contribution has probably been fairly regular over time, the sediment sequence in the cores can be characterized as upward fining, with grain size content controlled mainly by a reduced contribution of calcareous algal and shelly material. This would imply that the upward withdrawal of the photic zone is primarily responsible for the reduced coarser carbonate contribution.

Concentration of carbonaceous algae in the lowermost cores, especially those that appeared to reach rockhead (Appendix A), almost certainly reflects the most suitable growth situation, in very shallow, clear water on the Balearic shelf as it first flooded at the end of the last interglacial. Isotopic dating would pin-point the time at which sea level continuously covered the shelf here. This downward coarsening of the sediment, which is at least partly based on the relative presence of calcareous algae, supports the identification of the recent sediment here as part of an upward fining sequence directly related to the rise of sea level. The stranding of the small coral reefs along the shelf margin also supports the concept of active coarse carbonate producing activity in shallow water early in the sea level rise. The bedded sediment burying the coral heads appears to have been almost entirely deposited following the death of the coral head because unbroken beds appear to drape across the coral knoll (Figs. 6, 7).

This depositional environment control of sediment type at the seabottom in water depths similar to this sampling area is probably widespread in the Mediterranean calcareous shelves away from the influence of sediments of terrigenous origin, such as in the Nile delta. When water depths were shallower, a larger amount of coarse carbonate material was produced. When sea level rose and drew away the photic zone, first the corals and algae were no longer active and shelly fauna became less active. In addition, bottom current activity would have diminished after the neritic zone rose away from the bottom following rising sea level. The upward fining of sediment, with the finest grained material most common immediately at the seabottom, also appears to be characteristic for the deeper parts of the Adventure Bank and its flanks, southwest of Sicily (Colantoni, 1988; Max and Michelozzi, in preparation). Thus, even though a shelf or a bank is entirely away from the influence of sediment introduced from land sources, there should be at least a fine veneer of mud, or at least an increased silt and clay size fraction in the upper 30 cm of sediment. Very clean bottom will only be developed where bottom currents are common.

Paleoclimate implications It can be anticipated that when sea level falls in sea areas such as this, there is likely to be coarsening of the sediments as the calcareous-producing biota become active. However, this coarsening environment will not be preserved on the shelves themselves because during each interglacial sea level fell below the level of most of the shelves. Off-bank deposits which remained below sea level and below significant current and wave effects thus should show sequences of upward fining and upward coarsening related to sea level falls and rises. It should be possible to correlate individual erosion surfaces on shallow shelves (e.g., Max et al., 1993) with off-bank fining sequences. A correlation between the sequence stratigraphy on the shelves and sea level cycles within individual sequences in the fully marine off-bank sequences (Vergnaud-Grazzini et al., 1988) should be possible. With detailed isotopic analyses, water temperature, composition, and sea level cycles should be identified.

15

Conclusions and discussion

The seafloor along the northwestern part of the Mallorca Plateau is generally flat and smooth. Except for some small scale roughness in the acoustic basement just south of the sedimentary basin, and isolated rocks upstanding to a little over 3 m in the southern part of the area, relief, as measured from side-scan shadows, is less than a metre. Acoustic basement consists of a bedded and an apparently unbedded type, with which well-bedded slope sediments merge imperceptibly. This relationship suggests interbedding of off-reef limestones and limy muds and shales and reef-knolls. The presence of these knolls is important because it indicates that immediately upon the last reflooding of the platform by sea level rise, coral and other calcite/aragonite secreting organisms were common on the shallow shelf. Thus, any secondary porosity and microfracturing developed during the subareal conditions associated with erosion and peneplaning of the platform, could be expected to have been sealed by calcite secretion. This would allow the high acoustic velocity character of the rock to extend to the seabottom, annealing the anticipated near-surface zone of weathering and alteration (Caiti and Max, 1994). The presence of relic reef-knolls immediately beneath recent sediment cover at the margin of the plateau, the overall hardness of the acoustic basement, and internal bedding patterns showing draped bluffs and buried platform, strongly suggest that the platform surface beneath the thin recent sediment is composed of a veneer of carbonate. Sea level rise associated with live coral bank conditions would have continued until it raised the photic zone above that which the coralline organisms could tolerate. Sea level rise must have been rapid because the coral reef heads, resting on the eroded platform, are relatively small. Modern sediment, which is washing over the slope break and forming sediment wedges at the top of the slopes, is also mainly carbonate.

Acoustic basement on the west Mallorca Plateau occurs very near to, or at, the seafloor. Extensive elongate rock ridges following the trend of the sedimentary basin and many faults (Figs. 34a,b) parallel the regional tectonic trend and represent local seafloor response to regional tectonic activity affecting the Balearic platform. Recent sediment cover, where it occurs, is present only as a thin veneer less than 4 m thick, except near the shelf edges where it rarely becomes as much as 20 m thick before the slope break itself is reached. The recent sediments are dominated by shell fragments, calcareous algae, and colonial and rugose corals, some of them very fresh. These recent carbonate sediments are strongly reflective to acoustic energy. Because the apparent reflectance of the sediments and the acoustic basement is similar, the precise location of acoustic basement exposures within the general sediment cover of the plateau is not likely to render parts of the plateau much more strongly reflecting than other areas.

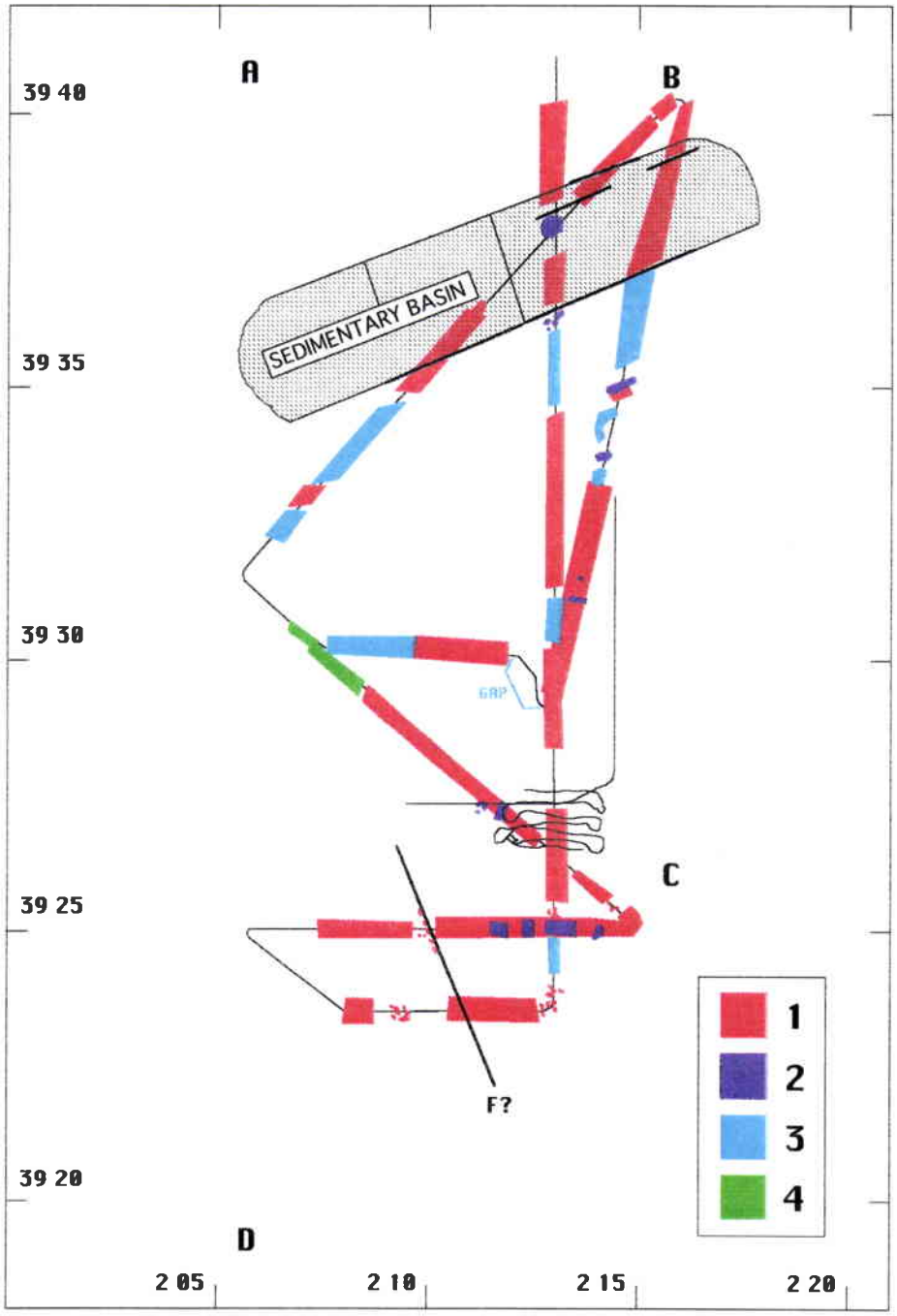


Figure 34a *Interpretive maps of seafloor character and geological structure. Surface character of side-scan records with shallow penetration boomer for control of interpretation of surface features. 1: Generally smooth rockhead at or very near surface, buried only slightly by recent sediments; 2: Rock exposures, usually large bosses and upstanding rough surfaces; 3: Rock at surface over 40-60% of total area, enough rock is exposed to show bedding trendes and fold axes; 4: Scattered rock, patches or rock up to 40% but about 20% of entire strip. Gap position indicates gap in side-scan record caused by sudden ship turn.*

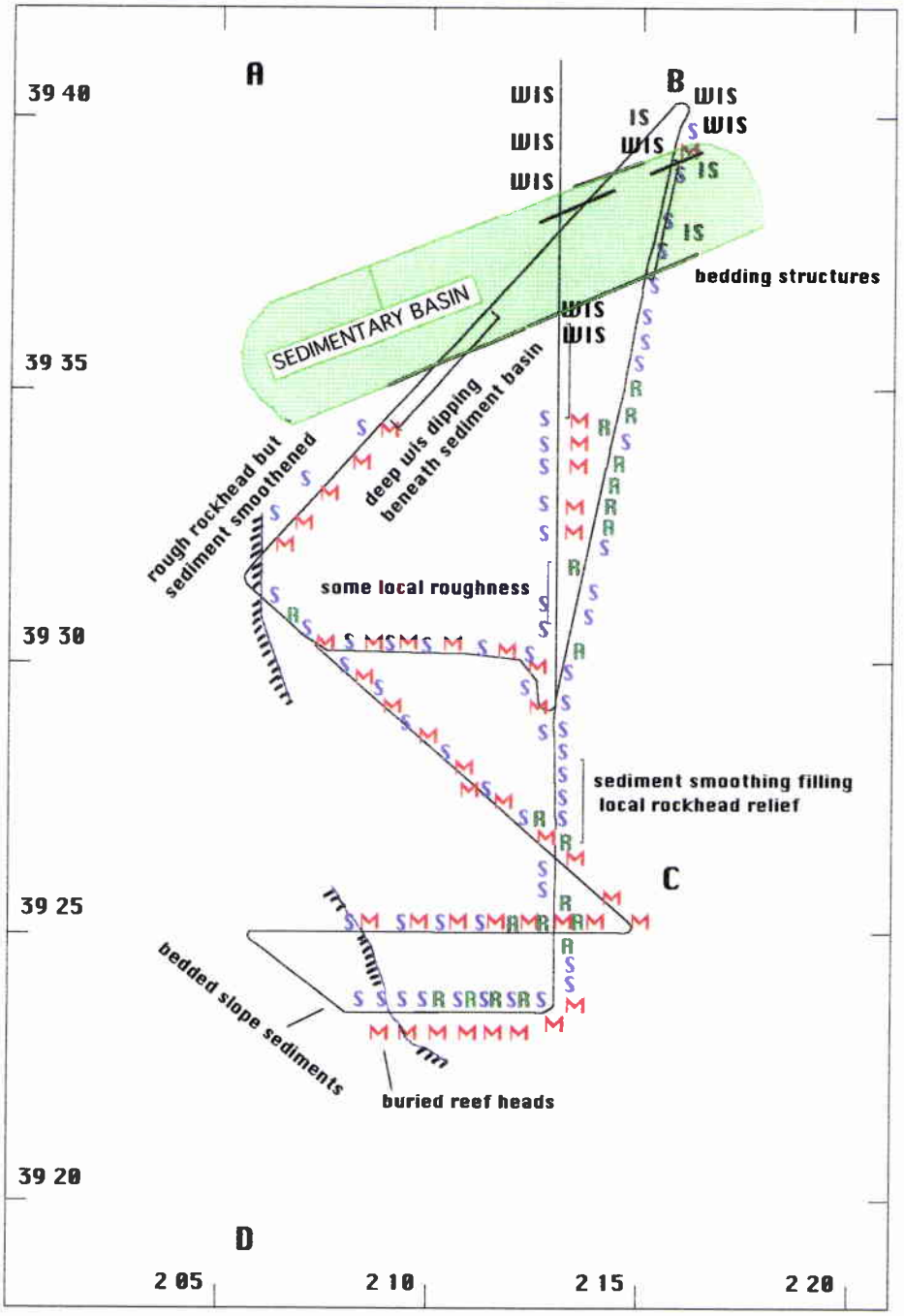


Figure 34b *Interpretive maps of seafloor character and geological structure. Subsurface and surface character based on sparker and boomer records: M: No internal reflection structure; S: Smooth surface, usually with smooth rockhead but sometimes with shallow infilling with sediment; R: Rock, local relief with sediment commonly ponded in low areas; IS: Internal reflection seismic structure showing bedding and occasionally faulting; WIS: Weak internal reflection seismic structure showing probable bedding. Western margin of area is a depositional wedge.*

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Appendix A

Cores and bottom information

Cores were obtained using a piston core method which assists core penetration and recovery, even though it may lead to more disturbance in the core barrel than in the case of cores taken using a pure gravity core method. Several experiments using gravity recovery only produced very short cores that could only be logged as grab samples. The thin sediment on this bank proved very difficult to penetrate, with no cores more than 1 m in length.

See Figs. 3, 13, and 20 for core and grab locations.

1. **Core 267** 8 March 93 Near experiment site. Short core of about 30 cm. During extraction sediment fell against the side of the liner and must be considered as completely mixed. Core barrel completely clean on coming out of water. Fines and some sandy material drained before apparatus could be brought on deck.

2. **Core 268** 13 March 93 Southern end of N-S experiment line, south of experiment site. Some fines flushed from bottom before apparatus was brought on deck. Very coarse material in base, with fines and more coarse bands further up core. On returning to vertical position, sediment fell and settled to base of liner. Must be considered to be a partly mixed specimen. Coarse gravel lenses appeared to have little or no fine material in them until mixing in core liner.

3. **Core 269** 13 March 93 North of experiment site. A large cloud of fines dispersing in the water just before returning to deck indicated significant loss. Core penetrator was bent, indicating that the entire sediment column was penetrated and rockhead encountered. No rock fragments were recovered. No coarse material in base of core may indicate that the lower part of the core was lost. More fines in the head of this core than any of the others. Exterior of core apparatus completely clean.

4. **Core 270** 13 March 93 Approximate centre of N–S line. Good recovery. Appeared to stick slightly on removal from the bottom. No significant cloud of fines in water on recovery. Tip of core penetrator had a few patches of plastered-on mud. Very coarse material in tip saved separately. Sands and fines elsewhere in barrel.

5. **Core 273** 13 March 93 Just south of survey line crossings near north of area over sedimentary basin. Poor recovery. Large cloud of fines around core tip in water, dropping material also sighted in the very clear water. Deck crew did a very fast recovery, but when it was brought on deck the penetra-

tor was seen to be badly bent and the core catcher held open by some gravel fragments. Bagged sample included very large fragments and stiff sand. More sand and fine material was in suspension or settling rapidly.

Retrieval anchor buoy of experiment position 1 (Fig. 3, Fig. 26), 18 March, 93. Some of the recesses were filled with fine to medium sand that had a 'sticky' texture. The anchor surface itself was completely clean; one corner was abraded down to bare steel with surface corrosion and paint completely stripped off.

6. **Core 271** 18 March 93 Southeast of area. Used modified penetrator. Bent end had to be machined off in the ship's shop. Some threads were damaged. Barrel was leaking a cloud of fines as it reached the surface, but with coming to rest just beneath the surface while the deck crew removed the extraneous wire gear, leakage diminished to almost nothing. On reaching the deck, the core catcher was seen to be blocked by a $6 \times 4 \times 4$ limestone fragment that had pushed down the core catcher teeth. About 1 m of coarse sand and very angular gravel was recovered in a mixed core. The angularity and apparent freshness of some of the algal material may indicate a live carbonate bottom. Water cleared completely within 1/2 h. Sediment surface of fines also almost solid in 1 h.

7. **Core 272** 18 March 93 Southwest of area, just above slope. Very little core drop on reaching surface. On deck the core was seen to be largely coarse, fresh shelly material, with large, freshly broken fragments pushed up the core. Again almost completely disturbed, about 1 m or material settled rapidly into rough grain size stratification. Shell bank material at shelf margin. This should be an indication of the composition of the wedge seen on seismic reflection.

8. **Core 273** Failed. Recorded as Grab 2546. 18 March 93 West central margin of area near top of slope break. Similar bathymetrically to site of Core 272. Large cloud of dropped material just before getting core apparatus on deck. Almost nothing left in core. Treated as grab sample. Shells, calcareous algae (mammary) and sand.

Appendix B
Stratigraphy of cores

B.1. Stratigraphy

Coarse fraction and shelly debris are generally confined to the lower parts of the cores.

B.2. Color

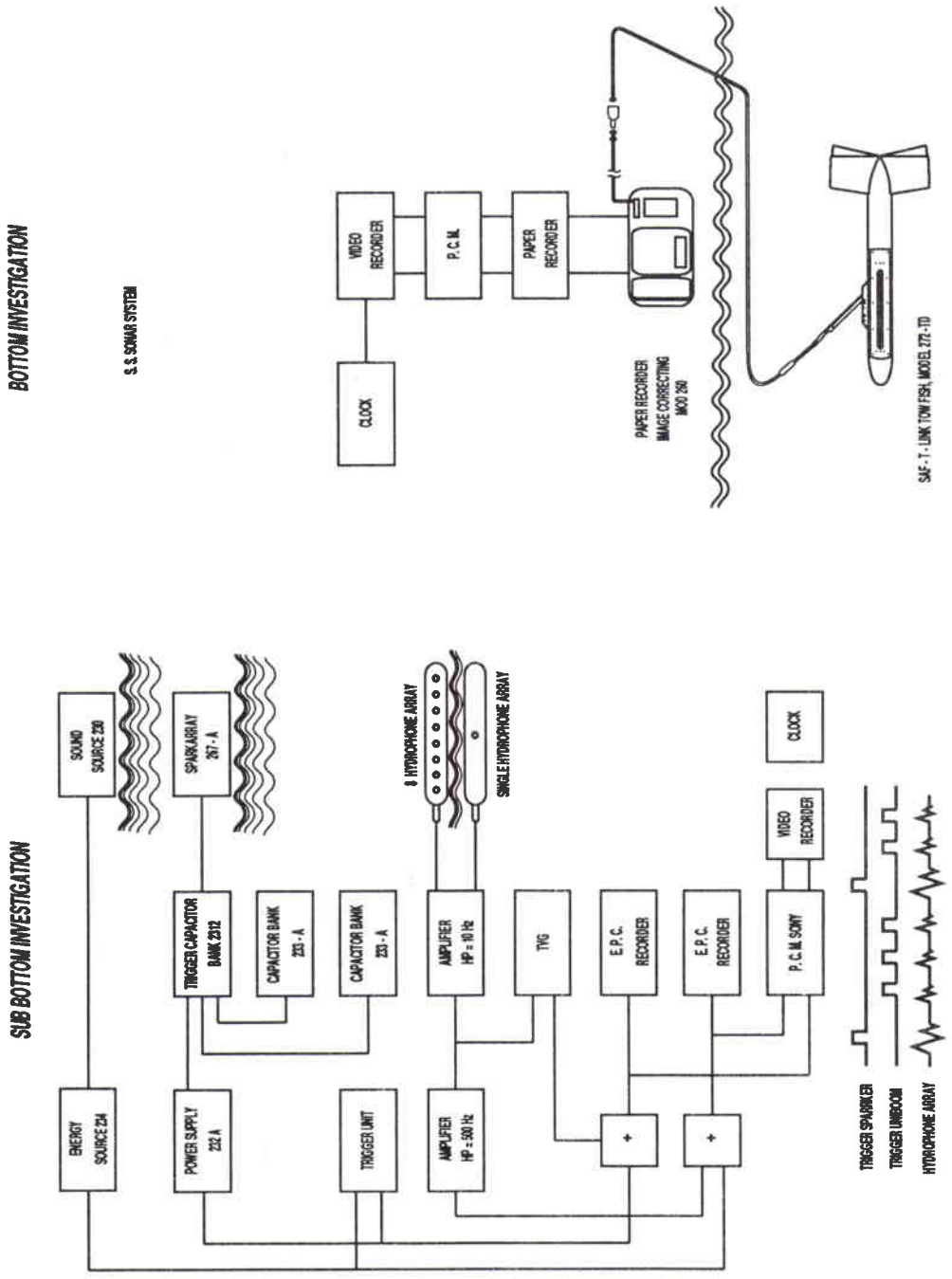
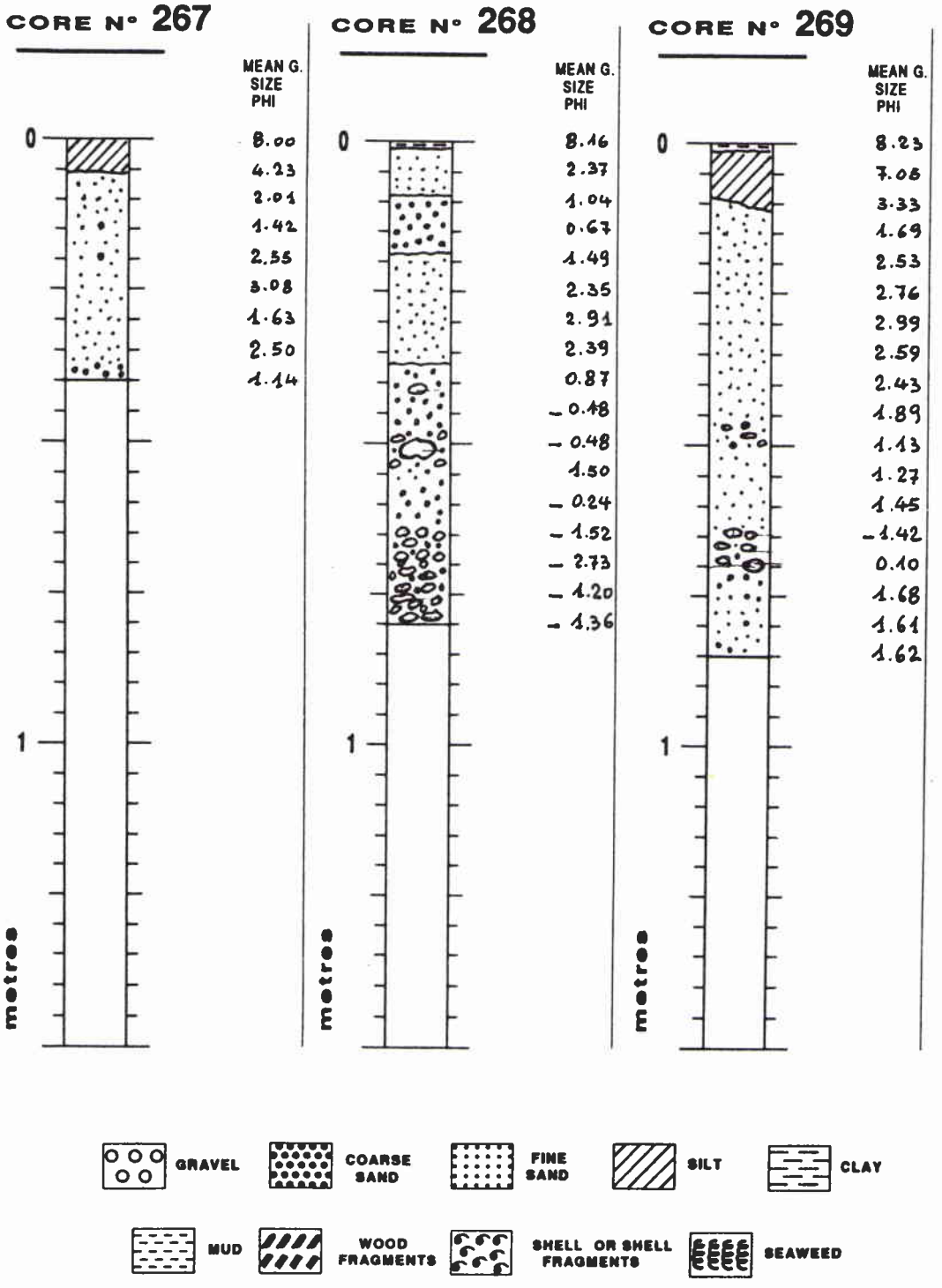
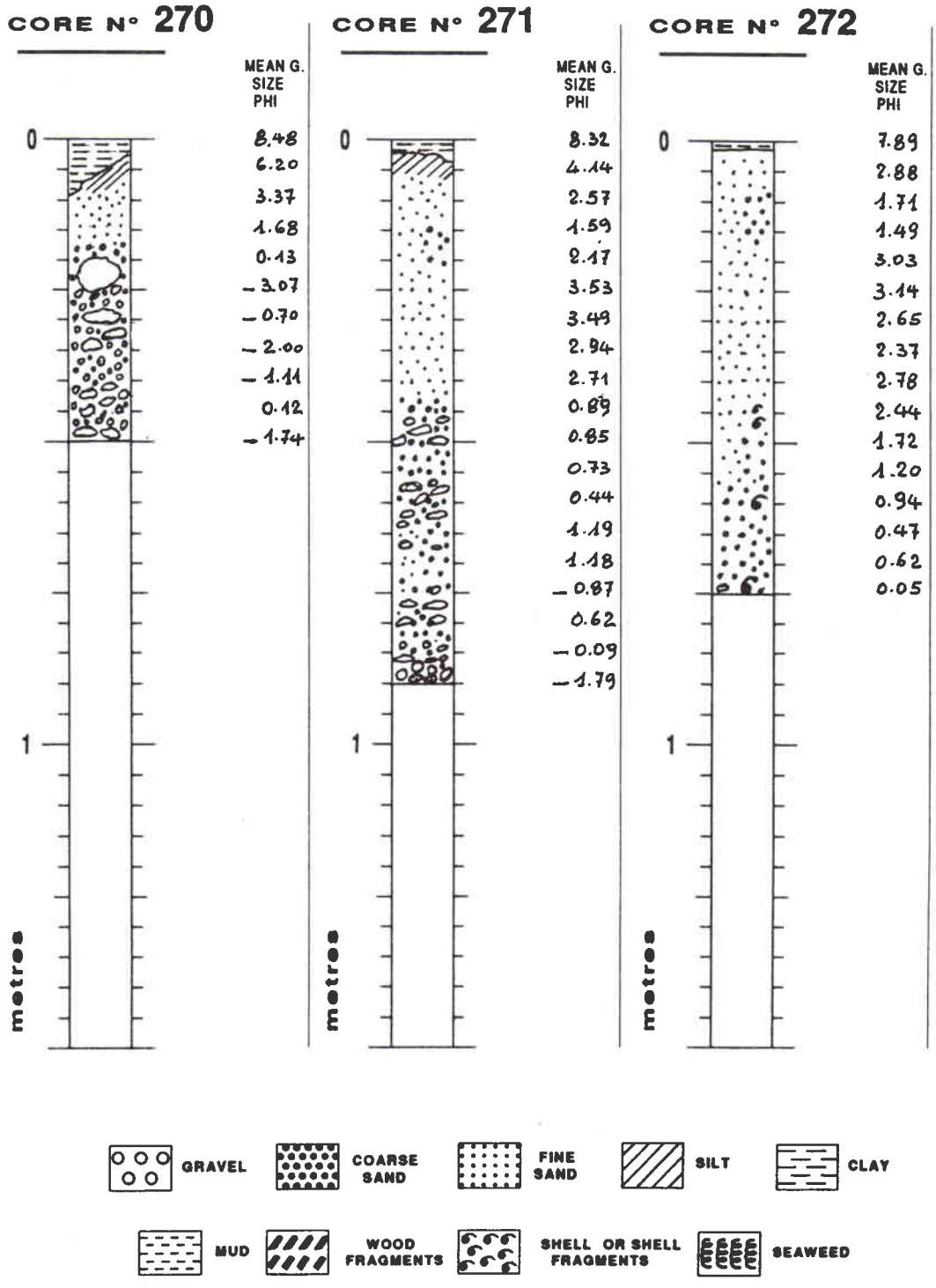


Figure B1 *Diagram of Uniboom set-up showing two hydrophone options.*

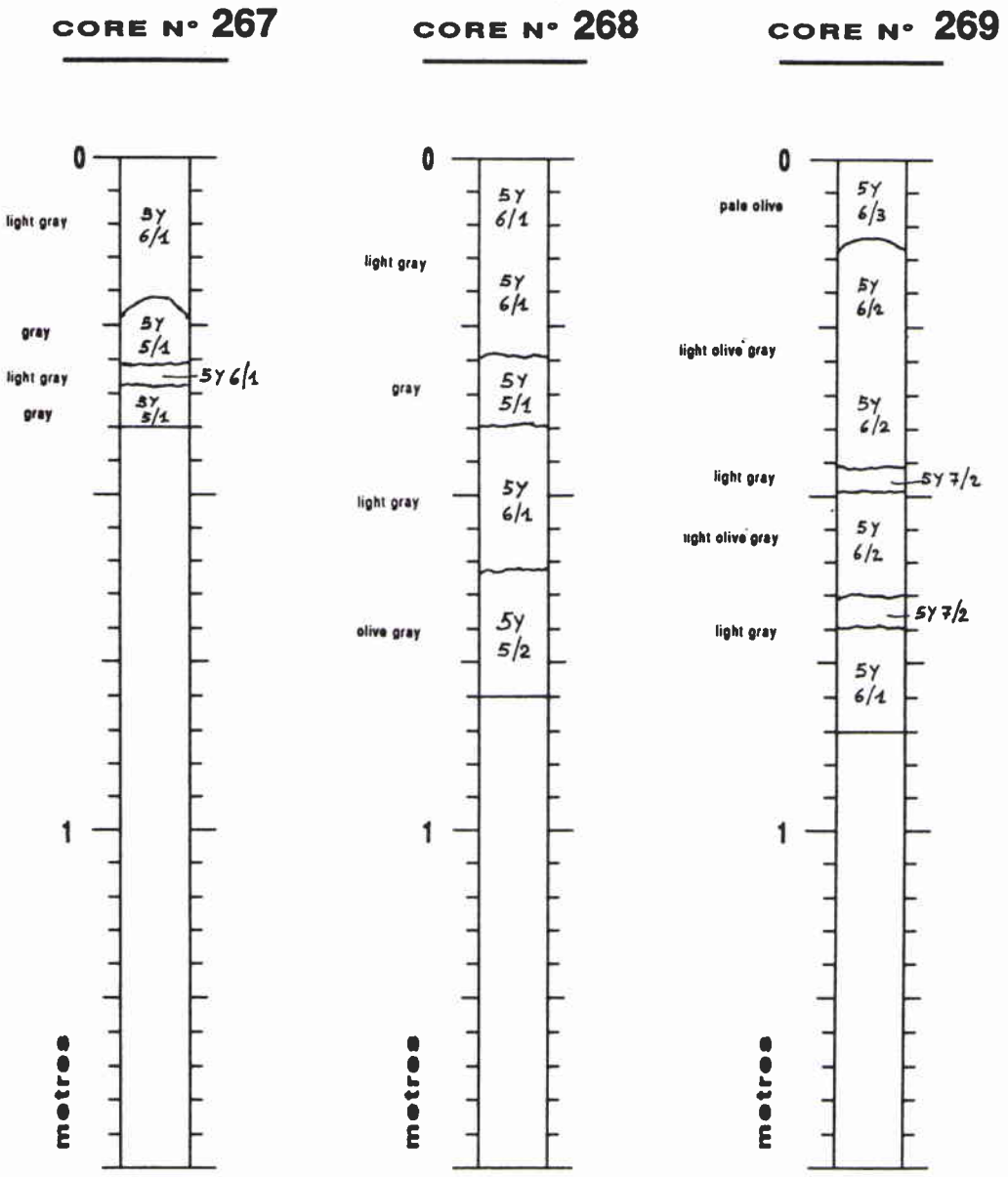
STRATIGRAPHY



STRATIGRAPHY

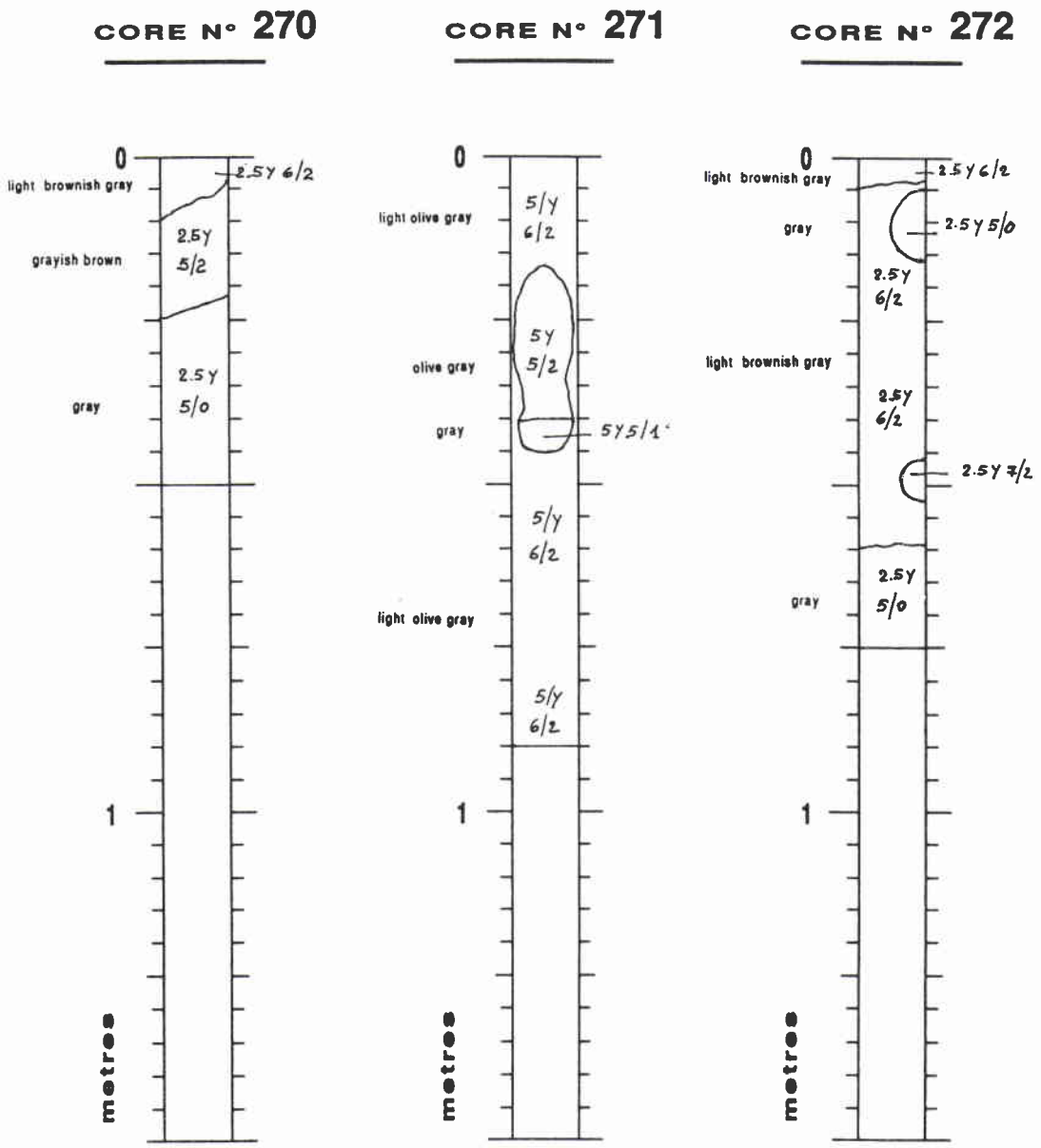


COLOR



Description by Munsell soil color chart (1990)

COLOR


CORE N° 270
CORE N° 271
CORE N° 272
0
light brownish gray
2.5Y 6/2
grayish brown
2.5Y 5/2
gray
2.5Y 5/0
1
metres
light olive gray
5/Y 6/2
olive gray
5Y 5/2
gray
5Y5/1
5/Y 6/2
light olive gray
5/Y 6/2
light brownish gray
2.5Y 6/2
gray
2.5Y 5/0
2.5Y 6/2
light brownish gray
2.5Y 6/2
2.5Y 7/2
2.5Y 5/0
gray

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Author(s)

M.D. Max, E. Michelozzi, B. Tonarelli and F. Turgutcan

Title

Shallow seafloor geology and sediment character of the western Mallorca Platform

Abstract

A site survey of the seabottom west of Mallorca in the central Balearic Islands has characterized the bottom and the immediate sub-bottom. High resolution seismic reflection Uniboom, deeper penetrating (about 5× Uniboom) reflection seismic Sparker, and side-scan sonargram surveys have been completed concurrent to high resolution bathymetry that is stored in digital form. All surveys were controlled by GPS. In addition, both core and grab samples have been recovered and analyzed.

The shelf area is composed of a flat surface eroded into hard rocks on which it was difficult to image subjacent sedimentary bedding. The acoustic basement of the southern and central area consist of acoustically 'massive' rock while the northern part of the area has acoustic basement formed from weakly bedded sedimentary rocks. The boundary between the two basements is transitional of unknown nature. A NNE–SSW trending sedimentary basin in the northern part of the area is founded on the bedded acoustic basement. A thin veneer of recent sediment overlies both types of acoustic basement and the flat-lying well-bedded sediments in the sedimentary basin. This recent sediment smoothes the nearly flat erosional surface by filling low-lying depressions in the erosional surface. It is dominantly calcareous sand formed from shell hash and minor calcareous algae, with coarse sand to fine gravel admixture of sub-rounded quartzo-feldspathic material, presumably sourced from the upstanding land masses and possibly from erosion of the shelves. At the outer edge of the shelf 10–18 m of sediments deposited since the last rise of sea level (post-Flandrian) unconformably overlies strongly bedded consolidated and semi-consolidated sediment that everywhere dip down slope.

The bottom is everywhere highly reflective to acoustic energy. It is almost flat, although where acoustic basement is exposed occasional pinnacles may rarely rise to a little over 3 m above the surrounding seafloor. The main areas of exposed rock are in the far south of the area, and in a slightly upstanding rocky bottom lying to the south of the sedimentary basin. Patches of more reflective bottom surround some rocky areas. The reflective character of the sediment is probably due to the presence of more coarse shell near the rocks, which would act as a habitat for live shelly fauna. Lighter reflecting patches of sediment are less reflective and probably indicate a finer-grained composition to the sediment.

Keywords

Balearic islands, bottom properties, Mallorca Plateau

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Detailed sediment analyses from the western Mallorca Platform. Unpublished data report.

Tonarelli, B., Max, M.D., Michelozzi, E. & Turgutcan, F.
1994.

This unpublished data report contains data and graphics that supplement SACLANTCEN SM-286: Max et al. 1995. Shallow seafloor geology and sediment character of the western Mallorca Platform. This data report contains the detailed analyses from every level of all cores and is an external, but supporting document to that memorandum.

Part 1. Sediment grain size analyses and diagrams.

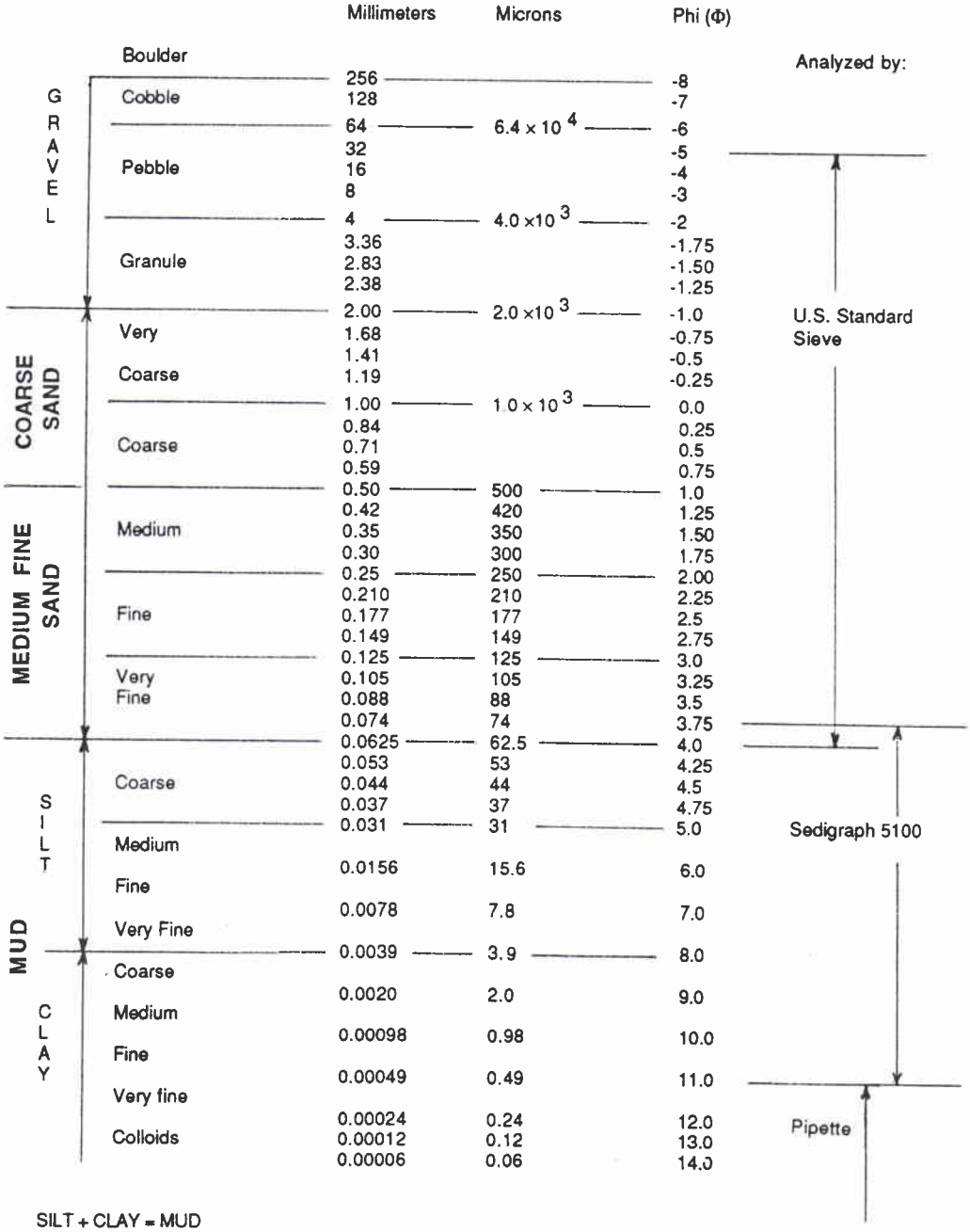
Analyses and graphics of particle size 'fill' shown from most coarse to fines.

Part 2. Physical properties and sound velocity

Sound velocity analyses were carried out on the ship at sea following coring. Cores were maintained in a vertical position from immediately following their extraction from the corer until the velocity analyses were carried out. This was done to achieve the most realistic velocities representative of the sediment in the sea bottom. Mixing and disturbance of the sediment during the coring process, along with observed settling of fines into the surface layer clearly indicate that these velocities are only an indication of sediment seismic velocities in the bottom. However, the sediments are dominated by course size fraction which has a relatively small compaction range, with respect to finer grained sediments which can shrink to 15% of their volume with compaction. Thus the grain boundary contacts which control Vp in a resettled sediment can be anticipated as being similar to uncompacted sea bottom sediment, and these velocities can be regarded as a realistic approximation of sea bottom velocity.

Grain size scales and phi, mm,& conversion table

GRAIN SIZE SCALES and CONVERSION TABLE FOR DIAMETER EXPRESSED IN PHI, MILLIMETERS AND MICRONS
The grade scale we used for these sediments is the Wentworth (1922) scale.
Phi (Φ) = $-\log_2$ diameter mm.



SILT + CLAY = MUD

GRAIN SIZE ANALYSIS

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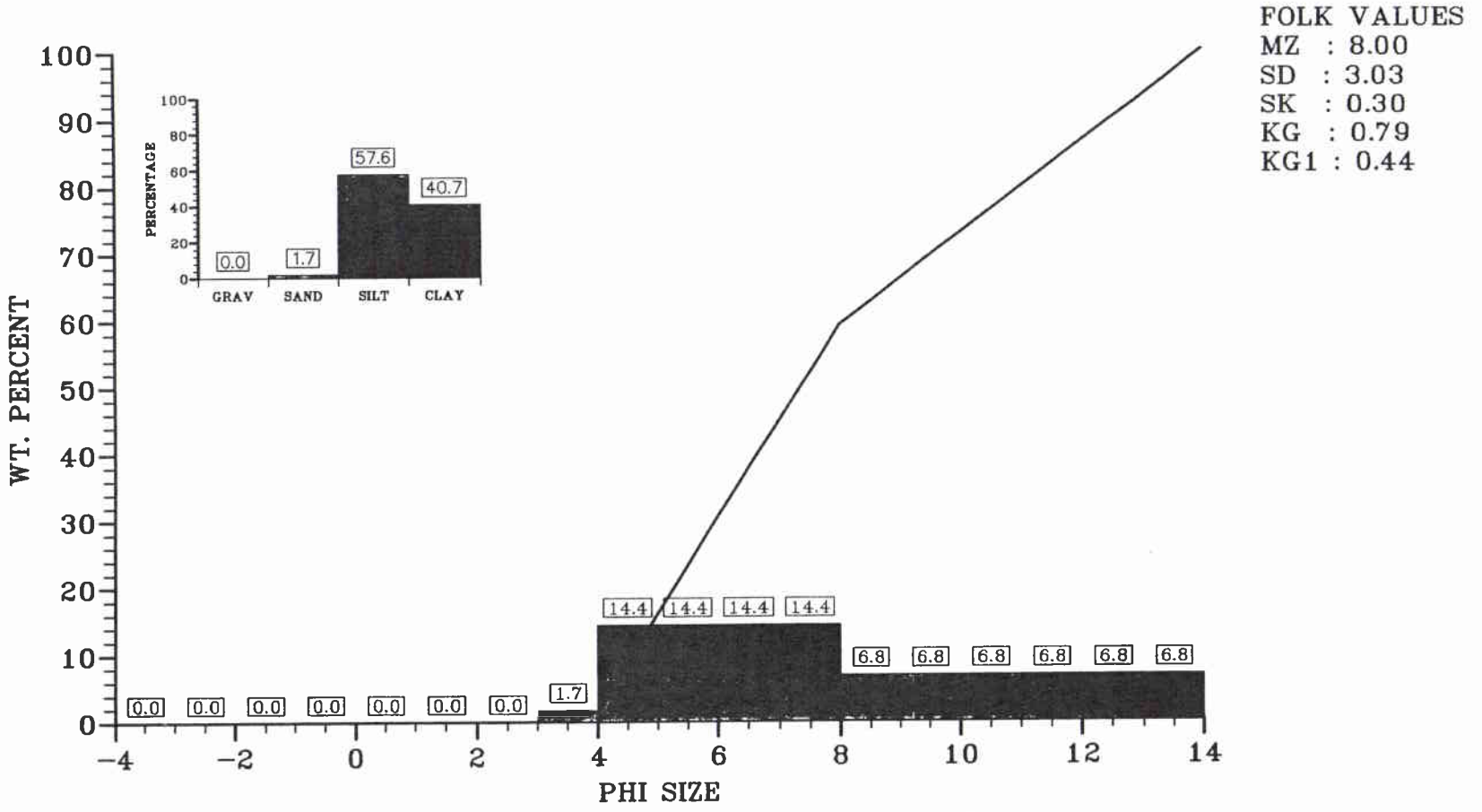

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Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
3.75	0.04	0.48	0.48
4.00	0.11	1.21	1.69
4.50	0.66	7.20	8.89
5.00	0.66	7.20	16.09
5.50	0.66	7.20	23.29
6.00	0.66	7.20	30.49
6.50	0.66	7.20	37.69
7.00	0.66	7.20	44.89
7.50	0.66	7.20	52.09
8.00	0.66	7.20	59.29
9.00	0.62	6.78	66.08
10.00	0.62	6.78	72.86
11.00	0.62	6.78	79.65
12.00	0.62	6.78	86.43
13.00	0.62	6.78	93.22
14.00	0.62	6.78	100.00

Post Analytical Weight : 9.12

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
4.23	4.99	5.62	7.35	10.32	11.64	13.26

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	1.69	57.61	40.71

FOLK VALUES :

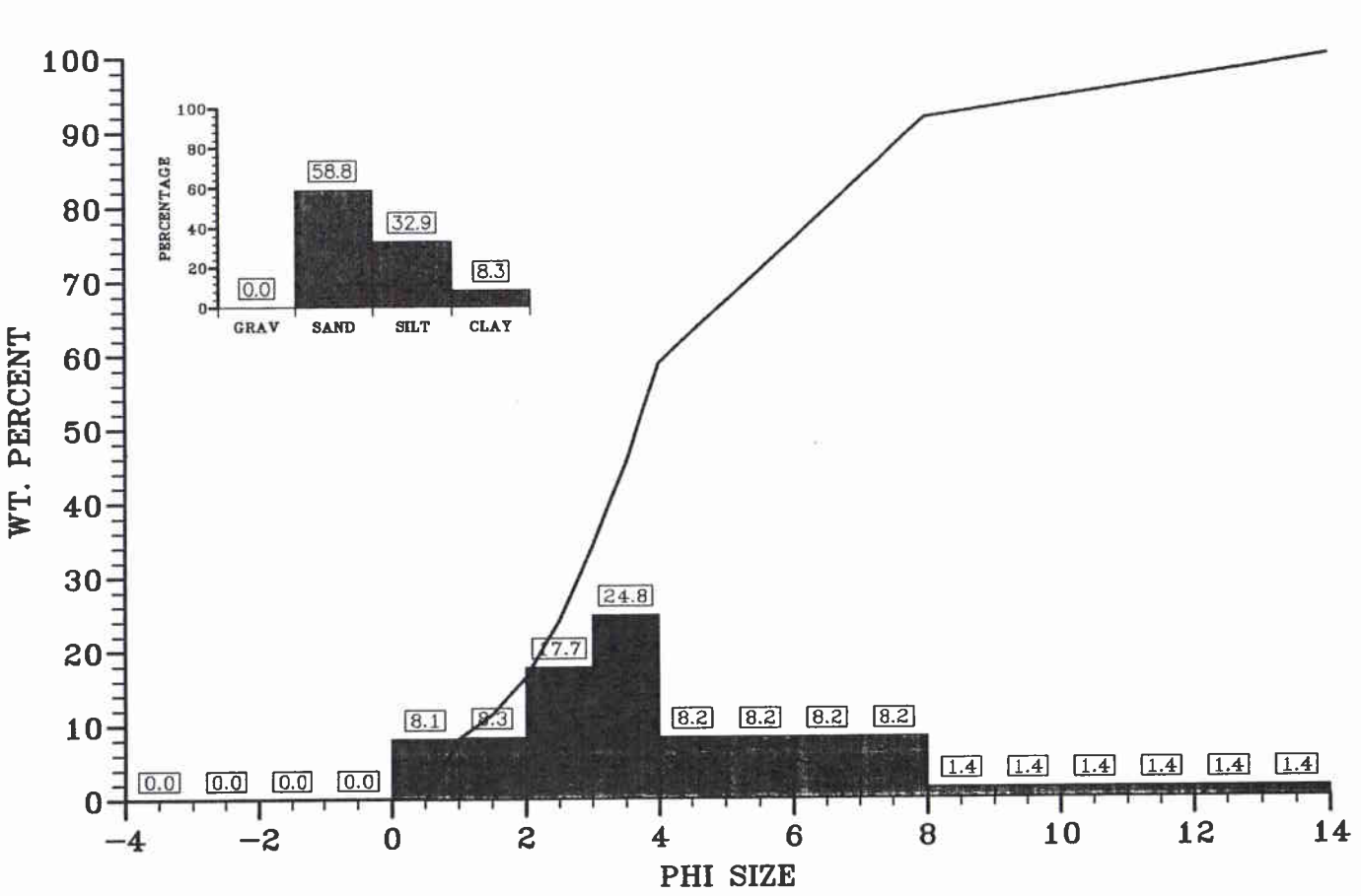
MEAN	ST.DEV	SKEW	KURT	N.KURT
8.00	3.03	0.30	0.79	0.44

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
7.35	8.32	3.32	0.29	0.42	0.36

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00005



UNCLASSIFIED User name: TURGUTCAN Date: 14-DEC-1993 Plot Id: P3C14142149

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00267 Sample : 00005
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
0.75	0.59	4.04	4.04
1.00	0.59	4.04	8.08
1.25	0.24	1.62	9.70
1.50	0.24	1.62	11.33
1.75	0.37	2.51	13.84
2.00	0.37	2.51	16.35
2.25	0.56	3.82	20.17
2.50	0.56	3.82	23.99
2.75	0.74	5.03	29.02
3.00	0.74	5.03	34.05
3.25	0.82	5.61	39.66
3.50	0.82	5.61	45.27
3.75	0.99	6.77	52.04
4.00	0.99	6.77	58.81
4.50	0.60	4.11	62.92
5.00	0.60	4.11	67.04
5.50	0.60	4.11	71.15
6.00	0.60	4.11	75.27
6.50	0.60	4.11	79.38
7.00	0.60	4.11	83.50
7.50	0.60	4.11	87.61
8.00	0.60	4.11	91.73
9.00	0.20	1.38	93.11
10.00	0.20	1.38	94.49
11.00	0.20	1.38	95.86
12.00	0.20	1.38	97.24
13.00	0.20	1.38	98.62
14.00	0.20	1.38	100.00

Post Analytical Weight : 14.65

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
0.81	1.97	2.55	3.67	5.97	7.06	10.37

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	58.81	32.92	8.27

FOLK VALUES :

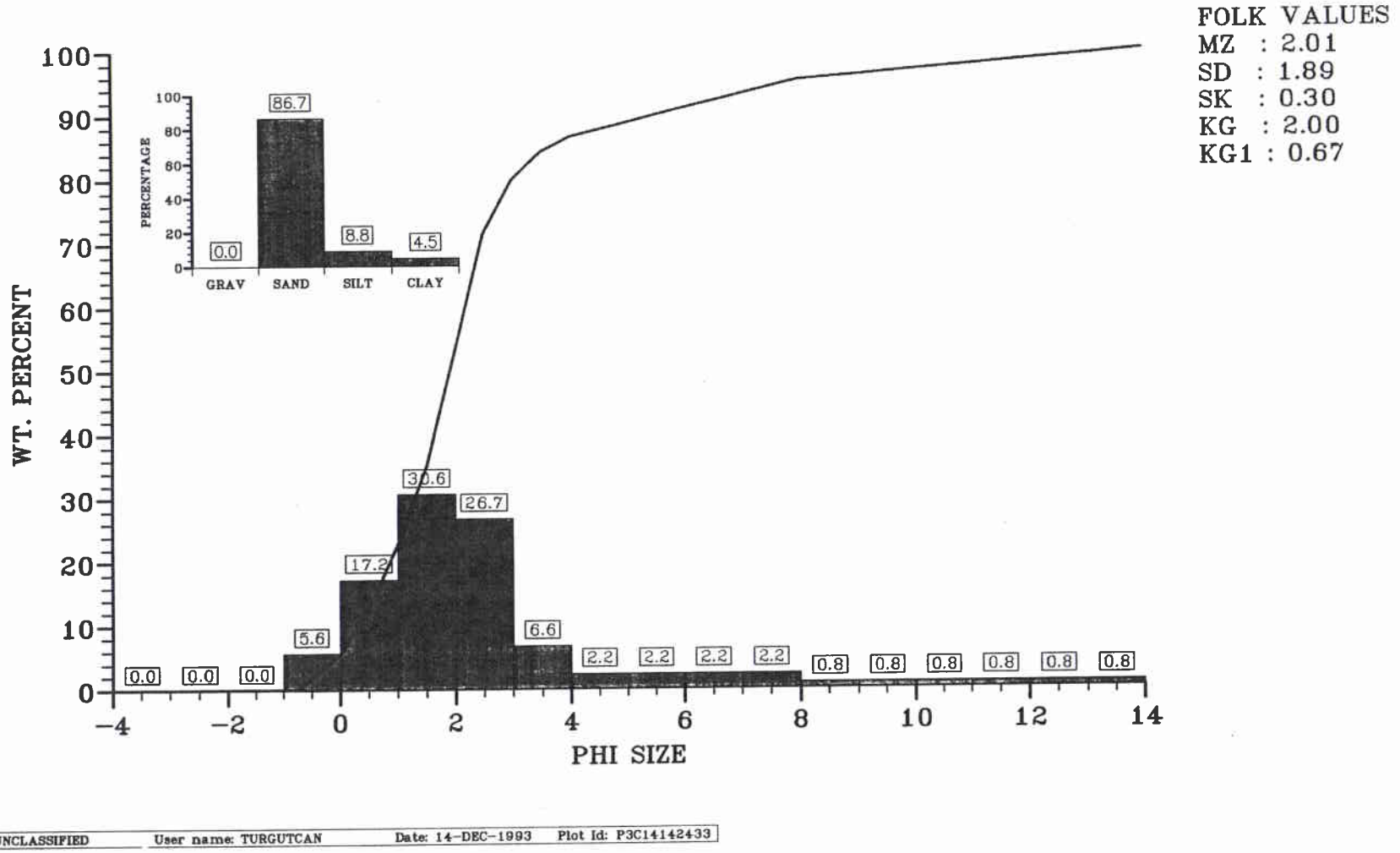
MEAN	ST.DEV	SKEW	KURT	N.KURT
4.23	2.72	0.36	1.15	0.53

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
3.67	4.51	2.55	0.33	0.75	0.88

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00010



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Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-0.50	0.58	1.87	1.87
-0.25	0.58	1.87	3.74
0.00	0.58	1.87	5.61
0.25	1.07	3.46	9.07
0.50	1.07	3.46	12.53
0.75	1.58	5.12	17.65
1.00	1.58	5.12	22.77
1.25	1.89	6.15	28.92
1.50	1.89	6.15	35.07
1.75	2.81	9.13	44.20
2.00	2.81	9.13	53.33
2.25	2.81	9.12	62.45
2.50	2.81	9.12	71.58
2.75	1.30	4.22	75.80
3.00	1.30	4.22	80.02
3.25	0.66	2.15	82.18
3.50	0.66	2.15	84.33
3.75	0.36	1.16	85.49
4.00	0.36	1.16	86.65
4.50	0.34	1.10	87.76
5.00	0.34	1.10	88.86
5.50	0.34	1.10	89.96
6.00	0.34	1.10	91.06
6.50	0.34	1.10	92.16
7.00	0.34	1.10	93.26
7.50	0.34	1.10	94.36
8.00	0.34	1.10	95.46
9.00	0.23	0.76	96.22
10.00	0.23	0.76	96.97
11.00	0.23	0.76	97.73
12.00	0.23	0.76	98.49
13.00	0.23	0.76	99.24
14.00	0.23	0.76	100.00

Post Analytical Weight : 30.80

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.08	0.67	1.09	1.91	2.70	3.46	7.79

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	86.65	8.81	4.54

FOLK VALUES :

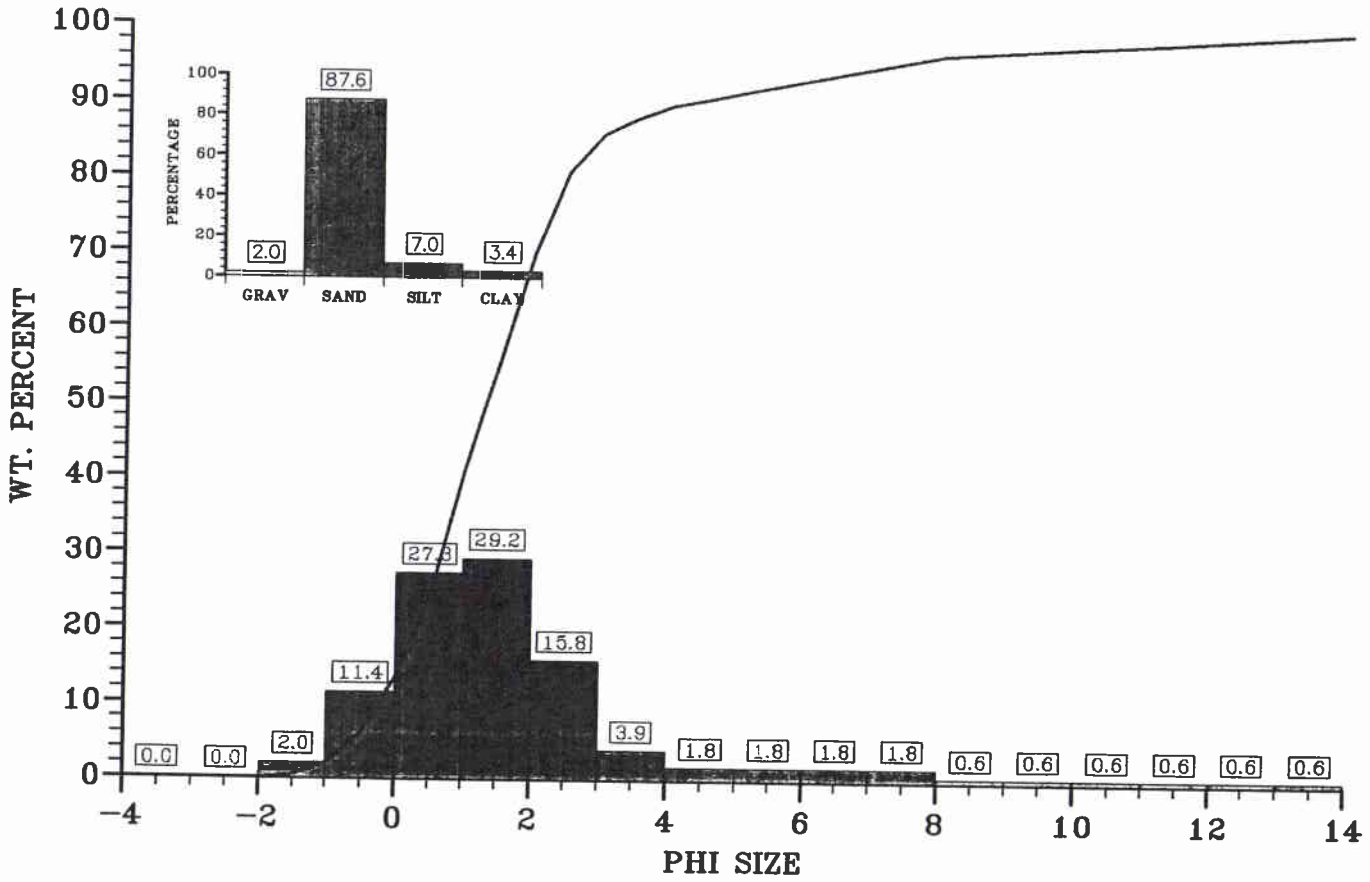
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.01	1.89	0.30	2.00	0.67

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.91	2.07	1.40	0.11	1.39	1.82

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00015



FOLK VALUES
MZ : 1.42
SD : 1.84
SK : 0.30
KG : 1.85
KG1 : 0.65

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17163509

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00267 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.08	0.23	0.23
-1.50	0.08	0.23	0.45
-1.25	0.26	0.77	1.22
-1.00	0.26	0.77	2.00
-0.75	0.70	2.04	4.03
-0.50	0.70	2.04	6.07
-0.25	1.27	3.69	9.76
0.00	1.27	3.69	13.45
0.25	1.84	5.36	18.81
0.50	1.84	5.36	24.17
0.75	2.85	8.29	32.46
1.00	2.85	8.29	40.75
1.25	2.49	7.24	47.99
1.50	2.49	7.24	55.23
1.75	2.54	7.38	62.61
2.00	2.54	7.38	70.00
2.25	1.86	5.40	75.40
2.50	1.86	5.40	80.79
2.75	0.85	2.48	83.28
3.00	0.85	2.48	85.76
3.25	0.37	1.09	86.84
3.50	0.37	1.09	87.93
3.75	0.29	0.86	88.79
4.00	0.29	0.86	89.64
4.50	0.30	0.88	90.52
5.00	0.30	0.88	91.40
5.50	0.30	0.88	92.27
6.00	0.30	0.88	93.15
6.50	0.30	0.88	94.02
7.00	0.30	0.88	94.90
7.50	0.30	0.88	95.77
8.00	0.30	0.88	96.65
9.00	0.19	0.56	97.21
10.00	0.19	0.56	97.77
11.00	0.19	0.56	98.32
12.00	0.19	0.56	98.88
13.00	0.19	0.56	99.44
14.00	0.19	0.56	100.00

Post Analytical Weight : 34.38

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.63	0.12	0.53	1.32	2.23	2.82	7.06

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
2.00	87.65	7.00	3.35

FOLK VALUES :

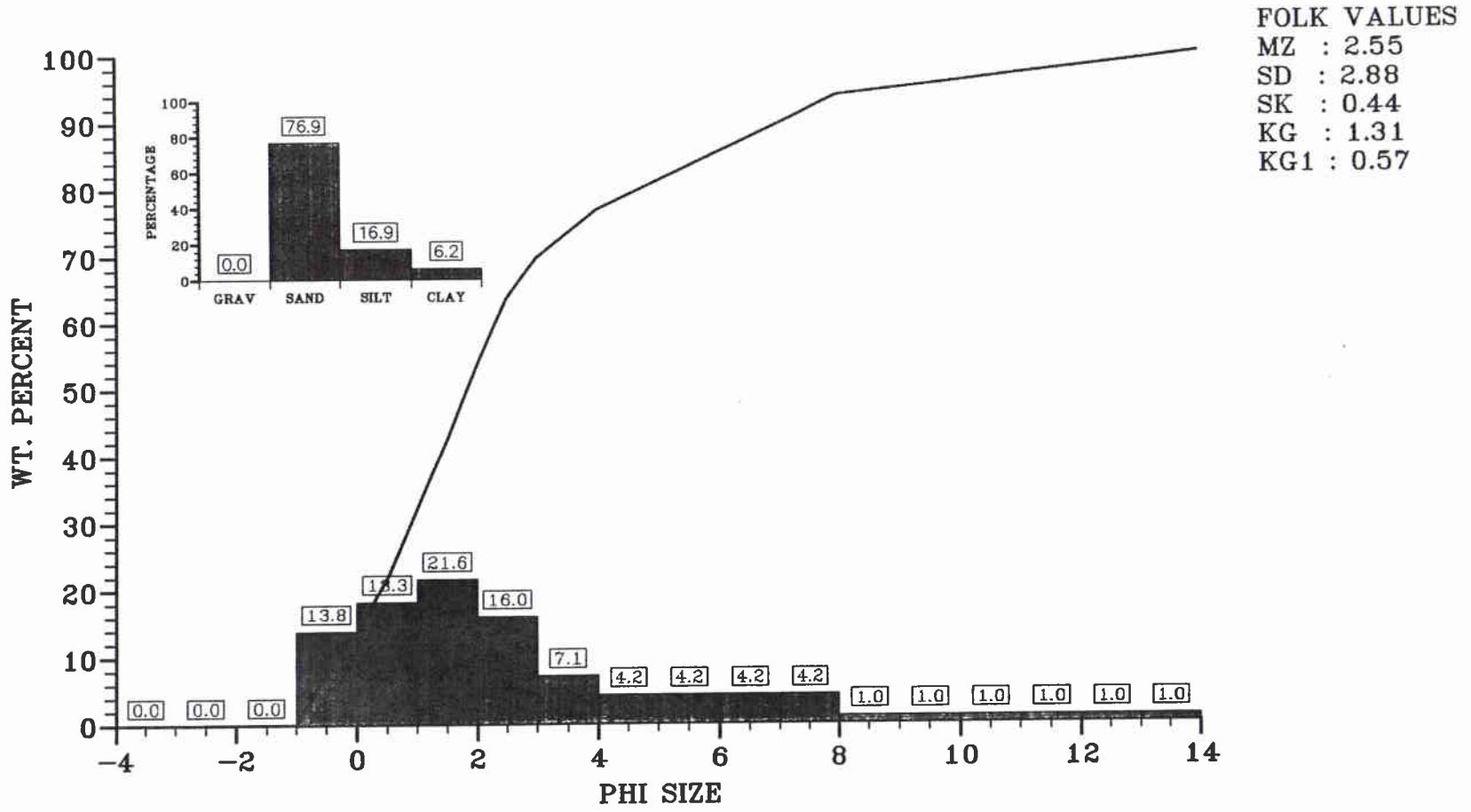
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.42	1.84	0.30	1.85	0.65

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.32	1.47	1.35	0.11	1.40	1.84

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00020



UNCLASSIFIED User name: TURGUTCAN Date: 14-DEC-1993 Plot Id: P3C14142725

Cruise : MAJORICA Station : 00267 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-0.75	1.31	3.82	3.82
-0.50	1.31	3.82	7.65
-0.25	1.06	3.10	10.74
0.00	1.06	3.10	13.84
0.25	1.35	3.95	17.79
0.50	1.35	3.94	21.73
0.75	1.78	5.18	26.91
1.00	1.78	5.18	32.09
1.25	1.78	5.19	37.29
1.50	1.78	5.19	42.48
1.75	1.93	5.62	48.10
2.00	1.93	5.62	53.73
2.25	1.73	5.04	58.77
2.50	1.73	5.04	63.81
2.75	1.01	2.95	66.76
3.00	1.01	2.95	69.71
3.25	0.63	1.83	71.54
3.50	0.63	1.83	73.37
3.75	0.60	1.75	75.11
4.00	0.60	1.75	76.86
4.50	0.73	2.12	78.98
5.00	0.73	2.12	81.10
5.50	0.73	2.12	83.21
6.00	0.73	2.12	85.33
6.50	0.73	2.12	87.45
7.00	0.73	2.12	89.57
7.50	0.73	2.12	91.69
8.00	0.73	2.12	93.80
9.00	0.35	1.03	94.84
10.00	0.35	1.03	95.87
11.00	0.35	1.03	96.90
12.00	0.35	1.03	97.93
13.00	0.35	1.03	98.97
14.00	0.35	1.03	100.00

Post Analytical Weight : 34.28

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.67	0.14	0.66	1.83	3.73	5.69	9.16

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	76.86	16.94	6.20

FOLK VALUES :

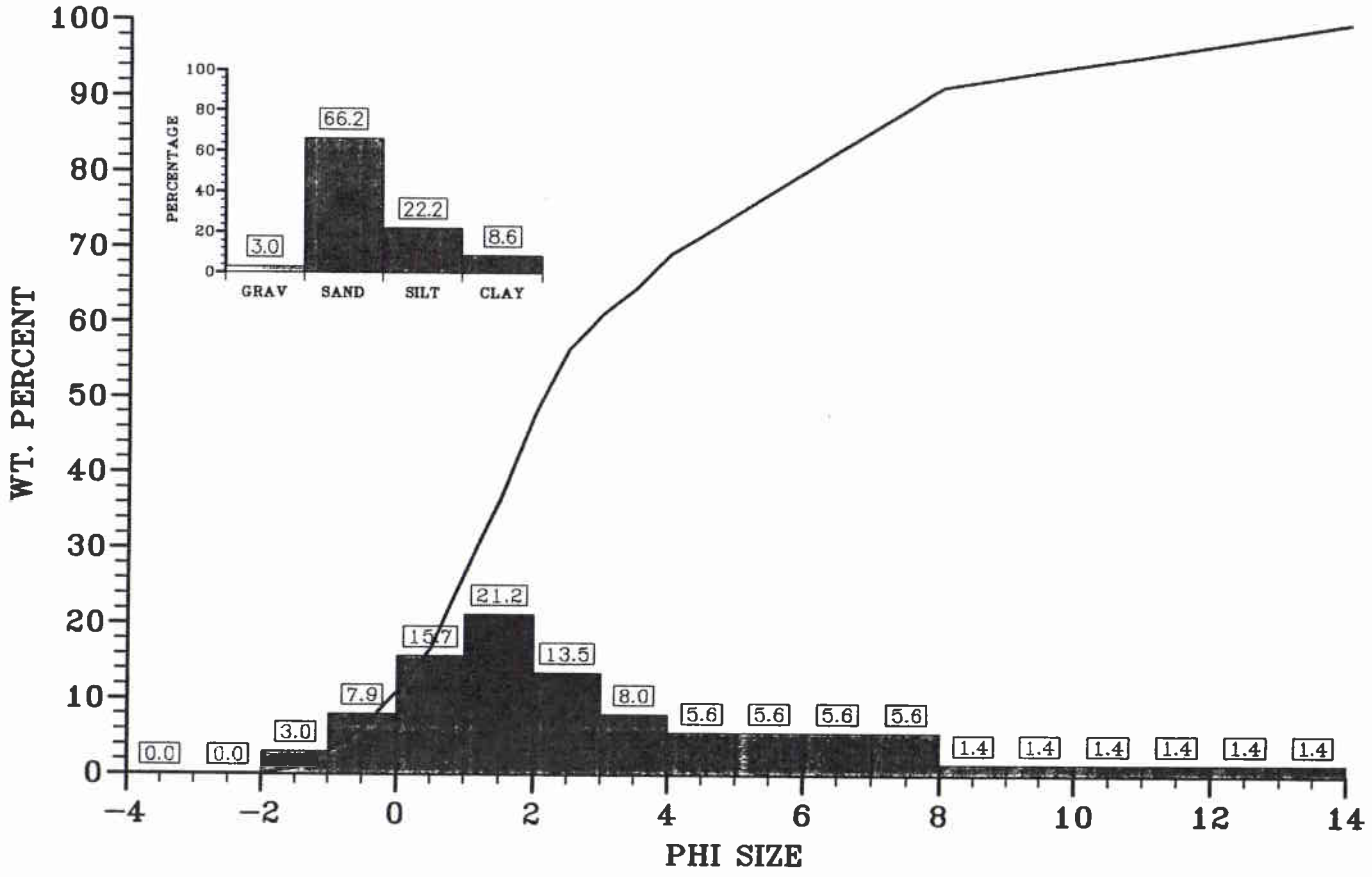
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.55	2.88	0.44	1.31	0.57

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.83	2.91	2.77	0.39	0.87	0.77

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00025



FOLK VALUES
MZ : 3.08
SD : 3.25
SK : 0.48
KG : 1.11
KG1 : 0.53

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17163707

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00267 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.12	0.39	0.39
-1.50	0.12	0.39	0.78
-1.25	0.34	1.09	1.87
-1.00	0.34	1.09	2.97
-0.75	0.48	1.52	4.48
-0.50	0.48	1.52	6.00
-0.25	0.77	2.46	8.46
0.00	0.77	2.46	10.91
0.25	0.91	2.90	13.81
0.50	0.91	2.90	16.72
0.75	1.55	4.93	21.65
1.00	1.55	4.93	26.59
1.25	1.57	4.99	31.57
1.50	1.57	4.99	36.56
1.75	1.76	5.61	42.17
2.00	1.76	5.61	47.78
2.25	1.38	4.38	52.16
2.50	1.38	4.38	56.54
2.75	0.74	2.35	58.90
3.00	0.74	2.35	61.25
3.25	0.55	1.74	62.99
3.50	0.55	1.74	64.73
3.75	0.70	2.24	66.97
4.00	0.70	2.24	69.21
4.50	0.87	2.78	71.99
5.00	0.87	2.78	74.76
5.50	0.87	2.78	77.54
6.00	0.87	2.78	80.32
6.50	0.87	2.78	83.10
7.00	0.87	2.78	85.87
7.50	0.87	2.78	88.65
8.00	0.87	2.78	91.43
9.00	0.45	1.43	92.86
10.00	0.45	1.43	94.29
11.00	0.45	1.43	95.71
12.00	0.45	1.43	97.14
13.00	0.45	1.43	98.57
14.00	0.45	1.43	100.00

Post Analytical Weight : 31.43

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.66	0.44	0.92	2.13	5.04	6.66	10.50

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
2.97	66.24	22.22	8.57

FOLK VALUES :

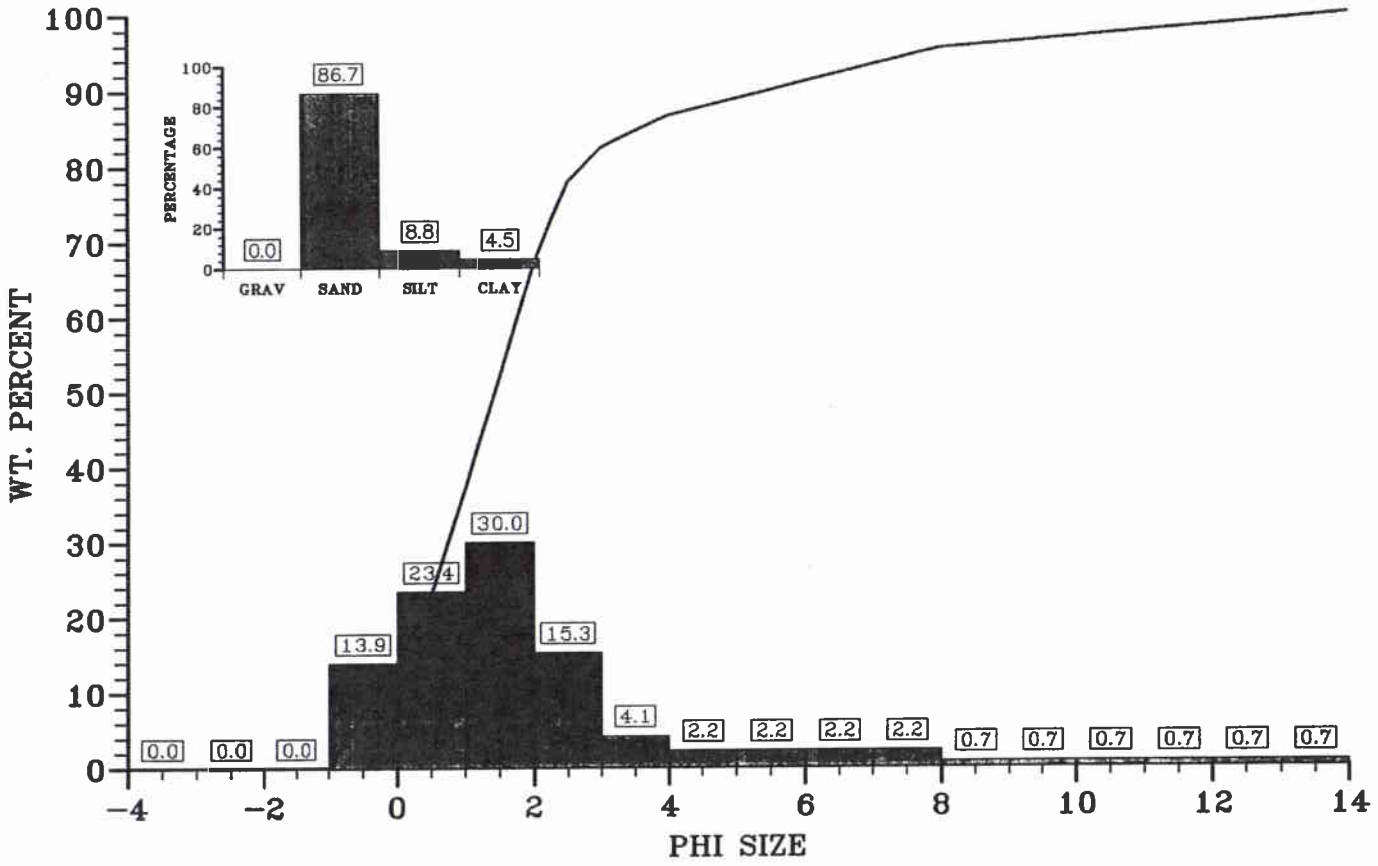
MEAN	ST.DEV	SKEW	KURT	N.KURT
3.08	3.25	0.48	1.11	0.53

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.13	3.55	3.11	0.46	0.90	0.79

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00030



FOLK VALUES
MZ : 1.63
SD : 2.08
SK : 0.34
KG : 1.93
KG1 : 0.66

UNCLASSIFIED User name: TURGUTCAN Date: 14-DEC-1993 Plot Id: P3C14142917

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00267 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-0.75	1.38	3.60	3.60
-0.50	1.38	3.60	7.20
-0.25	1.28	3.34	10.54
0.00	1.28	3.34	13.87
0.25	1.76	4.61	18.48
0.50	1.76	4.61	23.09
0.75	2.71	7.09	30.18
1.00	2.71	7.09	37.27
1.25	2.83	7.40	44.67
1.50	2.83	7.40	52.07
1.75	2.91	7.61	59.67
2.00	2.91	7.61	67.28
2.25	2.07	5.40	72.67
2.50	2.07	5.40	78.07
2.75	0.86	2.24	80.31
3.00	0.86	2.24	82.55
3.25	0.41	1.08	83.63
3.50	0.41	1.08	84.71
3.75	0.38	1.00	85.70
4.00	0.38	1.00	86.70
4.50	0.42	1.10	87.80
5.00	0.42	1.10	88.90
5.50	0.42	1.10	90.00
6.00	0.42	1.10	91.11
6.50	0.42	1.10	92.21
7.00	0.42	1.10	93.31
7.50	0.42	1.10	94.41
8.00	0.42	1.10	95.52
9.00	0.29	0.75	96.26
10.00	0.29	0.75	97.01
11.00	0.29	0.75	97.76
12.00	0.29	0.75	98.51
13.00	0.29	0.75	99.25
14.00	0.29	0.75	100.00

Post Analytical Weight : 38.27

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.65	0.12	0.57	1.43	2.36	3.34	7.77

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	86.70	8.82	4.48

FOLK VALUES :

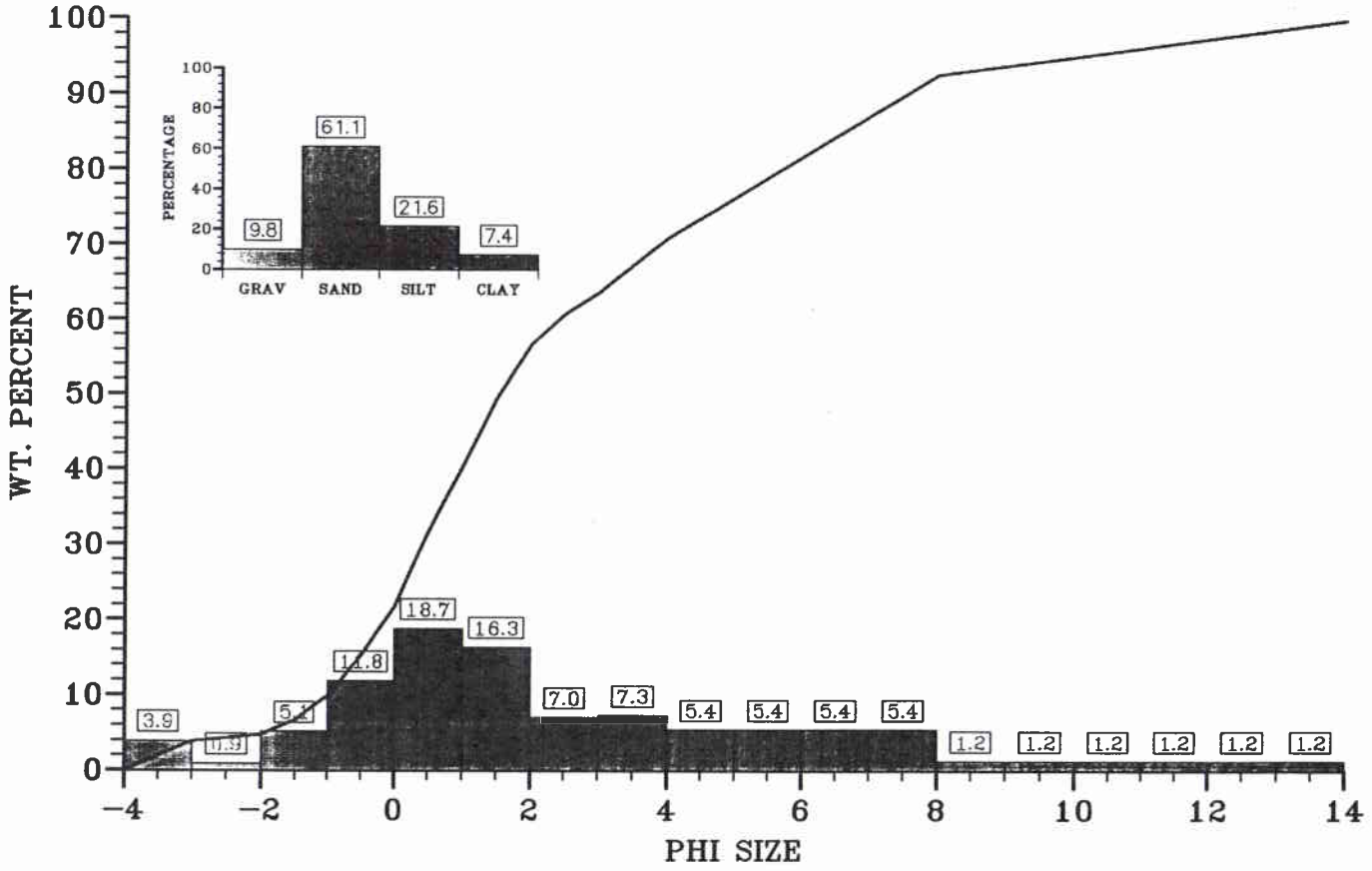
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.63	2.08	0.34	1.93	0.66

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.43	1.73	1.61	0.18	1.32	1.61

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00035



FOLK VALUES
MZ : 2.50
SD : 3.52
SK : 0.42
KG : 1.06
KG1 : 0.52

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17164132

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00267 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.38	0.96	0.96
-3.50	0.38	0.96	1.93
-3.25	0.38	0.96	2.89
-3.00	0.38	0.96	3.86
-2.75	0.09	0.22	4.07
-2.50	0.09	0.22	4.29
-2.25	0.09	0.22	4.51
-2.00	0.09	0.22	4.73
-1.75	0.38	0.95	5.68
-1.50	0.38	0.95	6.64
-1.25	0.63	1.59	8.23
-1.00	0.63	1.59	9.82
-0.75	1.08	2.71	12.53
-0.50	1.08	2.71	15.24
-0.25	1.27	3.20	18.44
0.00	1.27	3.20	21.64
0.25	1.99	5.00	26.63
0.50	1.99	5.00	31.63
0.75	1.74	4.38	36.01
1.00	1.74	4.38	40.38
1.25	1.80	4.53	44.91
1.50	1.80	4.53	49.44
1.75	1.44	3.61	53.06
2.00	1.44	3.61	56.67
2.25	0.82	2.06	58.73
2.50	0.82	2.06	60.79
2.75	0.57	1.45	62.24
3.00	0.57	1.45	63.68
3.25	0.75	1.87	65.56
3.50	0.75	1.87	67.43
3.75	0.70	1.76	69.19
4.00	0.70	1.76	70.95
4.50	1.07	2.70	73.65
5.00	1.07	2.70	76.36
5.50	1.07	2.70	79.06
6.00	1.07	2.70	81.76
6.50	1.07	2.70	84.46
7.00	1.07	2.70	87.16
7.50	1.07	2.70	89.86
8.00	1.07	2.70	92.56
9.00	0.49	1.24	93.80
10.00	0.49	1.24	95.04
11.00	0.49	1.24	96.28
12.00	0.49	1.24	97.52
13.00	0.49	1.24	98.76
14.00	0.49	1.24	100.00

Post Analytical Weight : 39.74

Cruise : MAJORICA Station : 00267 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.93	-0.44	0.17	1.54	4.75	6.42	9.97

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
9.82	61.13	21.60	7.44

FOLK VALUES :

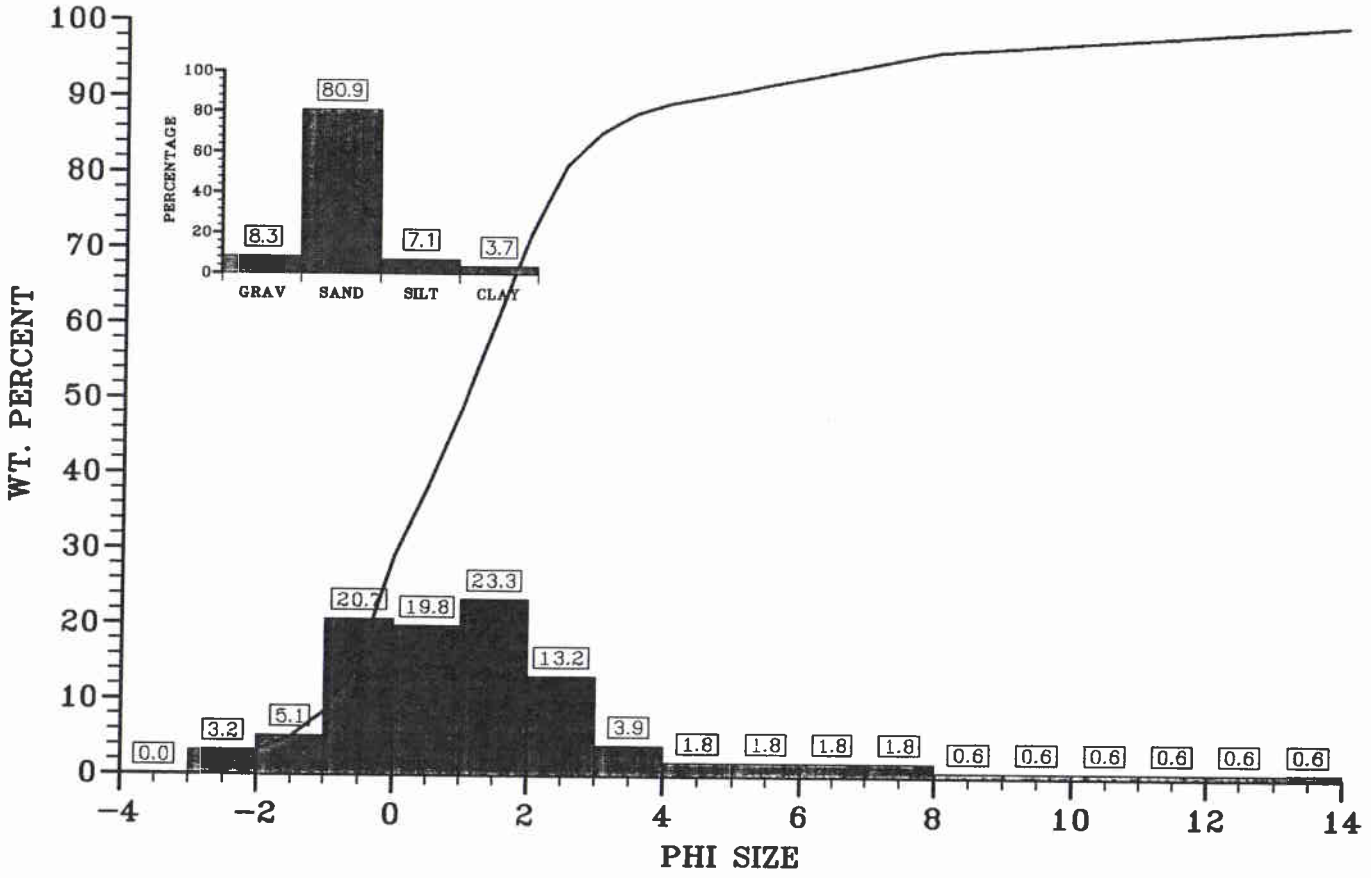
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.50	3.52	0.42	1.06	0.52

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.54	2.99	3.43	0.42	0.72	0.74

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00267 SAMPLE : 00040



FOLK VALUES
MZ : 1.14
SD : 2.16
SK : 0.25
KG : 1.56
KG1 : 0.61

UNCLASSIFIED User name: TURGUTCAN Date: 14-DEC-1993 Plot Id: P3C14143131

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00267 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.70	1.59	1.59
-2.00	0.70	1.59	3.18
-1.75	0.41	0.93	4.11
-1.50	0.41	0.93	5.04
-1.25	0.73	1.64	6.68
-1.00	0.73	1.64	8.33
-0.75	1.51	3.40	11.72
-0.50	1.51	3.40	15.12
-0.25	3.08	6.95	22.07
0.00	3.08	6.95	29.02
0.25	2.11	4.75	33.77
0.50	2.11	4.75	38.53
0.75	2.28	5.15	43.67
1.00	2.28	5.15	48.82
1.25	2.63	5.94	54.76
1.50	2.63	5.94	60.70
1.75	2.54	5.72	66.42
2.00	2.54	5.72	72.15
2.25	1.95	4.40	76.55
2.50	1.95	4.40	80.95
2.75	0.96	2.18	83.12
3.00	0.96	2.18	85.30
3.25	0.56	1.26	86.56
3.50	0.56	1.26	87.83
3.75	0.31	0.71	88.53
4.00	0.31	0.71	89.24
4.50	0.39	0.89	90.13
5.00	0.39	0.89	91.01
5.50	0.39	0.89	91.90
6.00	0.39	0.89	92.79
6.50	0.39	0.89	93.67
7.00	0.39	0.89	94.56
7.50	0.39	0.89	95.45
8.00	0.39	0.89	96.33
9.00	0.27	0.61	96.94
10.00	0.27	0.61	97.56
11.00	0.27	0.61	98.17
12.00	0.27	0.61	98.78
13.00	0.27	0.61	99.39
14.00	0.27	0.61	100.00

Post Analytical Weight : 44.34

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.51	-0.47	-0.14	1.05	2.16	2.85	7.25

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
8.33	80.91	7.09	3.67

FOLK VALUES :

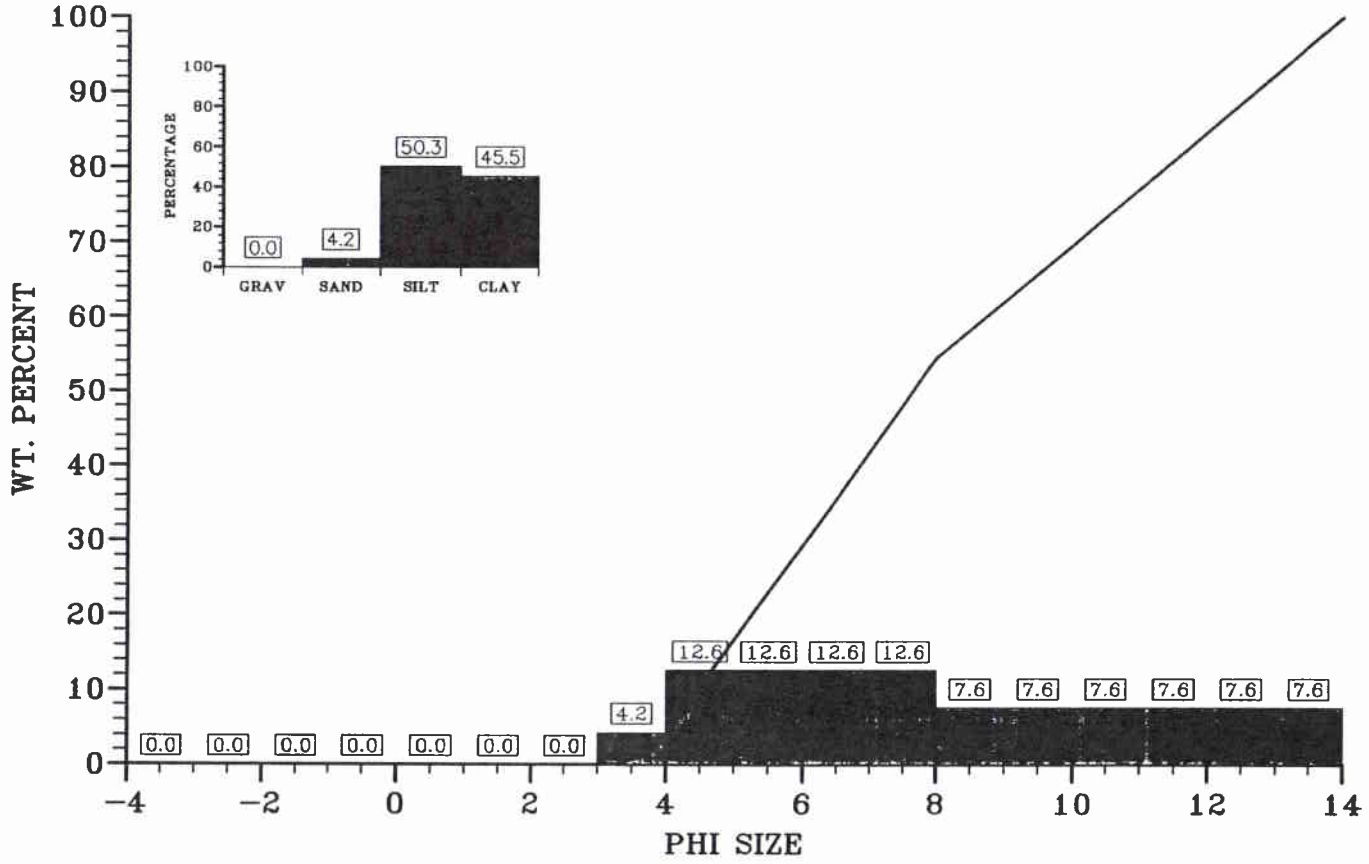
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.14	2.16	0.25	1.56	0.61

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.05	1.19	1.66	0.09	1.10	1.64

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00001



FOLK VALUES
MZ : 8.16
SD : 3.14
SK : 0.23
KG : 0.75
KG1 : 0.43

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15145508

Cruise : MAJORICA Station : 00268 Sample : 00001
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
3.50	0.10	0.68	0.68
3.75	0.12	0.81	1.49
4.00	0.40	2.73	4.22
4.50	0.92	6.29	10.51
5.00	0.92	6.29	16.80
5.50	0.92	6.29	23.08
6.00	0.92	6.29	29.37
6.50	0.92	6.29	35.66
7.00	0.92	6.29	41.95
7.50	0.92	6.29	48.24
8.00	0.92	6.29	54.53
9.00	1.11	7.58	62.11
10.00	1.11	7.58	69.68
11.00	1.11	7.58	77.26
12.00	1.11	7.58	84.84
13.00	1.11	7.58	92.42
14.00	1.11	7.58	100.00

Post Analytical Weight : 14.65

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
4.06	4.94	5.65	7.64	10.70	11.89	13.34

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	4.22	50.31	45.47

FOLK VALUES :

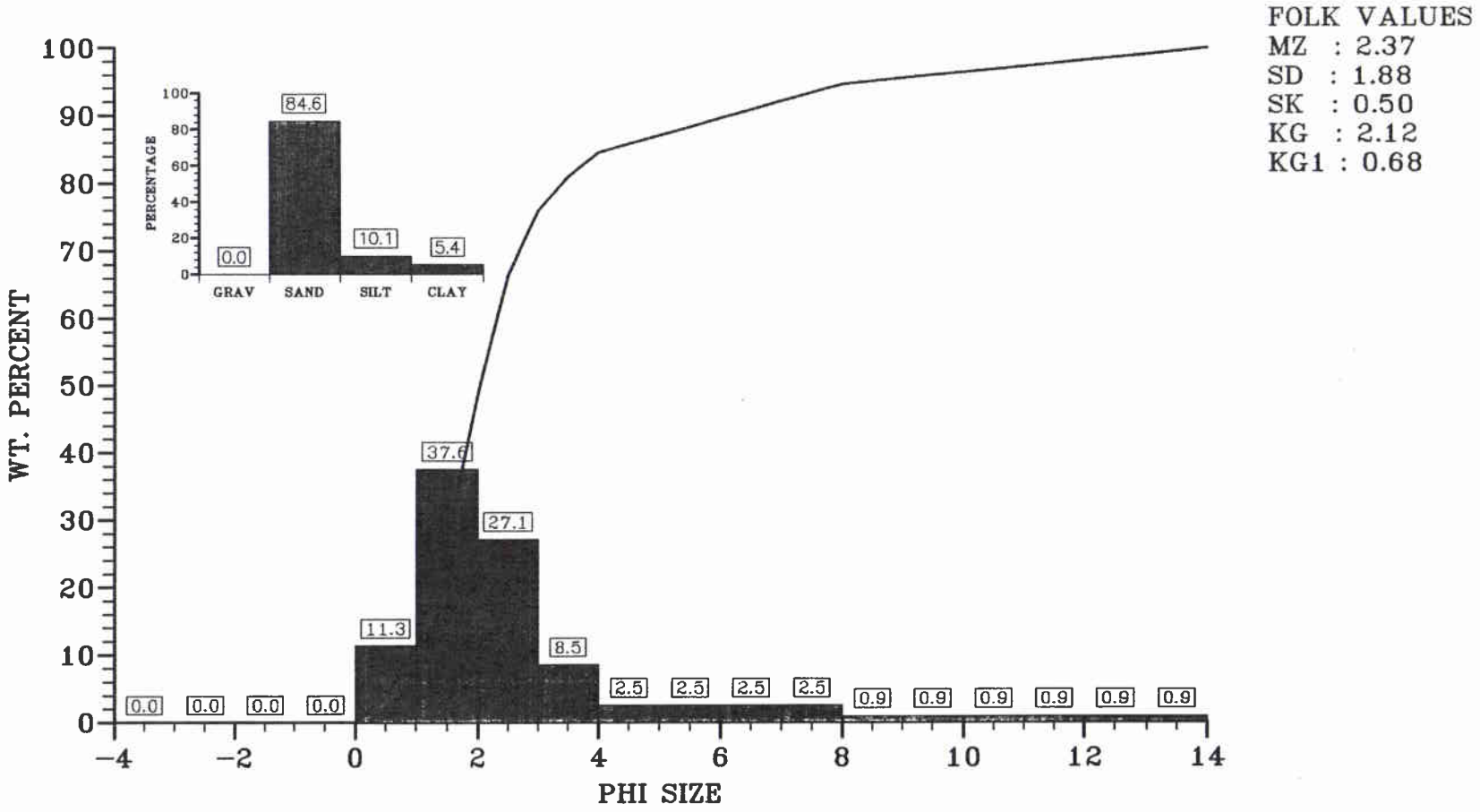
MEAN	ST.DEV	SKEW	KURT	N.KURT
8.16	3.14	0.23	0.75	0.43

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
7.64	8.41	3.48	0.22	0.31	0.33

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00005



UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15151101

Cruise : MAJORICA Station : 00268 Sample : 00005
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
0.25	0.65	1.87	1.87
0.50	0.65	1.87	3.73
0.75	1.33	3.80	7.54
1.00	1.33	3.80	11.34
1.25	2.77	7.93	19.27
1.50	2.77	7.93	27.19
1.75	3.80	10.85	38.05
2.00	3.80	10.85	48.90
2.25	3.09	8.83	57.73
2.50	3.09	8.83	66.56
2.75	1.66	4.74	71.30
3.00	1.66	4.74	76.04
3.25	0.86	2.46	78.50
3.50	0.86	2.46	80.95
3.75	0.63	1.81	82.76
4.00	0.63	1.81	84.57
4.50	0.44	1.26	85.83
5.00	0.44	1.26	87.09
5.50	0.44	1.26	88.35
6.00	0.44	1.26	89.60
6.50	0.44	1.26	90.86
7.00	0.44	1.26	92.12
7.50	0.44	1.26	93.38
8.00	0.44	1.26	94.63
9.00	0.31	0.89	95.53
10.00	0.31	0.89	96.42
11.00	0.31	0.89	97.32
12.00	0.31	0.89	98.21
13.00	0.31	0.89	99.11
14.00	0.31	0.89	100.00

Post Analytical Weight : 34.99

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
0.58	1.15	1.43	2.03	2.95	3.92	8.41

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	84.57	10.06	5.37

FOLK VALUES :

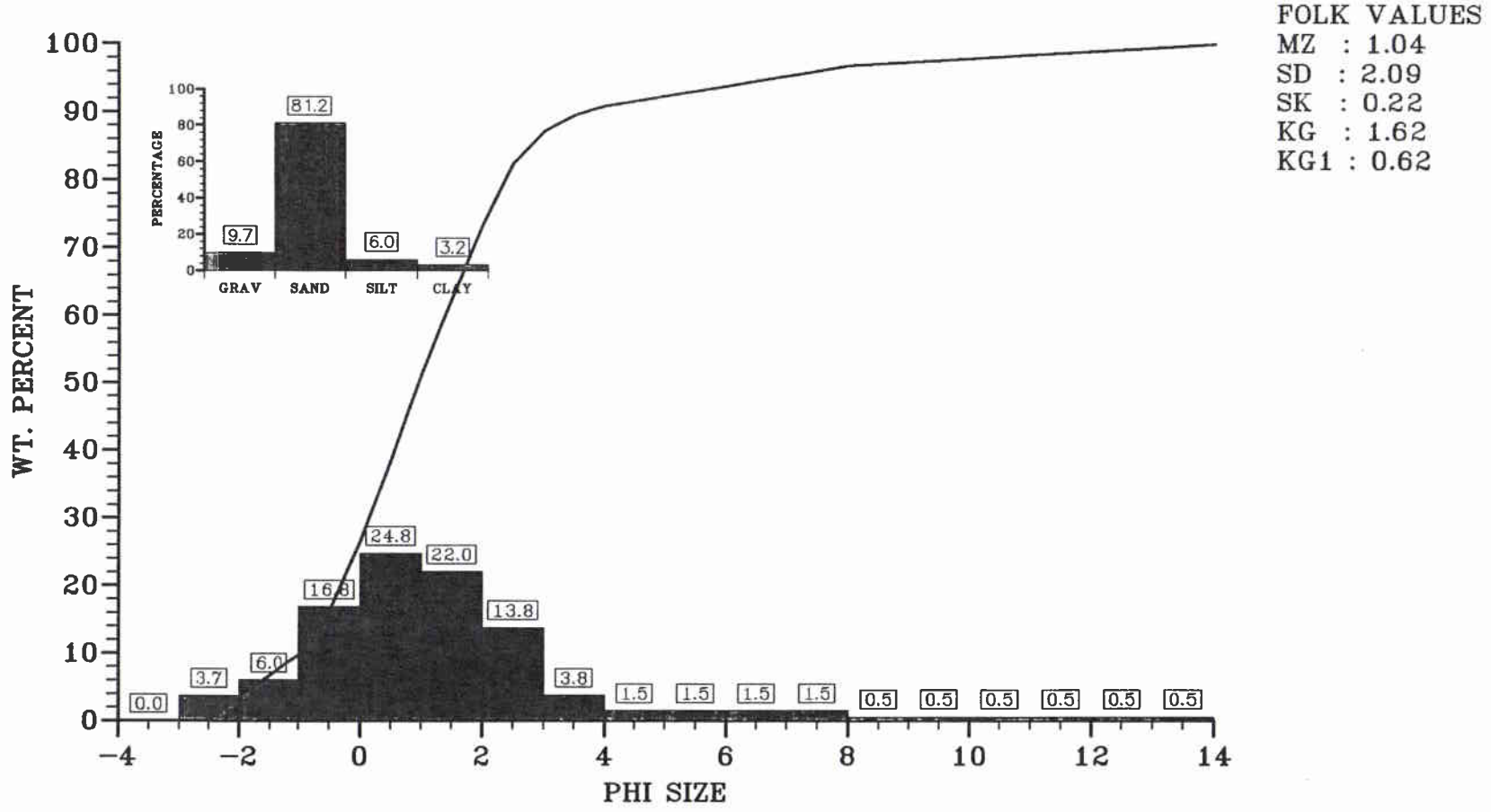
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.37	1.88	0.50	2.12	0.68

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.03	2.53	1.39	0.36	1.78	1.82

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00010



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152711

Cruise : MAJORICA Station : 00268 Sample : 00010
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.65	1.85	1.85
-2.00	0.65	1.85	3.71
-1.75	0.52	1.50	5.21
-1.50	0.52	1.50	6.71
-1.25	0.52	1.50	8.20
-1.00	0.52	1.50	9.70
-0.75	1.12	3.20	12.90
-0.50	1.12	3.20	16.09
-0.25	1.83	5.22	21.31
0.00	1.83	5.22	26.53
0.25	2.10	6.00	32.52
0.50	2.10	6.00	38.52
0.75	2.24	6.38	44.90
1.00	2.24	6.38	51.29
1.25	1.97	5.63	56.91
1.50	1.97	5.63	62.54
1.75	1.89	5.39	67.93
2.00	1.89	5.39	73.33
2.25	1.60	4.56	77.89
2.50	1.60	4.56	82.45
2.75	0.81	2.32	84.77
3.00	0.81	2.32	87.09
3.25	0.42	1.21	88.29
3.50	0.42	1.21	89.50
3.75	0.24	0.68	90.18
4.00	0.24	0.68	90.85
4.50	0.26	0.75	91.60
5.00	0.26	0.75	92.35
5.50	0.26	0.75	93.09
6.00	0.26	0.75	93.84
6.50	0.26	0.75	94.59
7.00	0.26	0.75	95.34
7.50	0.26	0.75	96.09
8.00	0.26	0.75	96.83
9.00	0.19	0.53	97.36
10.00	0.19	0.53	97.89
11.00	0.19	0.53	98.42
12.00	0.19	0.53	98.94
13.00	0.19	0.53	99.47
14.00	0.19	0.53	100.00

Post Analytical Weight : 35.05

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.78	-0.51	-0.07	0.95	2.09	2.67	6.77

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
9.70	81.15	5.98	3.17

FOLK VALUES :

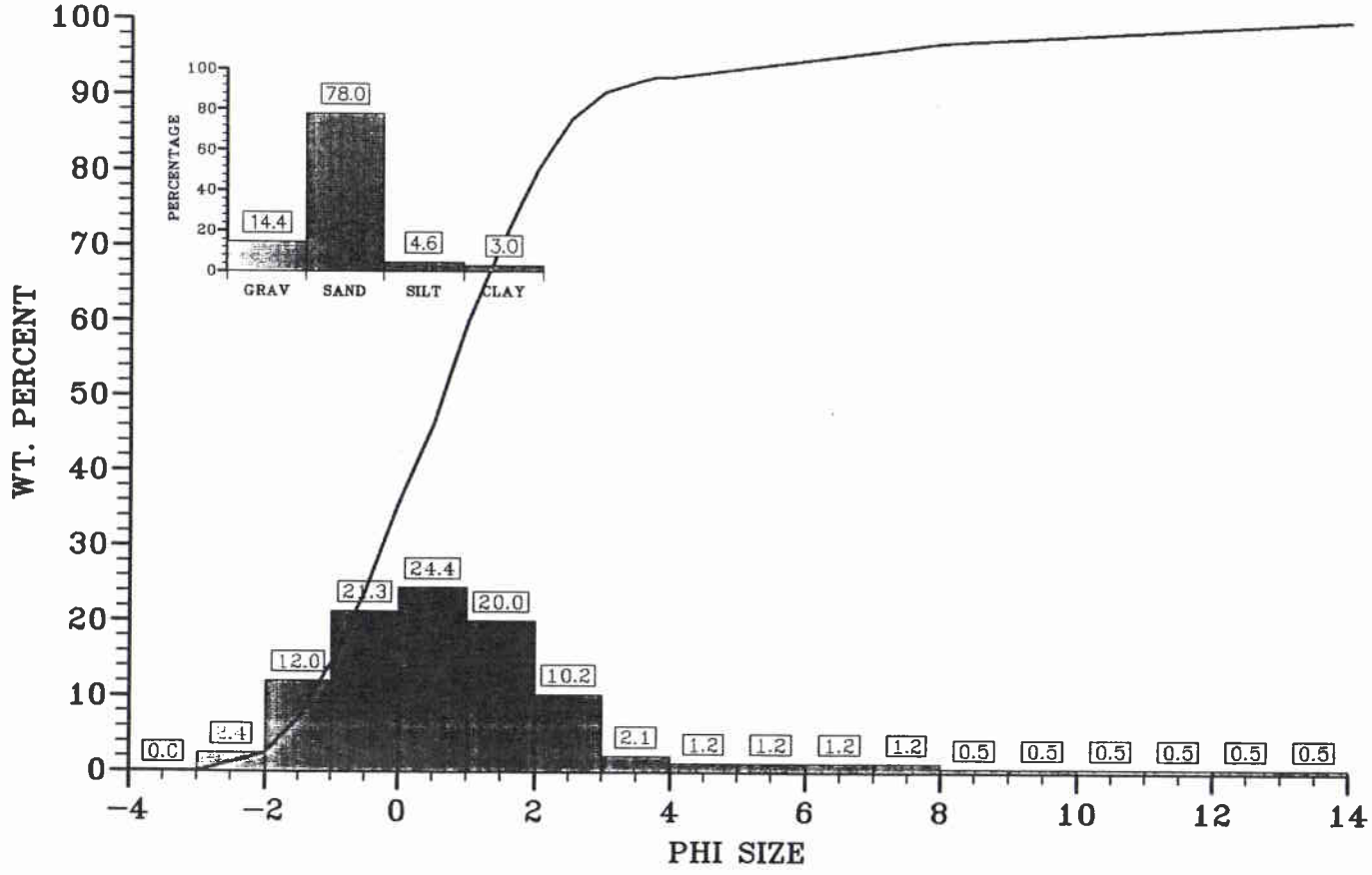
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.04	2.09	0.22	1.62	0.62

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.95	1.08	1.59	0.08	0.97	1.70

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00015



FOLK VALUES
MZ : 0.67
SD : 2.01
SK : 0.22
KG : 1.50
KG1 : 0.60

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17164428

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.23	0.60	0.60
-2.50	0.23	0.60	1.21
-2.25	0.23	0.60	1.81
-2.00	0.23	0.60	2.42
-1.75	0.89	2.32	4.74
-1.50	0.89	2.32	7.05
-1.25	1.42	3.68	10.74
-1.00	1.42	3.68	14.42
-0.75	1.82	4.72	19.14
-0.50	1.82	4.72	23.86
-0.25	2.29	5.93	29.78
0.00	2.29	5.93	35.71
0.25	2.03	5.25	40.96
0.50	2.03	5.25	46.21
0.75	2.68	6.95	53.16
1.00	2.68	6.95	60.12
1.25	2.02	5.24	65.35
1.50	2.02	5.24	70.59
1.75	1.83	4.75	75.34
2.00	1.83	4.75	80.08
2.25	1.29	3.35	83.43
2.50	1.29	3.35	86.78
2.75	0.68	1.76	88.55
3.00	0.68	1.76	90.31
3.25	0.29	0.75	91.06
3.50	0.29	0.75	91.82
3.75	0.20	0.52	92.33
4.00	0.02	0.06	92.39
4.50	0.22	0.58	92.97
5.00	0.22	0.58	93.54
5.50	0.22	0.58	94.12
6.00	0.22	0.58	94.69
6.50	0.22	0.58	95.27
7.00	0.22	0.58	95.85
7.50	0.22	0.58	96.42
8.00	0.22	0.58	97.00
9.00	0.19	0.50	97.50
10.00	0.19	0.50	98.00
11.00	0.19	0.50	98.50
12.00	0.19	0.50	99.00
13.00	0.19	0.50	99.50
14.00	0.19	0.50	100.00

Post Analytical Weight : 38.56

Cruise : MAJORICA Station : 00268 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.72	-0.92	-0.45	0.64	1.73	2.29	6.27

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
14.42	77.97	4.61	3.00

FOLK VALUES :

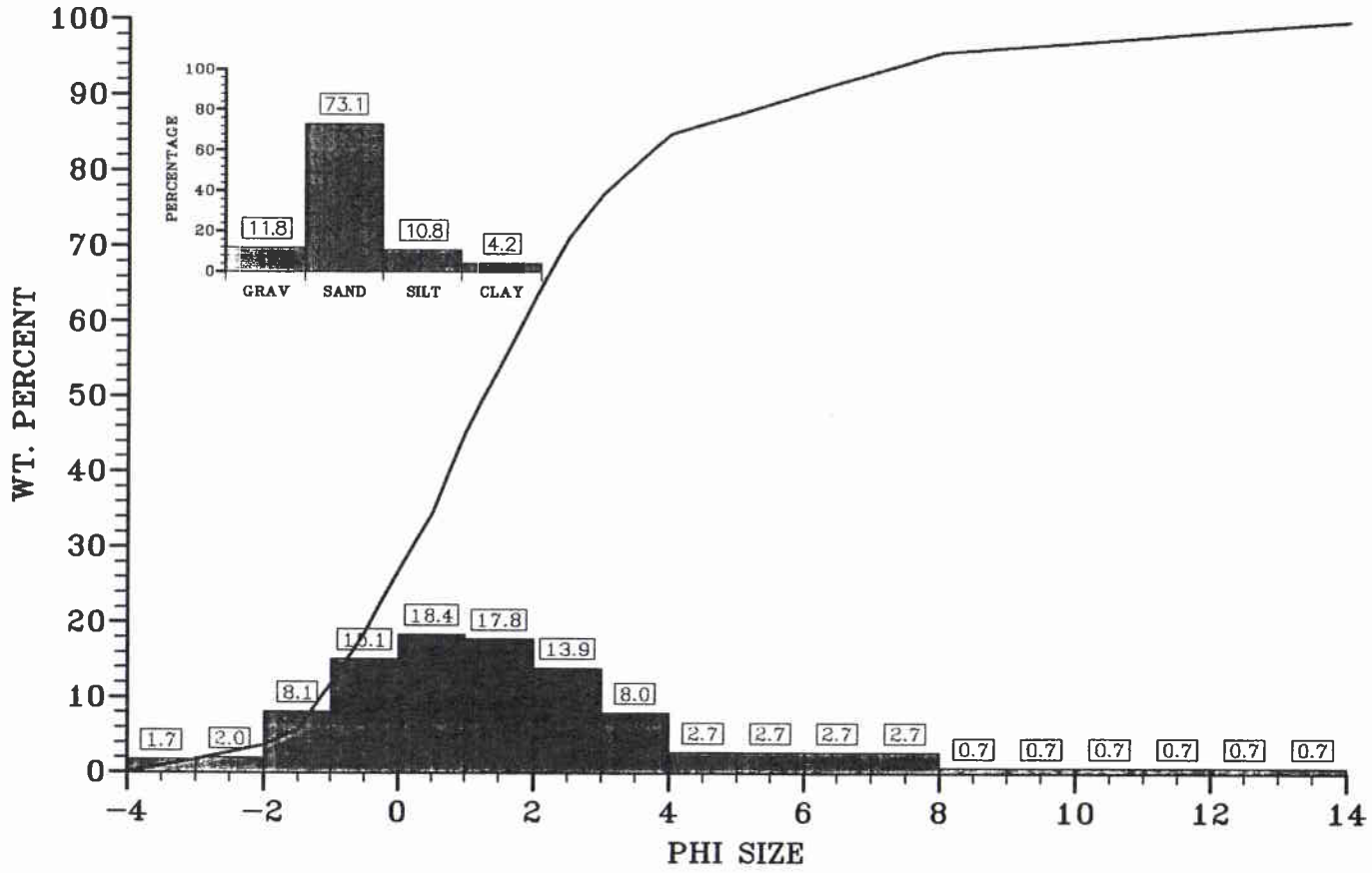
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.67	2.01	0.22	1.50	0.60

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.64	0.69	1.60	0.03	1.02	1.49

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00020



FOLK VALUES
MZ : 1.49
SD : 2.57
SK : 0.26
KG : 1.31
KG1 : 0.57

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160732

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.18	0.43	0.43
-3.50	0.18	0.43	0.86
-3.25	0.18	0.43	1.29
-3.00	0.18	0.43	1.72
-2.75	0.21	0.49	2.21
-2.50	0.21	0.49	2.70
-2.25	0.21	0.49	3.19
-2.00	0.21	0.49	3.68
-1.75	0.44	1.05	4.72
-1.50	0.44	1.05	5.77
-1.25	1.27	3.01	8.78
-1.00	1.27	3.01	11.79
-0.75	1.44	3.42	15.21
-0.50	1.44	3.42	18.63
-0.25	1.75	4.15	22.77
0.00	1.75	4.15	26.92
0.25	1.60	3.80	30.71
0.50	1.60	3.80	34.51
0.75	2.27	5.39	39.90
1.00	2.27	5.39	45.30
1.25	1.81	4.29	49.59
1.50	1.81	4.29	53.89
1.75	1.93	4.58	58.47
2.00	1.93	4.58	63.05
2.25	1.72	4.07	67.13
2.50	1.72	4.07	71.20
2.75	1.21	2.87	74.07
3.00	1.21	2.87	76.95
3.25	0.85	2.03	78.98
3.50	0.85	2.03	81.01
3.75	0.82	1.96	82.96
4.00	0.82	1.96	84.92
4.50	0.57	1.35	86.27
5.00	0.57	1.35	87.63
5.50	0.57	1.35	88.98
6.00	0.57	1.35	90.34
6.50	0.57	1.35	91.69
7.00	0.57	1.35	93.04
7.50	0.57	1.35	94.40
8.00	0.57	1.35	95.75
9.00	0.30	0.71	96.46
10.00	0.30	0.71	97.17
11.00	0.30	0.71	97.88
12.00	0.30	0.71	98.58
13.00	0.30	0.71	99.29
14.00	0.30	0.71	100.00

Post Analytical Weight : 42.10

Cruise : MAJORICA Station : 00268 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.68	-0.69	-0.12	1.27	2.83	3.88	7.72

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
11.79	73.13	10.83	4.25

FOLK VALUES :

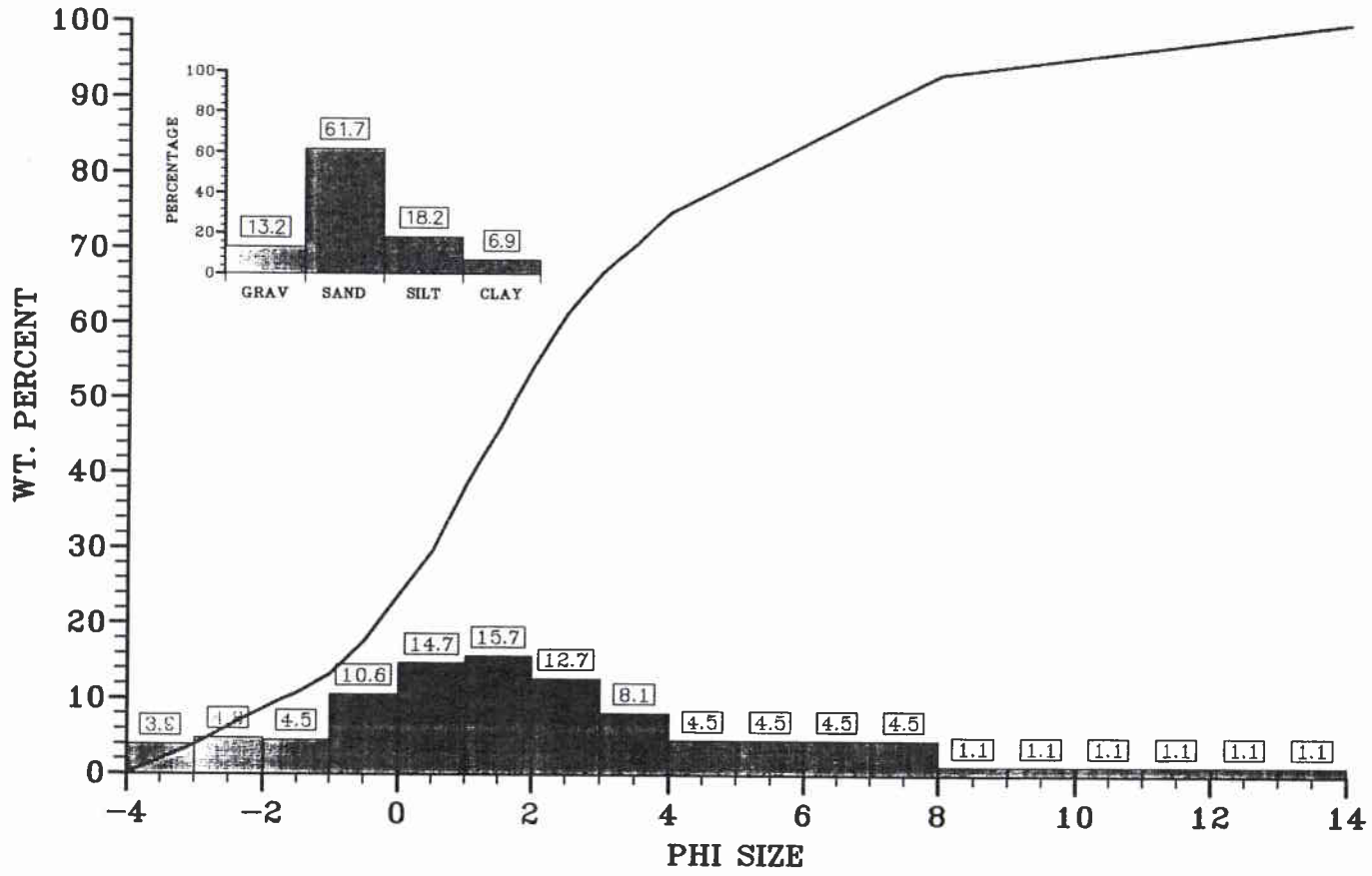
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.49	2.57	0.26	1.31	0.57

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.27	1.60	2.29	0.14	0.76	1.06

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00025



FOLK VALUES
MZ : 2.35
SD : 3.55
SK : 0.27
KG : 1.30
KG1 : 0.57

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17164559

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.41	0.97	0.97
-3.50	0.41	0.97	1.95
-3.25	0.41	0.97	2.92
-3.00	0.41	0.97	3.89
-2.75	0.50	1.20	5.09
-2.50	0.50	1.20	6.29
-2.25	0.50	1.20	7.49
-2.00	0.50	1.20	8.69
-1.75	0.44	1.04	9.72
-1.50	0.44	1.04	10.76
-1.25	0.51	1.22	11.98
-1.00	0.51	1.22	13.20
-0.75	0.94	2.23	15.43
-0.50	0.94	2.23	17.67
-0.25	1.28	3.05	20.71
0.00	1.28	3.05	23.76
0.25	1.24	2.94	26.71
0.50	1.23	2.93	29.64
0.75	1.86	4.42	34.06
1.00	1.86	4.42	38.48
1.25	1.57	3.74	42.22
1.50	1.57	3.74	45.95
1.75	1.72	4.09	50.05
2.00	1.72	4.09	54.14
2.25	1.53	3.64	57.78
2.50	1.53	3.64	61.42
2.75	1.13	2.70	64.12
3.00	1.13	2.70	66.82
3.25	0.81	1.93	68.75
3.50	0.81	1.93	70.68
3.75	0.89	2.13	72.81
4.00	0.89	2.13	74.94
4.50	0.95	2.27	77.21
5.00	0.95	2.27	79.49
5.50	0.95	2.27	81.76
6.00	0.95	2.27	84.03
6.50	0.95	2.27	86.30
7.00	0.95	2.27	88.58
7.50	0.95	2.27	90.85
8.00	0.95	2.27	93.12
9.00	0.48	1.15	94.27
10.00	0.48	1.15	95.42
11.00	0.48	1.15	96.56
12.00	0.48	1.15	97.71
13.00	0.48	1.15	98.85
14.00	0.48	1.15	100.00

Post Analytical Weight : 41.97

Cruise : MAJORICA Station : 00268 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-2.77	-0.69	0.10	1.75	4.01	5.99	9.64

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
13.20	61.74	18.18	6.88

FOLK VALUES :

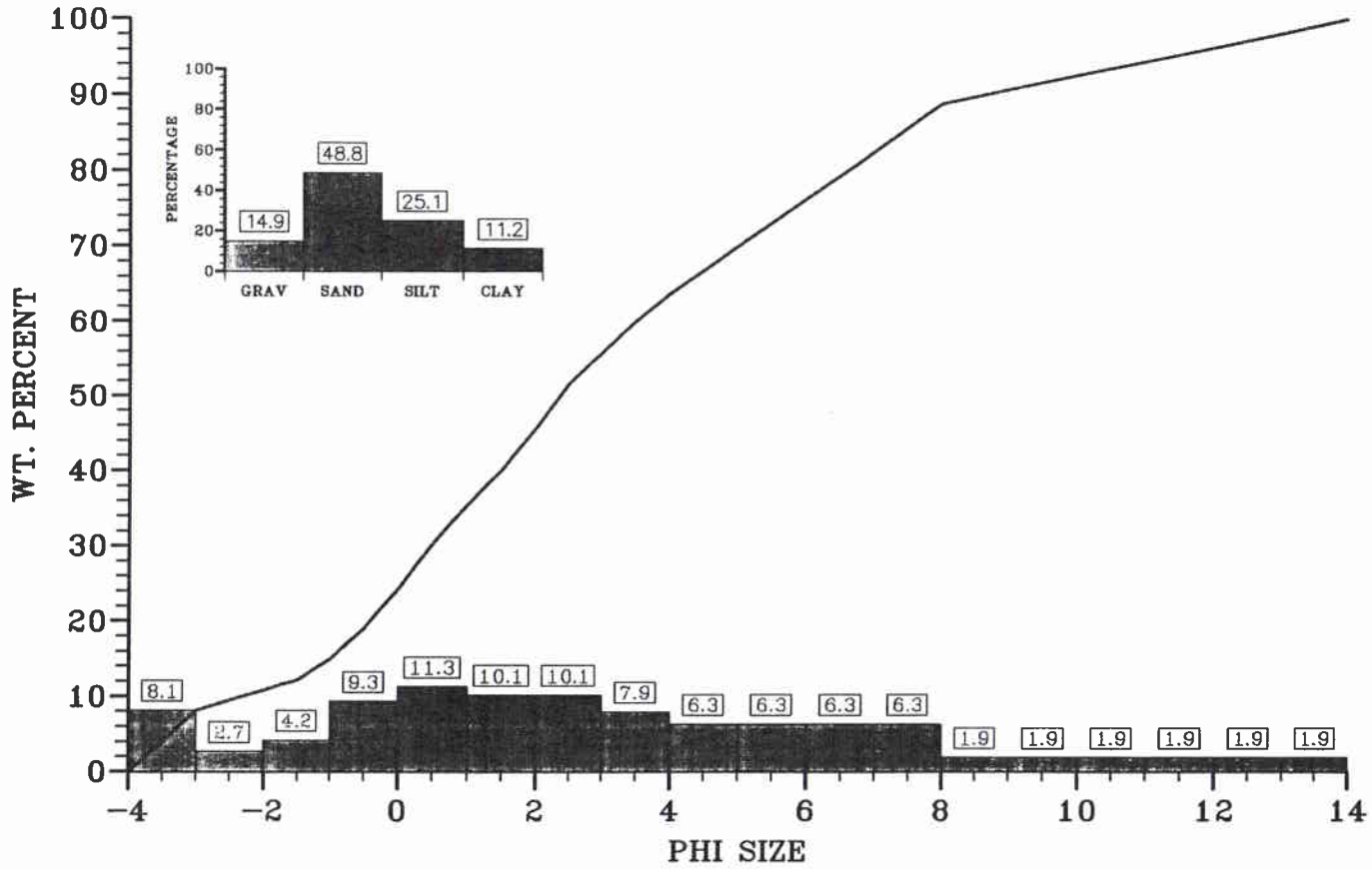
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.35	3.55	0.27	1.30	0.57

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.75	2.65	3.34	0.27	0.51	0.86

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00030



FOLK VALUES
MZ : 2.91
SD : 4.25
SK : 0.21
KG : 1.05
KG1 : 0.51

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160700

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.91	2.03	2.03
-3.50	0.91	2.03	4.06
-3.25	0.91	2.03	6.09
-3.00	0.91	2.03	8.11
-2.75	0.30	0.67	8.78
-2.50	0.30	0.67	9.45
-2.25	0.30	0.67	10.11
-2.00	0.30	0.67	10.78
-1.75	0.31	0.70	11.48
-1.50	0.31	0.70	12.18
-1.25	0.62	1.38	13.55
-1.00	0.62	1.38	14.93
-0.75	0.92	2.04	16.97
-0.50	0.92	2.04	19.01
-0.25	1.18	2.61	21.63
0.00	1.18	2.61	24.24
0.25	1.35	3.00	27.24
0.50	1.35	3.00	30.24
0.75	1.19	2.63	32.88
1.00	1.19	2.63	35.51
1.25	1.03	2.29	37.80
1.50	1.03	2.29	40.09
1.75	1.25	2.78	42.87
2.00	1.25	2.78	45.66
2.25	1.34	2.97	48.63
2.50	1.34	2.97	51.61
2.75	0.94	2.10	53.70
3.00	0.94	2.10	55.80
3.25	0.95	2.11	57.91
3.50	0.95	2.11	60.01
3.75	0.83	1.85	61.86
4.00	0.83	1.85	63.71
4.50	1.41	3.14	66.85
5.00	1.41	3.14	69.99
5.50	1.41	3.14	73.13
6.00	1.41	3.14	76.28
6.50	1.41	3.14	79.42
7.00	1.41	3.14	82.56
7.50	1.41	3.14	85.70
8.00	1.41	3.14	88.84
9.00	0.84	1.86	90.70
10.00	0.84	1.86	92.56
11.00	0.84	1.86	94.42
12.00	0.84	1.86	96.28
13.00	0.84	1.86	98.14
14.00	0.84	1.86	100.00

Post Analytical Weight : 45.01

Cruise : MAJORICA Station : 00268 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.38	-0.87	0.06	2.37	5.80	7.23	11.31

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
14.93	48.78	25.13	11.16

FOLK VALUES :

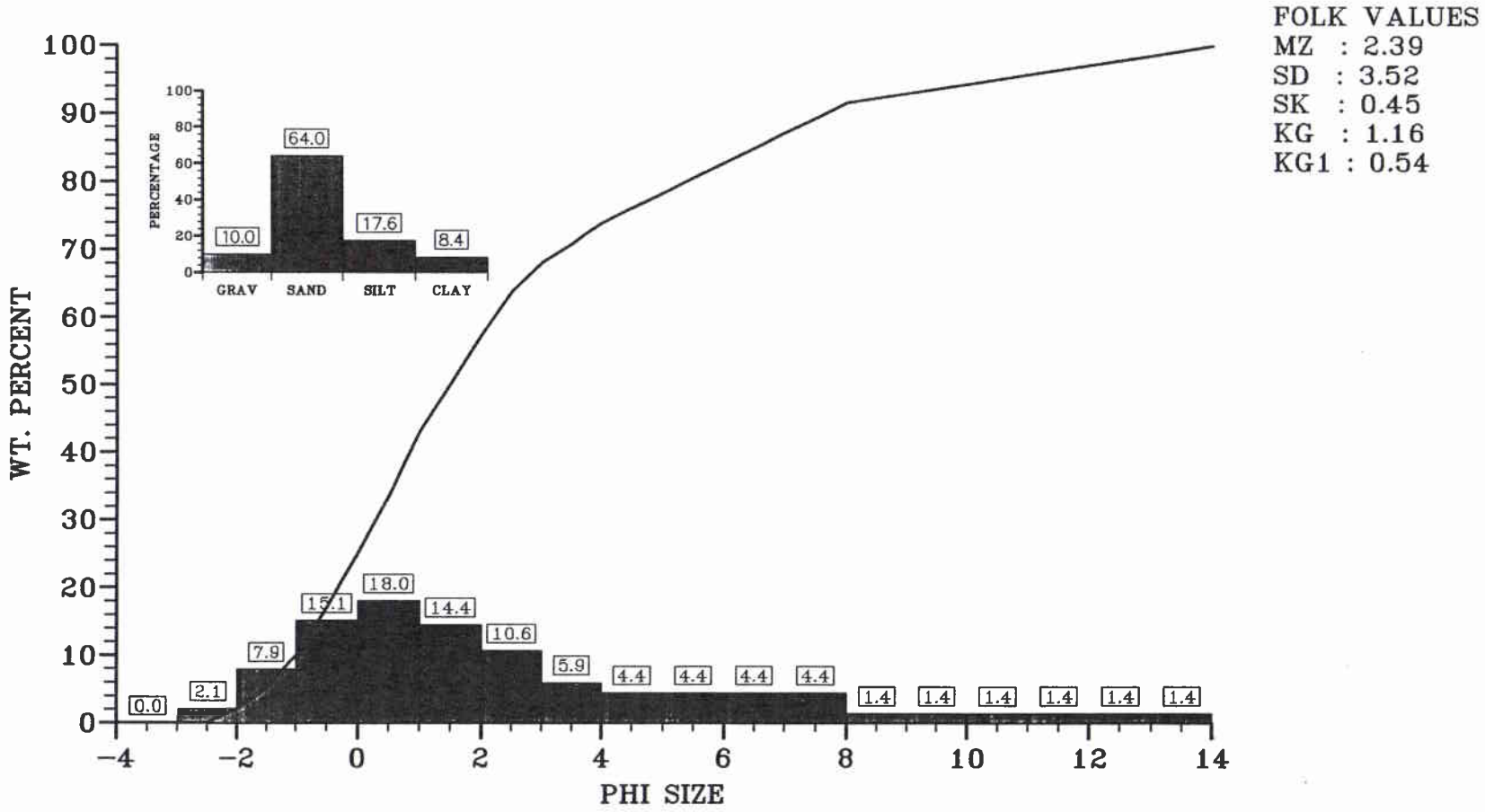
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.91	4.25	0.21	1.05	0.51

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.37	3.18	4.05	0.20	0.39	0.81

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00035



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152855

Cruise : MAJORICA Station : 00268 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.44	1.06	1.06
-2.00	0.44	1.06	2.12
-1.75	0.65	1.54	3.66
-1.50	0.65	1.54	5.20
-1.25	1.00	2.39	7.59
-1.00	1.00	2.39	9.98
-0.75	1.49	3.55	13.53
-0.50	1.49	3.55	17.08
-0.25	1.68	4.00	21.08
0.00	1.68	4.00	25.08
0.25	1.78	4.23	29.31
0.50	1.78	4.23	33.55
0.75	2.00	4.77	38.32
1.00	2.00	4.77	43.08
1.25	1.48	3.53	46.61
1.50	1.48	3.53	50.14
1.75	1.55	3.69	53.83
2.00	1.55	3.69	57.52
2.25	1.34	3.18	60.69
2.50	1.34	3.18	63.87
2.75	0.89	2.12	66.00
3.00	0.89	2.12	68.12
3.25	0.58	1.38	69.50
3.50	0.58	1.38	70.88
3.75	0.66	1.56	72.45
4.00	0.66	1.56	74.01
4.50	0.93	2.20	76.21
5.00	0.93	2.20	78.42
5.50	0.93	2.20	80.62
6.00	0.93	2.20	82.82
6.50	0.93	2.20	85.03
7.00	0.93	2.20	87.23
7.50	0.93	2.20	89.43
8.00	0.93	2.20	91.63
9.00	0.59	1.39	93.03
10.00	0.59	1.39	94.42
11.00	0.59	1.39	95.82
12.00	0.59	1.39	97.21
13.00	0.59	1.39	98.61
14.00	0.59	1.39	100.00

Post Analytical Weight : 42.03

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.53	-0.58	-0.01	1.49	4.22	6.27	10.41

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
9.98	64.03	17.63	8.37

FOLK VALUES :

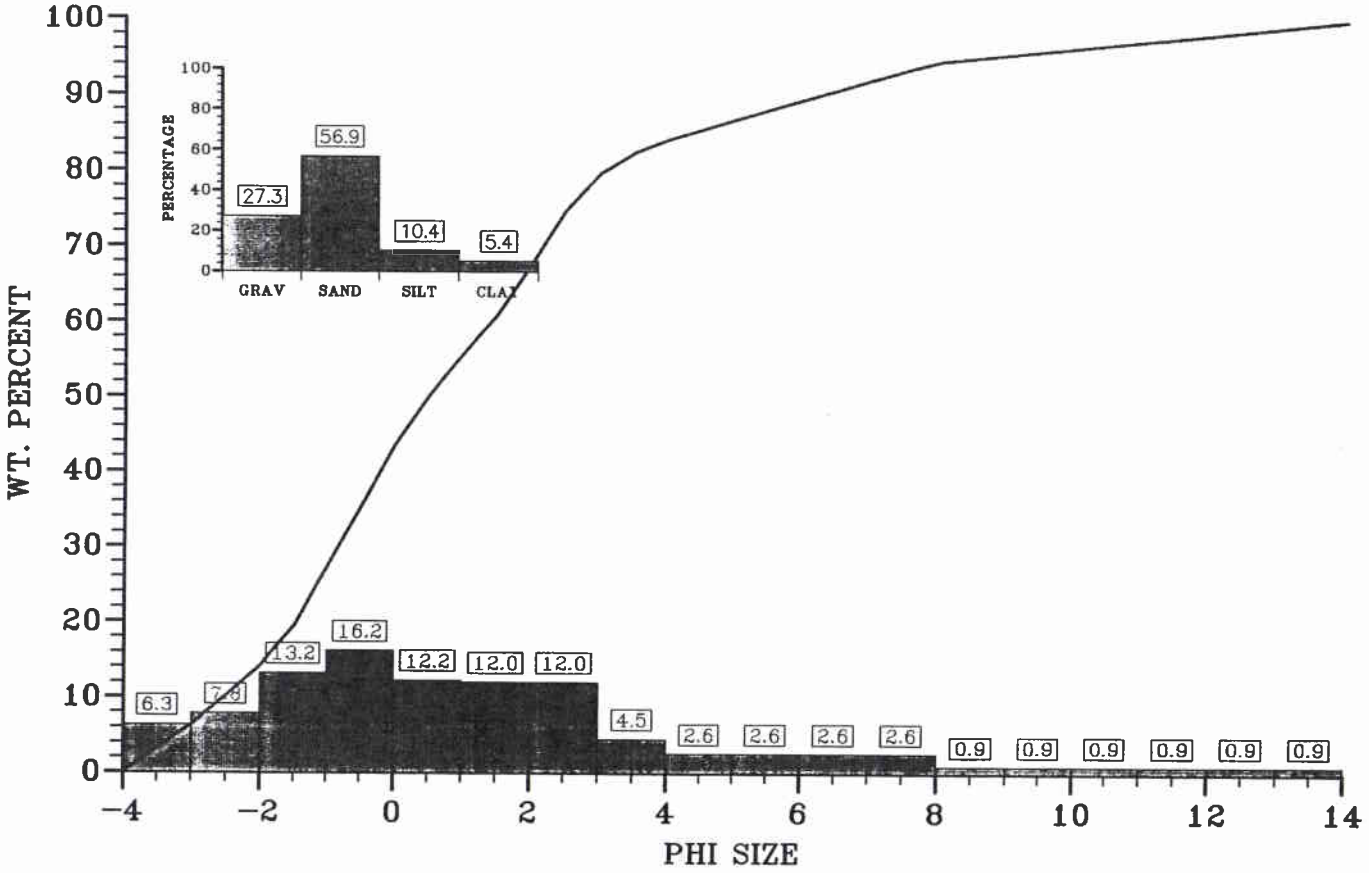
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.39	3.52	0.45	1.16	0.54

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.49	2.85	3.42	0.40	0.86	0.75

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00040



FOLK VALUES
MZ : 0.87
SD : 3.21
SK : 0.28
KG : 1.30
KG1 : 0.57

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160632

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.61	1.58	1.58
-3.50	0.61	1.58	3.16
-3.25	0.61	1.58	4.74
-3.00	0.61	1.58	6.32
-2.75	0.75	1.95	8.27
-2.50	0.75	1.95	10.22
-2.25	0.75	1.95	12.17
-2.00	0.75	1.95	14.12
-1.75	1.02	2.65	16.77
-1.50	1.02	2.65	19.42
-1.25	1.52	3.94	23.37
-1.00	1.52	3.94	27.31
-0.75	1.52	3.94	31.25
-0.50	1.52	3.94	35.19
-0.25	1.60	4.15	39.34
0.00	1.60	4.15	43.48
0.25	1.28	3.32	46.80
0.50	1.28	3.32	50.12
0.75	1.08	2.80	52.92
1.00	1.08	2.80	55.72
1.25	1.01	2.61	58.34
1.50	1.01	2.61	60.95
1.75	1.30	3.38	64.33
2.00	1.30	3.38	67.72
2.25	1.36	3.52	71.24
2.50	1.36	3.52	74.76
2.75	0.95	2.47	77.23
3.00	0.95	2.47	79.69
3.25	0.53	1.38	81.08
3.50	0.53	1.38	82.46
3.75	0.34	0.87	83.33
4.00	0.34	0.87	84.20
4.50	0.50	1.30	85.50
5.00	0.50	1.30	86.79
5.50	0.50	1.30	88.09
6.00	0.50	1.30	89.39
6.50	0.50	1.30	90.68
7.00	0.50	1.30	91.98
7.50	0.50	1.30	93.27
8.00	0.50	1.30	94.57
9.00	0.35	0.90	95.48
10.00	0.35	0.90	96.38
11.00	0.35	0.90	97.29
12.00	0.35	0.90	98.19
13.00	0.35	0.90	99.10
14.00	0.35	0.90	100.00

Post Analytical Weight : 38.57

Cruise : MAJORICA Station : 00268 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.21	-1.82	-1.15	0.49	2.52	3.94	8.47

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
27.31	56.89	10.37	5.43

FOLK VALUES :

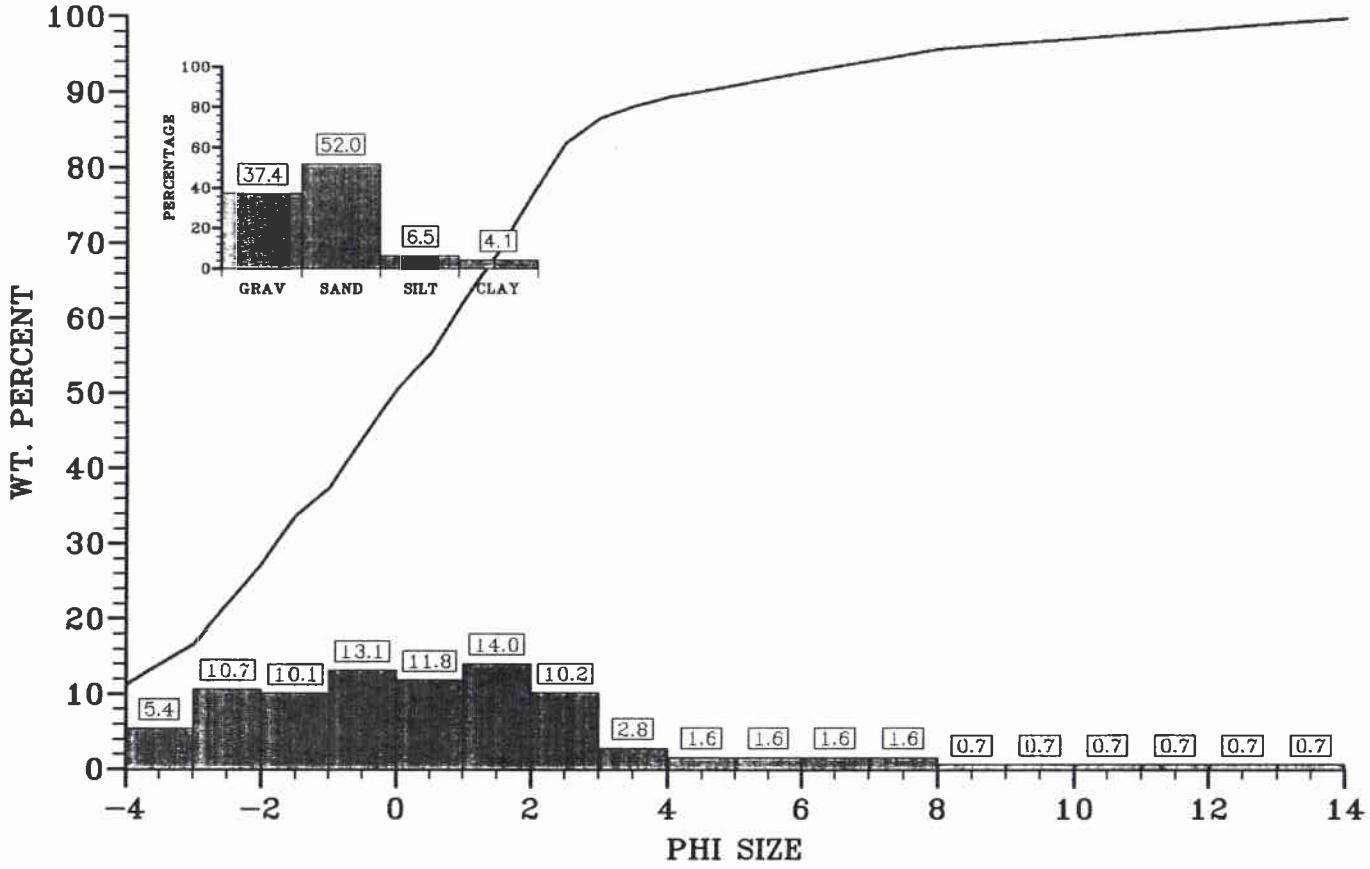
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.87	3.21	0.28	1.30	0.57

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.49	1.06	2.88	0.20	0.74	1.03

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00045



FOLK VALUES
MZ :-0.18
SD : 3.34
SK : 0.06
KG : 1.25
KG1 : 0.56

UNCLASSIFIED User name: TURGUTCAN Date: 18-JAN-1994 Plot Id: H4118143503

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	4.69	11.23	11.23
-3.75	0.56	1.35	12.58
-3.50	0.56	1.35	13.93
-3.25	0.56	1.35	15.27
-3.00	0.56	1.35	16.62
-2.75	1.11	2.66	19.29
-2.50	1.11	2.66	21.95
-2.25	1.11	2.66	24.61
-2.00	1.11	2.66	27.27
-1.75	1.36	3.26	30.53
-1.50	1.36	3.26	33.79
-1.25	0.75	1.80	35.59
-1.00	0.75	1.80	37.38
-0.75	1.39	3.32	40.71
-0.50	1.39	3.32	44.03
-0.25	1.35	3.24	47.27
0.00	1.35	3.24	50.52
0.25	1.00	2.40	52.92
0.50	1.00	2.40	55.32
0.75	1.47	3.51	58.83
1.00	1.47	3.51	62.34
1.25	1.33	3.19	65.54
1.50	1.33	3.19	68.73
1.75	1.60	3.83	72.56
2.00	1.60	3.83	76.39
2.25	1.44	3.45	79.84
2.50	1.44	3.45	83.29
2.75	0.69	1.65	84.94
3.00	0.69	1.65	86.58
3.25	0.32	0.78	87.36
3.50	0.32	0.78	88.14
3.75	0.26	0.64	88.78
4.00	0.26	0.64	89.41
4.50	0.34	0.81	90.22
5.00	0.34	0.81	91.03
5.50	0.34	0.81	91.83
6.00	0.34	0.81	92.64
6.50	0.34	0.81	93.45
7.00	0.34	0.81	94.26
7.50	0.34	0.81	95.07
8.00	0.34	0.81	95.87
9.00	0.29	0.69	96.56
10.00	0.29	0.69	97.25
11.00	0.29	0.69	97.94
12.00	0.29	0.69	98.62
13.00	0.29	0.69	99.31
14.00	0.29	0.69	100.00

Post Analytical Weight : 41.72

Cruise : MAJORICA Station : 00268 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-5.16	-3.12	-2.21	-0.04	1.91	2.61	7.46

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
37.38	52.03	6.46	4.13

FOLK VALUES :

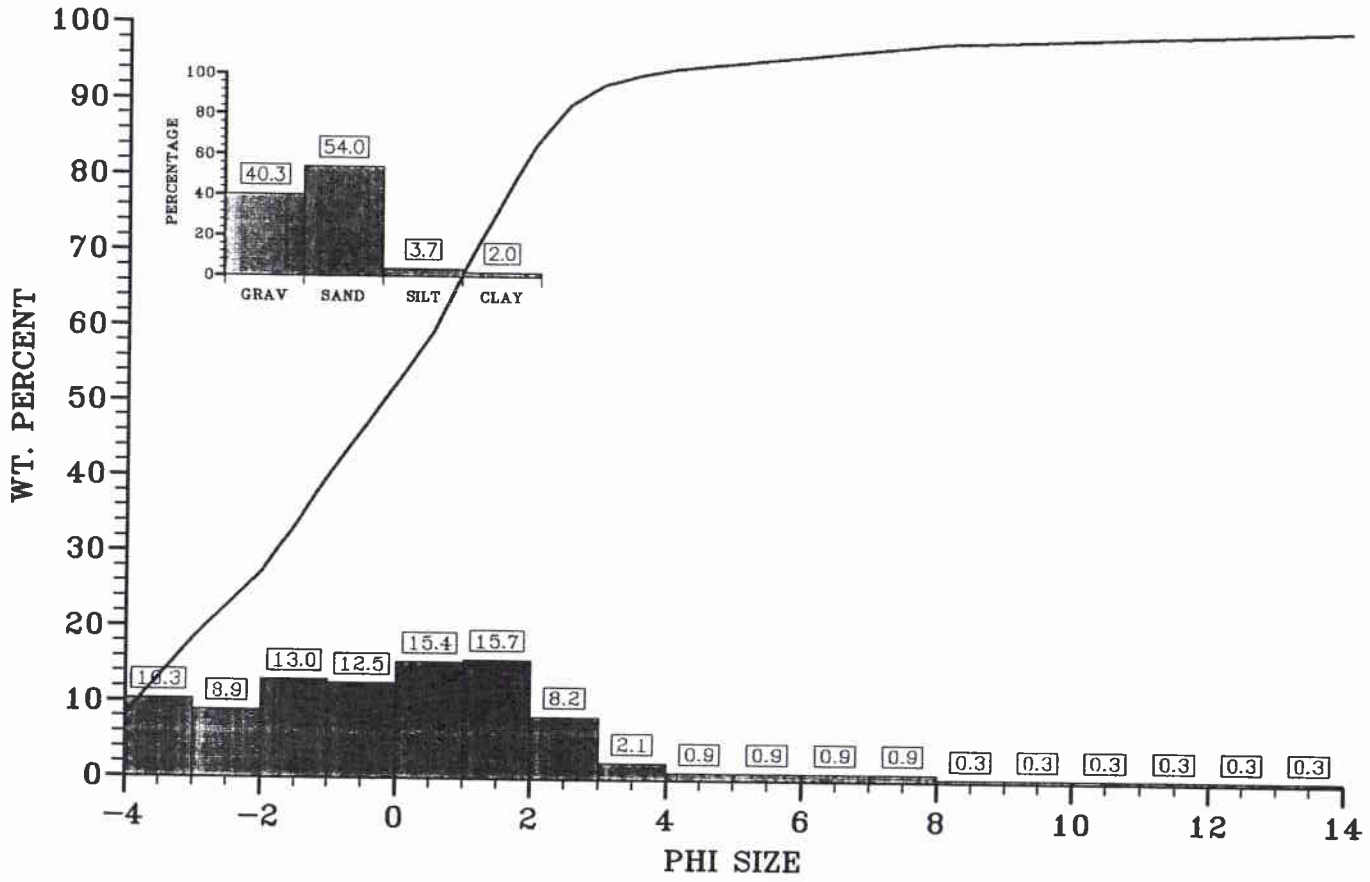
MEAN	ST.DEV	SKEW	KURT	N.KURT
-0.18	3.34	0.06	1.25	0.56

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-0.04	-0.25	2.86	-0.07	0.42	1.20

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00050



FOLK VALUES
MZ :−0.48
SD : 2.68
SK :−0.02
KG : 1.01
KG1 : 0.50

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160556

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	3.68	8.12	8.12
-3.75	1.17	2.58	10.70
-3.50	1.17	2.58	13.27
-3.25	1.17	2.58	15.85
-3.00	1.17	2.58	18.43
-2.75	1.01	2.23	20.65
-2.50	1.01	2.23	22.88
-2.25	1.01	2.23	25.11
-2.00	1.01	2.23	27.33
-1.75	1.44	3.17	30.50
-1.50	1.44	3.17	33.67
-1.25	1.51	3.32	36.99
-1.00	1.51	3.32	40.31
-0.75	1.39	3.06	43.37
-0.50	1.39	3.06	46.43
-0.25	1.46	3.21	49.64
0.00	1.46	3.21	52.86
0.25	1.44	3.17	56.03
0.50	1.44	3.17	59.21
0.75	2.05	4.51	63.72
1.00	2.05	4.51	68.24
1.25	1.83	4.02	72.26
1.50	1.83	4.02	76.28
1.75	1.74	3.84	80.12
2.00	1.74	3.84	83.95
2.25	1.23	2.71	86.67
2.50	1.23	2.71	89.38
2.75	0.63	1.38	90.76
3.00	0.63	1.38	92.15
3.25	0.28	0.61	92.75
3.50	0.28	0.61	93.36
3.75	0.21	0.46	93.82
4.00	0.21	0.46	94.28
4.50	0.21	0.47	94.75
5.00	0.21	0.47	95.21
5.50	0.21	0.47	95.68
6.00	0.21	0.47	96.14
6.50	0.21	0.47	96.61
7.00	0.21	0.47	97.07
7.50	0.21	0.47	97.54
8.00	0.21	0.47	98.00
9.00	0.15	0.33	98.34
10.00	0.15	0.33	98.67
11.00	0.15	0.33	99.00
12.00	0.15	0.33	99.33
13.00	0.15	0.33	99.67
14.00	0.15	0.33	100.00

Post Analytical Weight : 45.37

Cruise : MAJORICA Station : 00268 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.30	-3.24	-2.26	-0.22	1.42	2.00	4.77

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
40.31	53.97	3.72	2.00

FOLK VALUES :

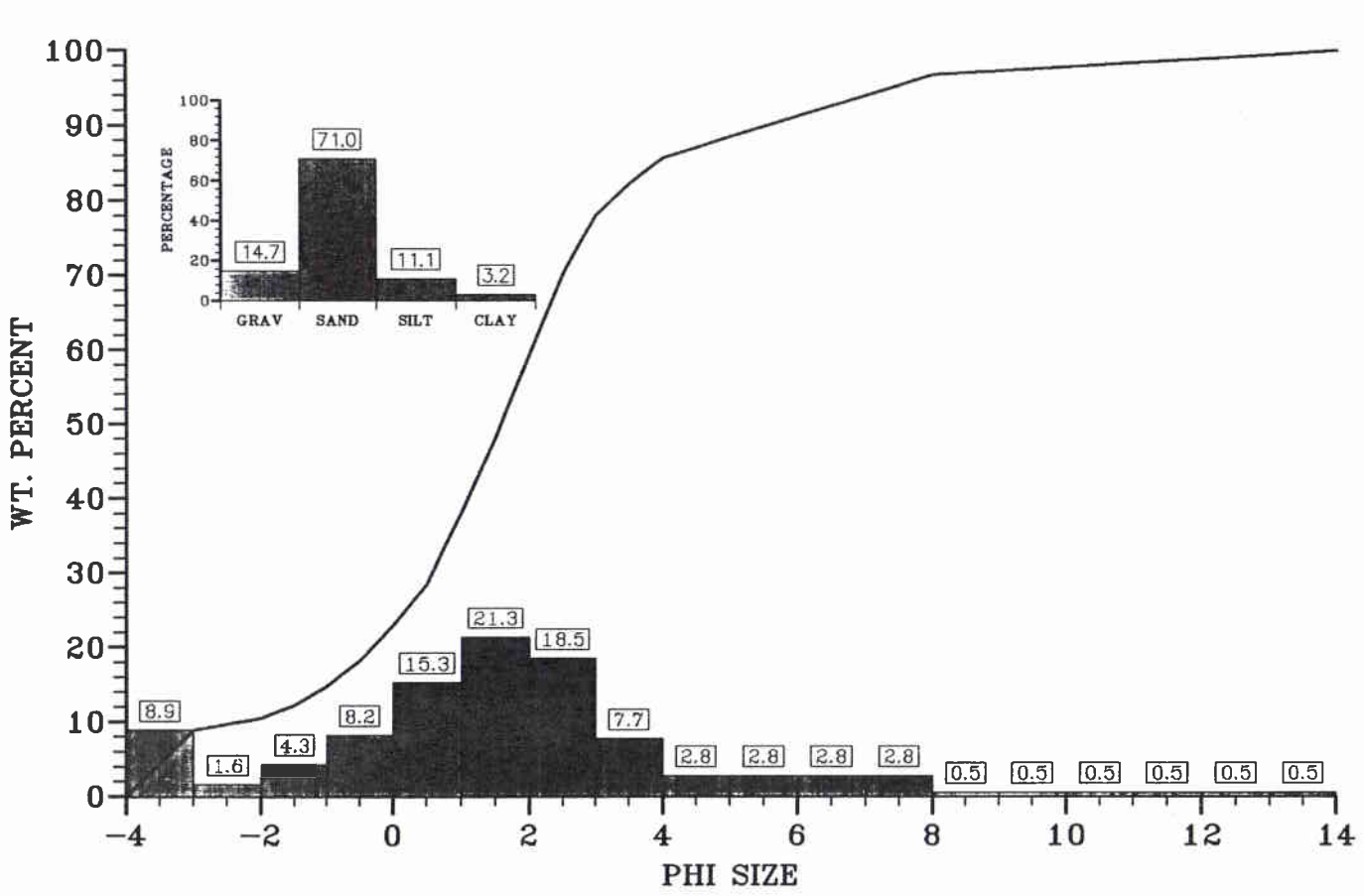
MEAN	ST.DEV	SKEW	KURT	N.KURT
-0.48	2.68	-0.02	1.01	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-0.22	-0.62	2.62	-0.15	0.17	0.73

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00055



FOLK VALUES
MZ : 1.50
SD : 2.78
SK : 0.01
KG : 1.69
KG1 : 0.63

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152946

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.90	2.21	2.21
-3.50	0.90	2.21	4.43
-3.25	0.90	2.21	6.64
-3.00	0.90	2.21	8.86
-2.75	0.16	0.40	9.26
-2.50	0.16	0.40	9.66
-2.25	0.16	0.40	10.06
-2.00	0.16	0.40	10.45
-1.75	0.36	0.88	11.34
-1.50	0.36	0.88	12.22
-1.25	0.51	1.26	13.48
-1.00	0.51	1.26	14.74
-0.75	0.71	1.74	16.48
-0.50	0.71	1.74	18.22
-0.25	0.96	2.35	20.57
0.00	0.96	2.35	22.92
0.25	1.12	2.75	25.67
0.50	1.12	2.75	28.41
0.75	2.00	4.89	33.31
1.00	2.00	4.89	38.20
1.25	2.05	5.02	43.23
1.50	2.05	5.02	48.25
1.75	2.31	5.64	53.89
2.00	2.31	5.64	59.54
2.25	2.22	5.42	64.96
2.50	2.22	5.42	70.38
2.75	1.56	3.82	74.20
3.00	1.56	3.82	78.02
3.25	0.86	2.11	80.14
3.50	0.86	2.11	82.25
3.75	0.71	1.74	83.99
4.00	0.71	1.74	85.73
4.50	0.57	1.39	87.12
5.00	0.57	1.39	88.50
5.50	0.57	1.39	89.89
6.00	0.57	1.39	91.28
6.50	0.57	1.39	92.67
7.00	0.57	1.39	94.05
7.50	0.57	1.39	95.44
8.00	0.57	1.39	96.83
9.00	0.22	0.53	97.36
10.00	0.22	0.53	97.89
11.00	0.22	0.53	98.41
12.00	0.22	0.53	98.94
13.00	0.22	0.53	99.47
14.00	0.22	0.53	100.00

Post Analytical Weight : 40.86

Cruise : MAJORICA Station : 00268 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.44	-0.82	0.19	1.58	2.80	3.75	7.34

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
14.74	70.99	11.10	3.17

FOLK VALUES :

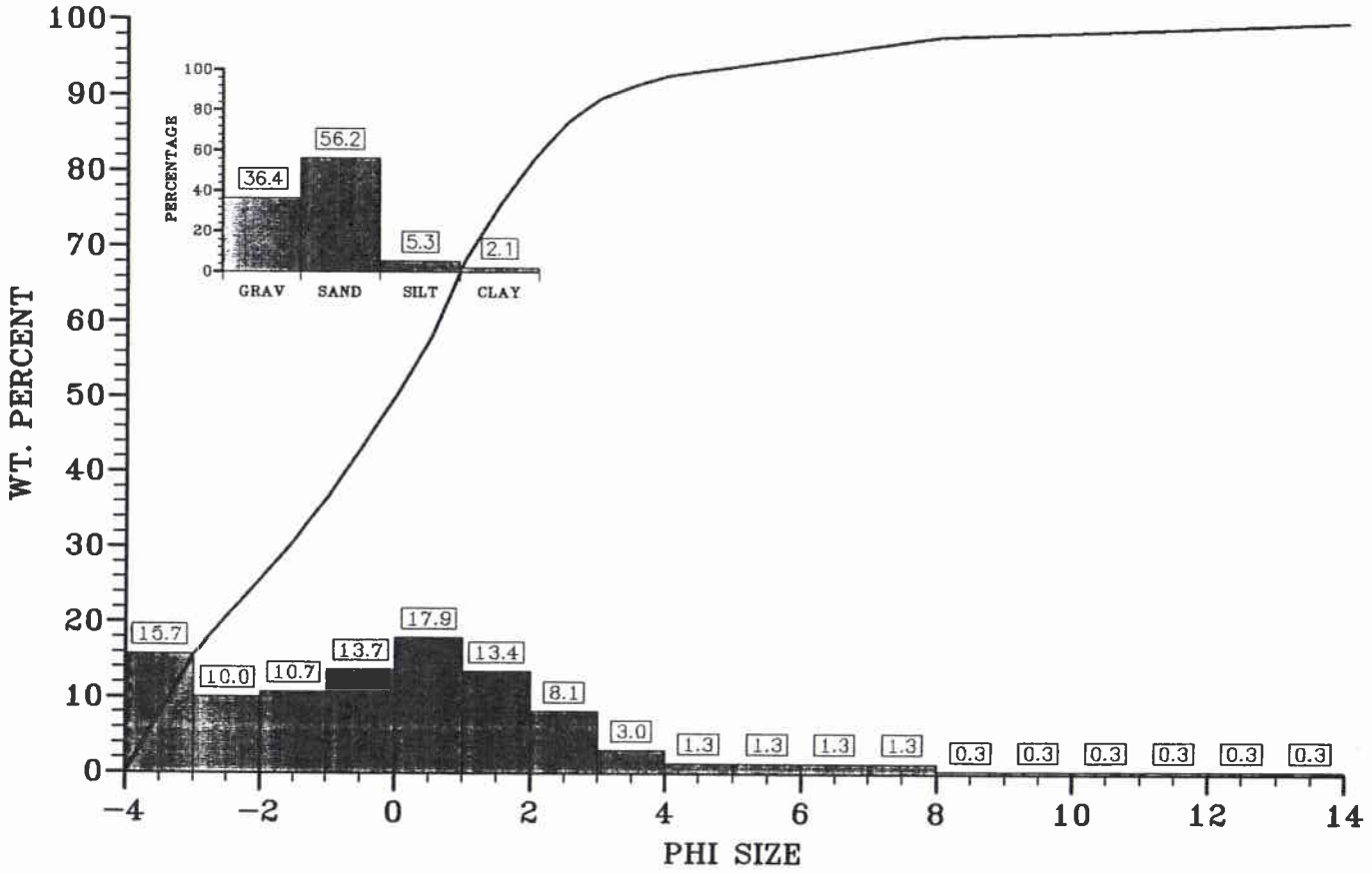
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.50	2.78	0.01	1.69	0.63

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.58	1.47	2.29	-0.05	0.16	1.36

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00060



FOLK VALUES
MZ :−0.24
SD : 2.74
SK : 0.05
KG : 1.09
KG1 : 0.52

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160528

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.53	3.93	3.93
-3.50	1.53	3.93	7.86
-3.25	1.53	3.93	11.79
-3.00	1.53	3.93	15.72
-2.75	0.98	2.50	18.22
-2.50	0.98	2.50	20.73
-2.25	0.98	2.50	23.23
-2.00	0.98	2.50	25.74
-1.75	0.99	2.55	28.29
-1.50	0.99	2.55	30.83
-1.25	1.09	2.80	33.64
-1.00	1.09	2.80	36.44
-0.75	1.31	3.35	39.79
-0.50	1.31	3.35	43.14
-0.25	1.36	3.49	46.63
0.00	1.36	3.49	50.12
0.25	1.50	3.86	53.97
0.50	1.50	3.86	57.83
0.75	1.99	5.11	62.94
1.00	1.99	5.11	68.04
1.25	1.43	3.66	71.70
1.50	1.43	3.66	75.37
1.75	1.19	3.06	78.43
2.00	1.19	3.06	81.49
2.25	0.96	2.46	83.95
2.50	0.96	2.46	86.41
2.75	0.63	1.60	88.01
3.00	0.63	1.60	89.62
3.25	0.34	0.88	90.50
3.50	0.34	0.88	91.38
3.75	0.25	0.63	92.00
4.00	0.25	0.63	92.63
4.50	0.26	0.66	93.29
5.00	0.26	0.66	93.96
5.50	0.26	0.66	94.62
6.00	0.26	0.66	95.28
6.50	0.26	0.66	95.94
7.00	0.26	0.66	96.60
7.50	0.26	0.66	97.26
8.00	0.26	0.66	97.92
9.00	0.14	0.35	98.27
10.00	0.14	0.35	98.62
11.00	0.14	0.35	98.96
12.00	0.14	0.35	99.31
13.00	0.14	0.35	99.65
14.00	0.14	0.35	100.00

Post Analytical Weight : 39.01

Cruise : MAJORICA Station : 00268 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.68	-2.97	-2.07	-0.01	1.48	2.26	5.79

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
36.44	56.19	5.29	2.08

FOLK VALUES :

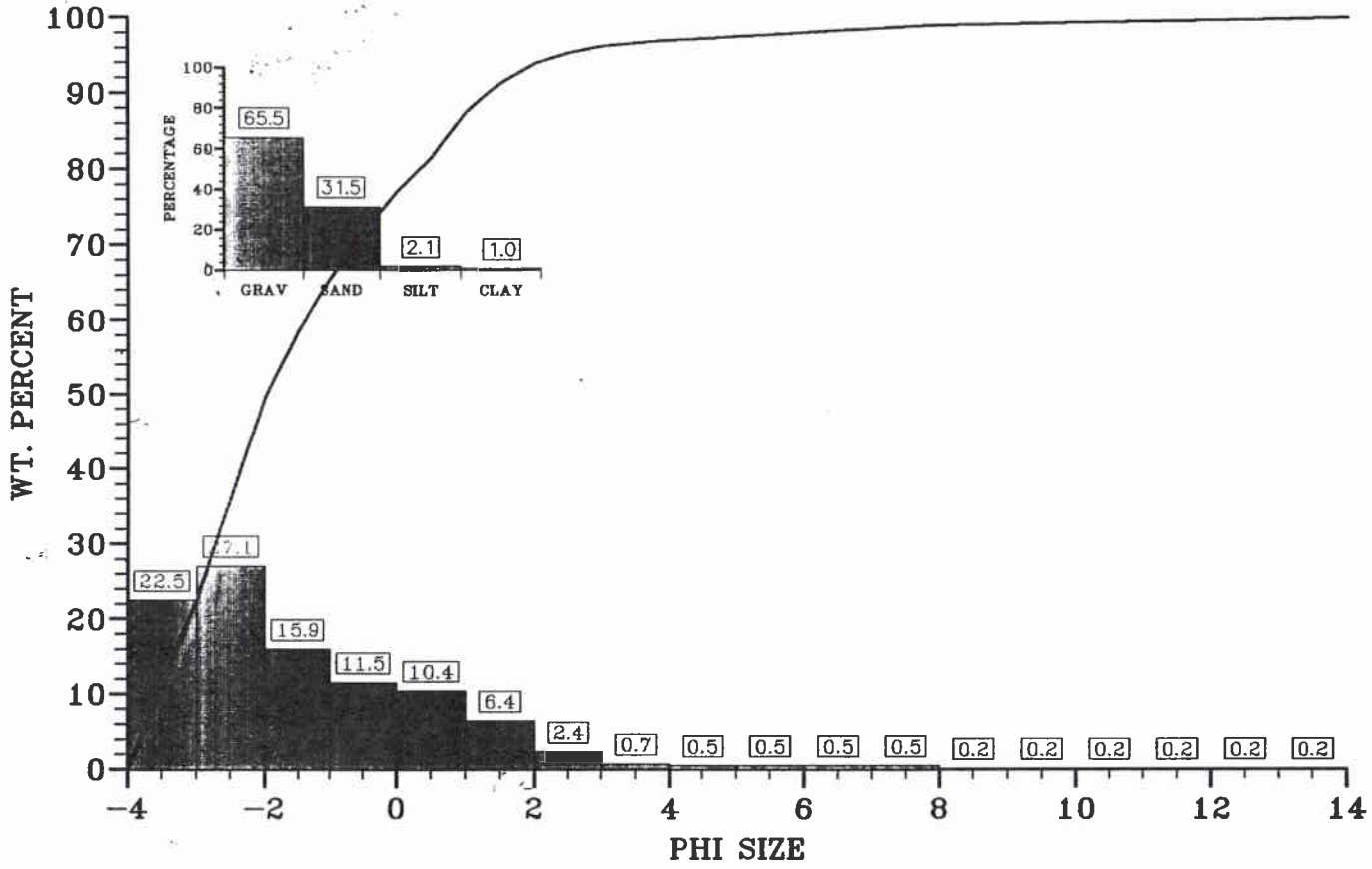
MEAN	ST.DEV	SKEW	KURT	N.KURT
-0.24	2.74	0.05	1.09	0.52

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-0.01	-0.36	2.61	-0.13	0.41	0.81

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00065



FOLK VALUES
MZ :-1.52
SD : 1.93
SK : 0.38
KG : 0.93
KG1 : 0.48

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153021

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	3.08	5.63	5.63
-3.50	3.08	5.62	11.25
-3.25	3.08	5.63	16.87
-3.00	3.08	5.62	22.50
-2.75	3.71	6.77	29.27
-2.50	3.71	6.77	36.03
-2.25	3.71	6.77	42.80
-2.00	3.71	6.77	49.57
-1.75	2.49	4.55	54.12
-1.50	2.49	4.55	58.67
-1.25	1.88	3.42	62.09
-1.00	1.88	3.42	65.51
-0.75	1.65	3.01	68.53
-0.50	1.65	3.01	71.54
-0.25	1.51	2.75	74.29
0.00	1.51	2.75	77.04
0.25	1.23	2.25	79.29
0.50	1.23	2.25	81.54
0.75	1.62	2.96	84.50
1.00	1.62	2.96	87.46
1.25	1.05	1.92	89.38
1.50	1.05	1.92	91.29
1.75	0.71	1.29	92.58
2.00	0.71	1.29	93.87
2.25	0.41	0.75	94.62
2.50	0.41	0.75	95.36
2.75	0.24	0.44	95.80
3.00	0.24	0.44	96.24
3.25	0.12	0.21	96.45
3.50	0.12	0.21	96.66
3.75	0.09	0.16	96.82
4.00	0.09	0.16	96.98
4.50	0.14	0.26	97.24
5.00	0.14	0.26	97.49
5.50	0.14	0.26	97.75
6.00	0.14	0.26	98.01
6.50	0.14	0.26	98.27
7.00	0.14	0.26	98.52
7.50	0.14	0.26	98.78
8.00	0.14	0.26	99.04
9.00	0.09	0.16	99.20
10.00	0.09	0.16	99.36
11.00	0.09	0.16	99.52
12.00	0.09	0.16	99.68
13.00	0.09	0.16	99.84
14.00	0.09	0.16	100.00

Post Analytical Weight : 54.82

Cruise : MAJORICA Station : 00268 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.78	-3.29	-2.91	-1.98	-0.19	0.71	2.38

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
65.51	31.47	2.06	0.96

FOLK VALUES :

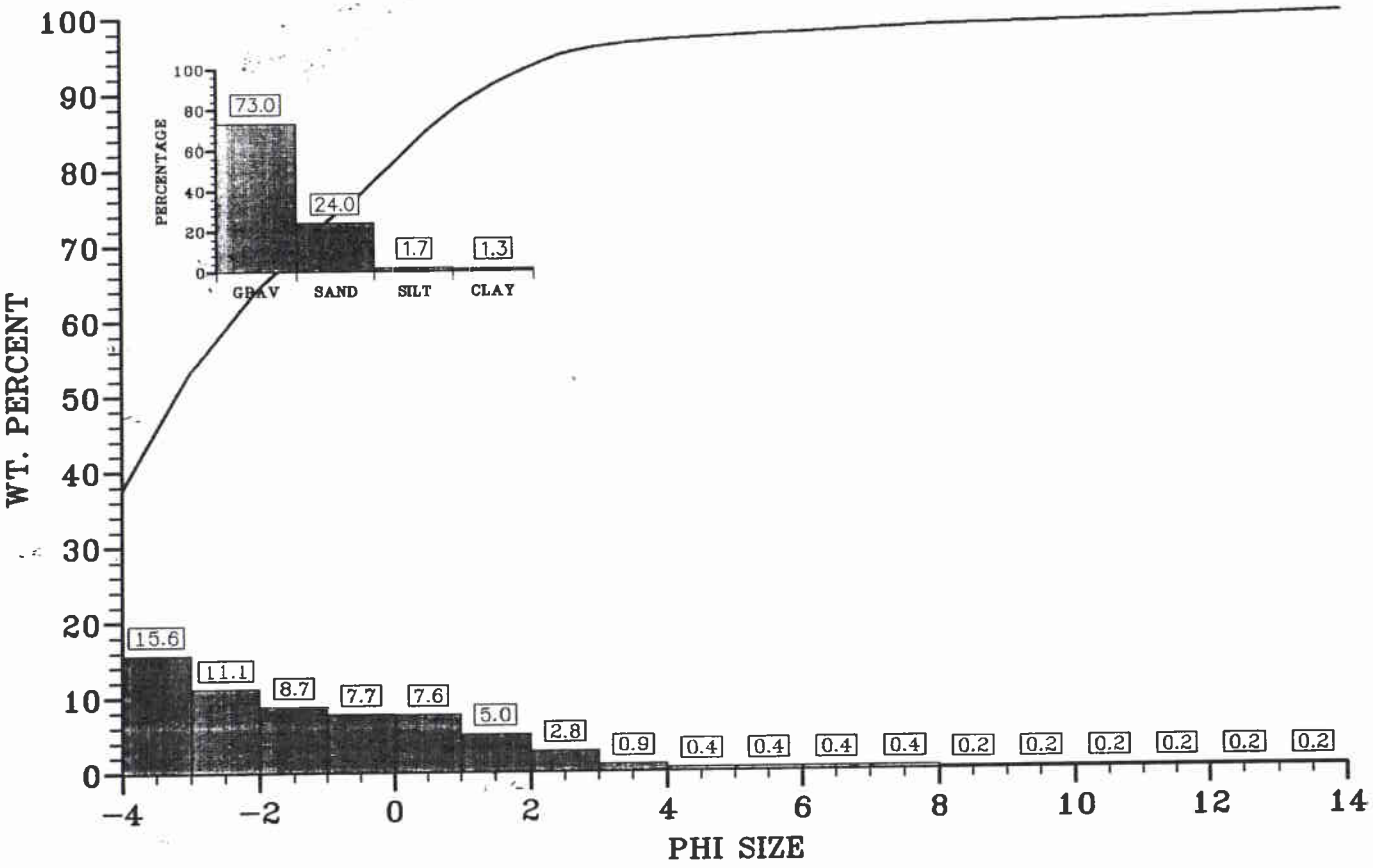
MEAN	ST.DEV	SKEW	KURT	N.KURT
-1.52	1.93	0.38	0.93	0.48

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-1.98	-1.29	2.00	0.34	0.64	0.54

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00070



FOLK VALUES
MZ :-2.73
SD : 2.74
SK : 0.29
KG : 0.86
KG1 : 0.46

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160441

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	23.69	37.54	37.54
-3.75	2.46	3.90	41.45
-3.50	2.46	3.90	45.35
-3.25	2.46	3.90	49.25
-3.00	2.46	3.90	53.15
-2.75	1.75	2.78	55.93
-2.50	1.75	2.78	58.71
-2.25	1.75	2.78	61.48
-2.00	1.75	2.78	64.26
-1.75	1.26	2.00	66.26
-1.50	1.26	2.00	68.26
-1.25	1.49	2.36	70.62
-1.00	1.49	2.36	72.99
-0.75	1.13	1.78	74.77
-0.50	1.13	1.78	76.55
-0.25	1.31	2.08	78.63
0.00	1.31	2.08	80.71
0.25	1.33	2.11	82.82
0.50	1.33	2.11	84.93
0.75	1.08	1.71	86.64
1.00	1.08	1.71	88.36
1.25	0.85	1.35	89.71
1.50	0.85	1.35	91.06
1.75	0.72	1.14	92.19
2.00	0.72	1.14	93.33
2.25	0.56	0.89	94.22
2.50	0.56	0.89	95.11
2.75	0.31	0.49	95.59
3.00	0.31	0.49	96.08
3.25	0.17	0.28	96.36
3.50	0.17	0.28	96.64
3.75	0.11	0.17	96.81
4.00	0.11	0.17	96.98
4.50	0.13	0.21	97.19
5.00	0.13	0.21	97.40
5.50	0.13	0.21	97.61
6.00	0.13	0.21	97.83
6.50	0.13	0.21	98.04
7.00	0.13	0.21	98.25
7.50	0.13	0.21	98.46
8.00	0.13	0.21	98.67
9.00	0.14	0.22	98.89
10.00	0.14	0.22	99.11
11.00	0.14	0.22	99.33
12.00	0.14	0.22	99.56
13.00	0.14	0.22	99.78
14.00	0.14	0.22	100.00

Post Analytical Weight : 63.10

Cruise : MAJORICA Station : 00268 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-6.09	-5.38	-4.80	-3.20	-0.72	0.39	2.47

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
72.99	24.00	1.69	1.33

FOLK VALUES :

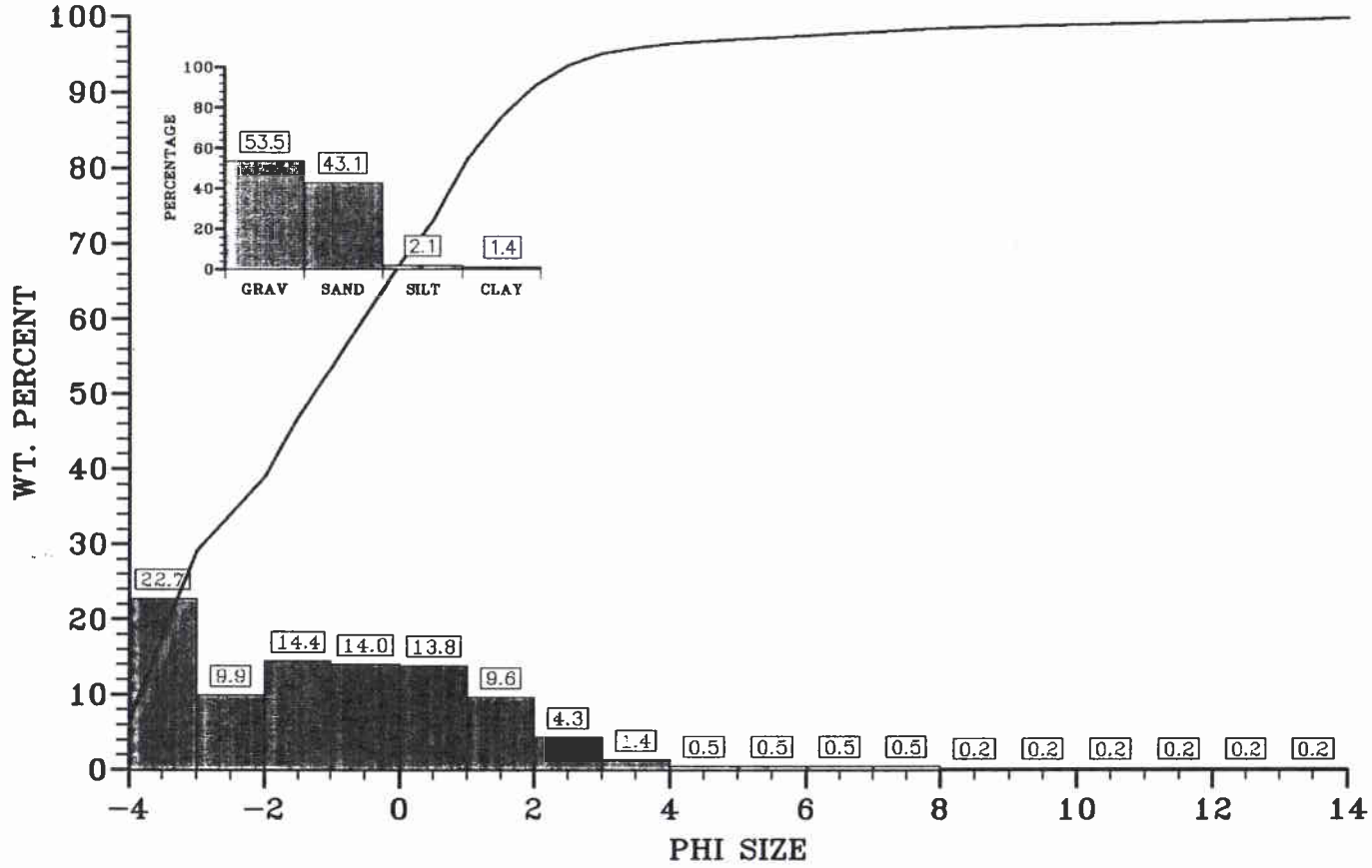
MEAN	ST.DEV	SKEW	KURT	N.KURT
-2.73	2.74	0.29	0.86	0.46

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-3.20	-2.50	2.89	0.24	0.48	0.48

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00075



FOLK VALUES
MZ :-1.20
SD : 2.27
SK : 0.12
KG : 0.76
KG1 : 0.43

UNCLASSIFIED User name: TURGUTCAN Date: 18-JAN-1994 Plot Id: H4118143524

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	3.89	6.40	6.40
-3.75	3.45	5.68	12.08
-3.50	3.45	5.68	17.76
-3.25	3.45	5.68	23.44
-3.00	3.45	5.68	29.11
-2.75	1.50	2.47	31.59
-2.50	1.50	2.47	34.06
-2.25	1.50	2.47	36.54
-2.00	1.50	2.47	39.01
-1.75	2.45	4.03	43.05
-1.50	2.45	4.03	47.08
-1.25	1.94	3.19	50.27
-1.00	1.94	3.19	53.45
-0.75	2.12	3.49	56.95
-0.50	2.12	3.49	60.44
-0.25	2.13	3.51	63.95
0.00	2.13	3.51	67.46
0.25	1.74	2.86	70.32
0.50	1.74	2.86	73.19
0.75	2.46	4.05	77.24
1.00	2.46	4.05	81.29
1.25	1.67	2.75	84.04
1.50	1.67	2.75	86.78
1.75	1.24	2.04	88.83
2.00	1.24	2.04	90.87
2.25	0.82	1.35	92.22
2.50	0.82	1.35	93.58
2.75	0.48	0.80	94.37
3.00	0.49	0.80	95.17
3.25	0.23	0.39	95.56
3.50	0.23	0.39	95.94
3.75	0.18	0.29	96.23
4.00	0.18	0.29	96.53
4.50	0.16	0.26	96.79
5.00	0.16	0.26	97.05
5.50	0.16	0.26	97.31
6.00	0.16	0.26	97.57
6.50	0.16	0.26	97.83
7.00	0.16	0.26	98.09
7.50	0.16	0.26	98.36
8.00	0.16	0.26	98.62
9.00	0.14	0.23	98.85
10.00	0.14	0.23	99.08
11.00	0.14	0.23	99.31
12.00	0.14	0.23	99.54
13.00	0.14	0.23	99.77
14.00	0.14	0.23	100.00

Post Analytical Weight : 60.78

Cruise : MAJORICA Station : 00268 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.06	-3.58	-3.18	-1.27	0.61	1.25	2.95

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
53.45	43.07	2.09	1.38

FOLK VALUES :

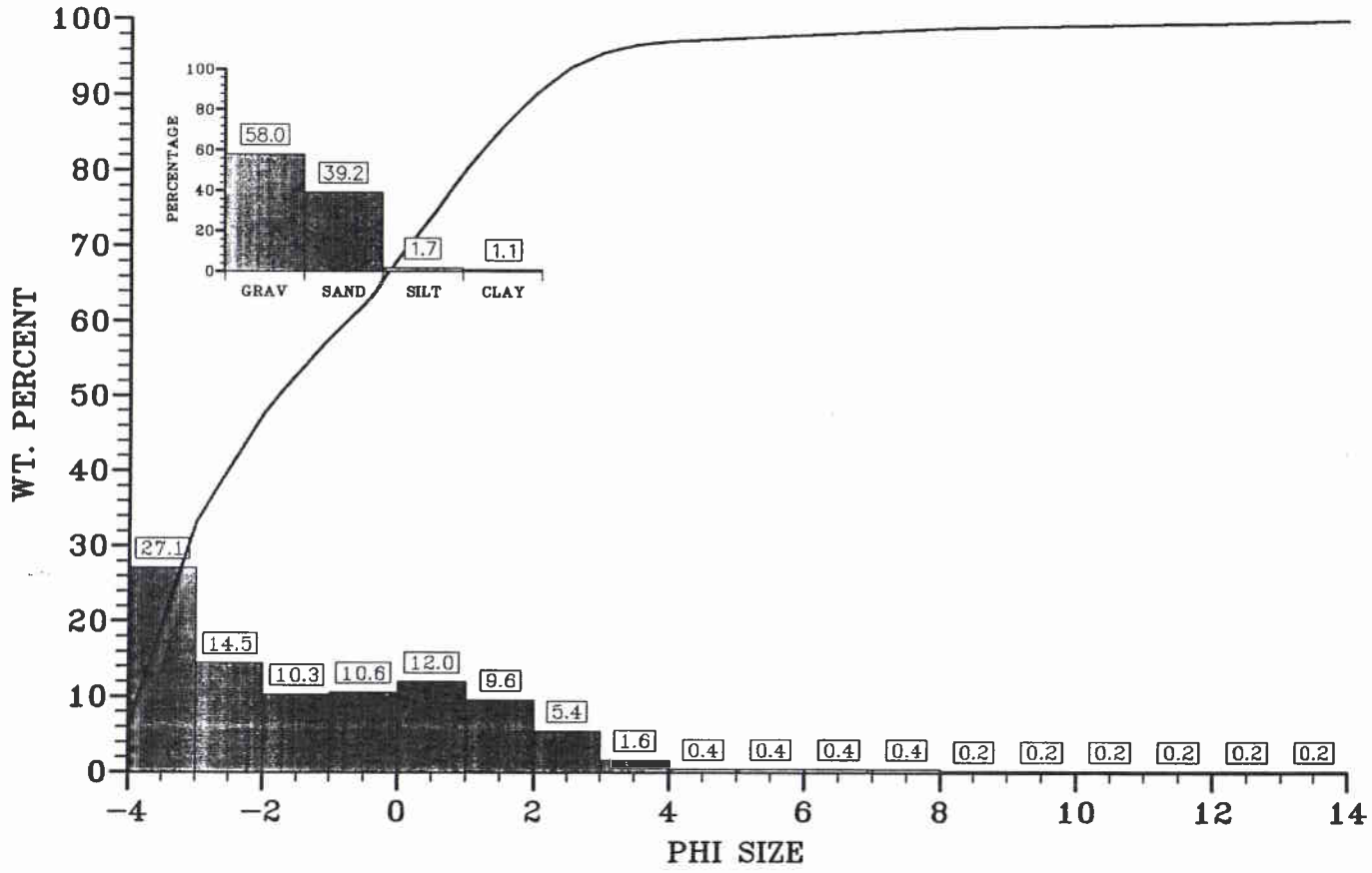
MEAN	ST.DEV	SKEW	KURT	N.KURT
-1.20	2.27	0.12	0.76	0.43

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-1.27	-1.17	2.41	0.04	0.30	0.45

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00268 SAMPLE : 00080



FOLK VALUES
MZ :-1.36
SD : 2.29
SK : 0.30
KG : 0.73
KG1 : 0.42

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160409

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00268 Sample : 00080
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	4.26	6.10	6.10
-3.75	4.74	6.77	12.87
-3.50	4.74	6.77	19.64
-3.25	4.74	6.77	26.41
-3.00	4.74	6.77	33.18
-2.75	2.53	3.62	36.80
-2.50	2.53	3.62	40.42
-2.25	2.53	3.62	44.05
-2.00	2.53	3.62	47.67
-1.75	1.90	2.72	50.39
-1.50	1.90	2.72	53.10
-1.25	1.70	2.43	55.54
-1.00	1.70	2.43	57.97
-0.75	1.55	2.22	60.19
-0.50	1.55	2.22	62.40
-0.25	2.14	3.07	65.47
0.00	2.14	3.07	68.54
0.25	2.02	2.89	71.43
0.50	2.02	2.89	74.32
0.75	2.17	3.11	77.42
1.00	2.17	3.11	80.53
1.25	1.80	2.57	83.10
1.50	1.80	2.57	85.67
1.75	1.55	2.21	87.89
2.00	1.55	2.21	90.10
2.25	1.19	1.71	91.80
2.50	1.19	1.71	93.51
2.75	0.71	1.02	94.53
3.00	0.71	1.02	95.55
3.25	0.39	0.55	96.10
3.50	0.39	0.55	96.65
3.75	0.18	0.26	96.91
4.00	0.18	0.26	97.16
4.50	0.15	0.22	97.38
5.00	0.15	0.22	97.60
5.50	0.15	0.22	97.82
6.00	0.15	0.22	98.03
6.50	0.15	0.22	98.25
7.00	0.15	0.22	98.47
7.50	0.15	0.22	98.68
8.00	0.15	0.22	98.90
9.00	0.13	0.18	99.09
10.00	0.13	0.18	99.27
11.00	0.13	0.18	99.45
12.00	0.13	0.18	99.63
13.00	0.13	0.18	99.82
14.00	0.13	0.18	100.00

Post Analytical Weight : 69.95

Cruise : MAJORICA Station : 00268 Sample : 00080
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.04	-3.63	-3.30	-1.79	0.55	1.34	2.87

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
57.97	39.20	1.74	1.10

FOLK VALUES :

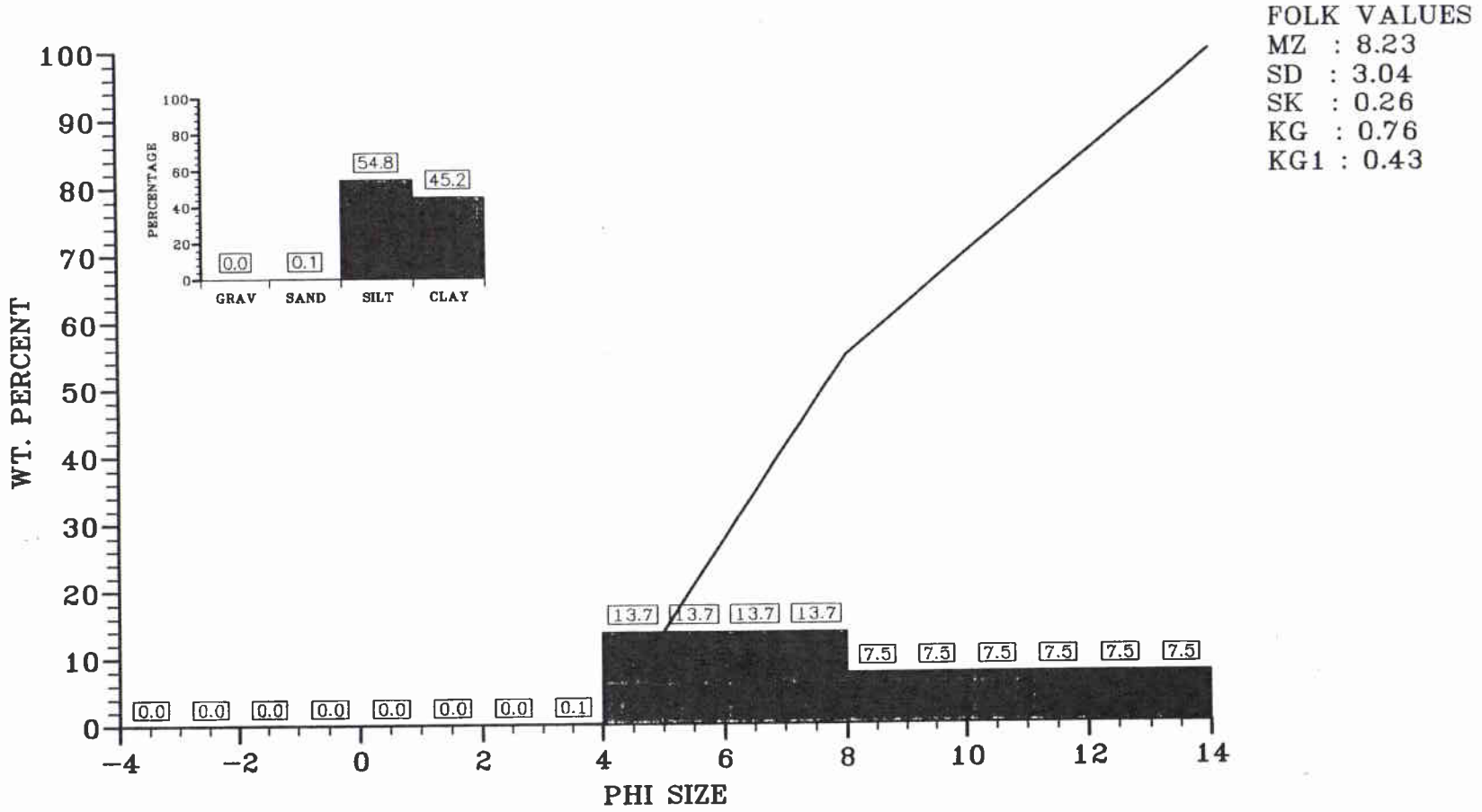
MEAN	ST.DEV	SKEW	KURT	N.KURT
-1.36	2.29	0.30	0.73	0.42

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-1.79	-1.15	2.49	0.26	0.48	0.39

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00001



UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160334

Cruise : MAJORICA Station : 00269 Sample : 00001
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
4.00	0.01	0.06	0.06
4.50	0.85	6.85	6.90
5.00	0.85	6.85	13.75
5.50	0.85	6.85	20.60
6.00	0.85	6.85	27.45
6.50	0.85	6.85	34.29
7.00	0.85	6.85	41.14
7.50	0.85	6.85	47.99
8.00	0.85	6.85	54.84
9.00	0.93	7.53	62.36
10.00	0.93	7.53	69.89
11.00	0.93	7.53	77.42
12.00	0.93	7.53	84.95
13.00	0.93	7.53	92.47
14.00	0.93	7.53	100.00

Post Analytical Weight : 12.36

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
4.36	5.16	5.82	7.65	10.68	11.87	13.34

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	0.06	54.78	45.16

FOLK VALUES :

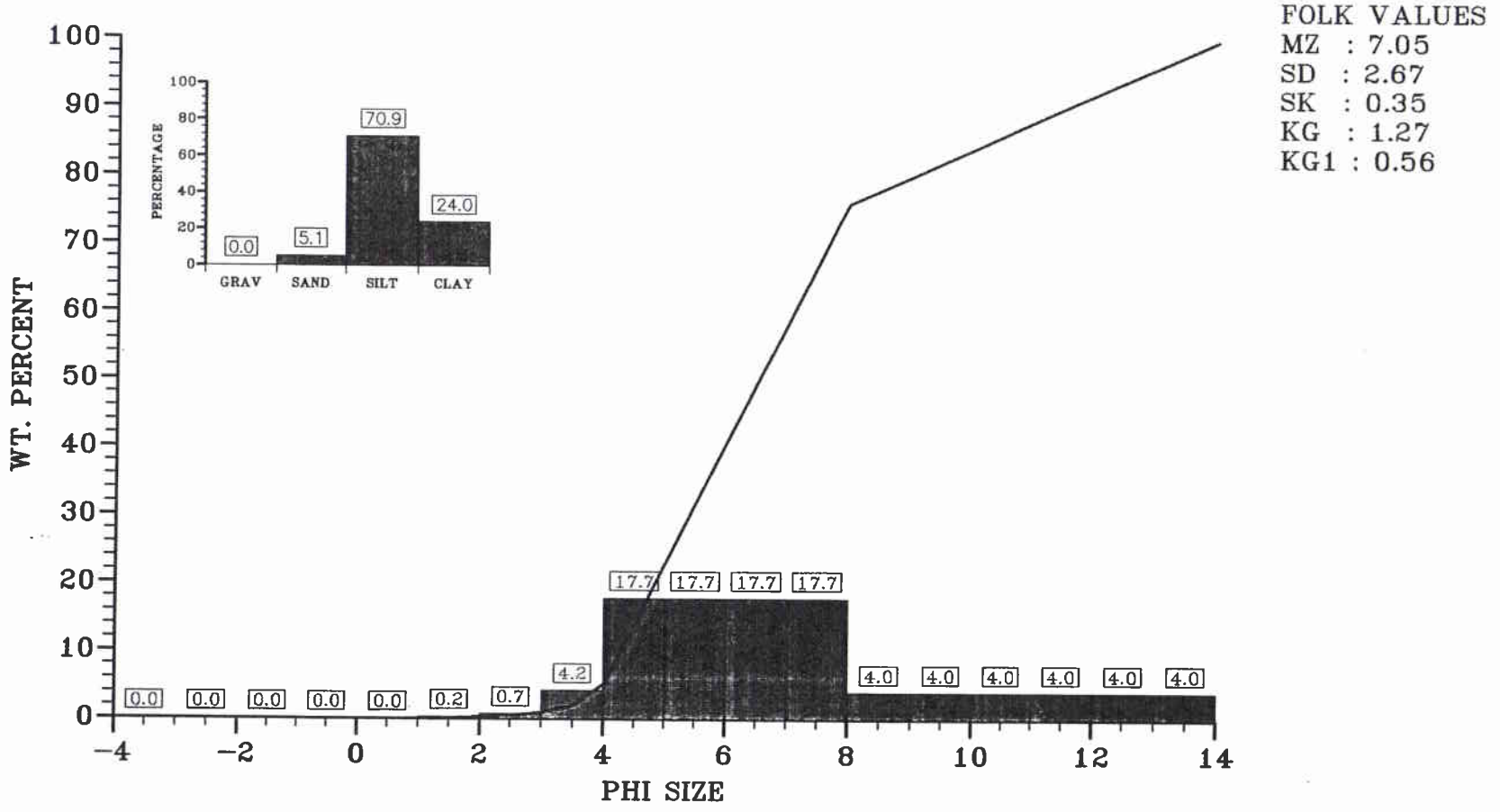
MEAN	ST.DEV	SKEW	KURT	N.KURT
8.23	3.04	0.26	0.76	0.43

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
7.65	8.52	3.36	0.26	0.36	0.34

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00005



UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160218

Cruise : MAJORICA Station : 00269 Sample : 00005
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
1.25	0.01	0.05	0.05
1.50	0.01	0.05	0.10
1.75	0.01	0.07	0.18
2.00	0.01	0.07	0.25
2.25	0.01	0.11	0.36
2.50	0.01	0.11	0.47
2.75	0.03	0.24	0.71
3.00	0.03	0.24	0.94
3.25	0.07	0.51	1.45
3.50	0.07	0.51	1.96
3.75	0.22	1.58	3.54
4.00	0.22	1.58	5.12
4.50	1.21	8.87	13.98
5.00	1.21	8.87	22.85
5.50	1.21	8.87	31.72
6.00	1.21	8.87	40.58
6.50	1.21	8.87	49.45
7.00	1.21	8.87	58.31
7.50	1.21	8.87	67.18
8.00	1.21	8.87	76.05
9.00	0.54	3.99	80.04
10.00	0.54	3.99	84.03
11.00	0.54	3.99	88.02
12.00	0.54	3.99	92.02
13.00	0.54	3.99	96.01
14.00	0.54	3.99	100.00

Post Analytical Weight : 13.60

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
3.98	4.61	5.12	6.53	7.94	9.99	12.75

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	5.12	70.93	23.95

FOLK VALUES :

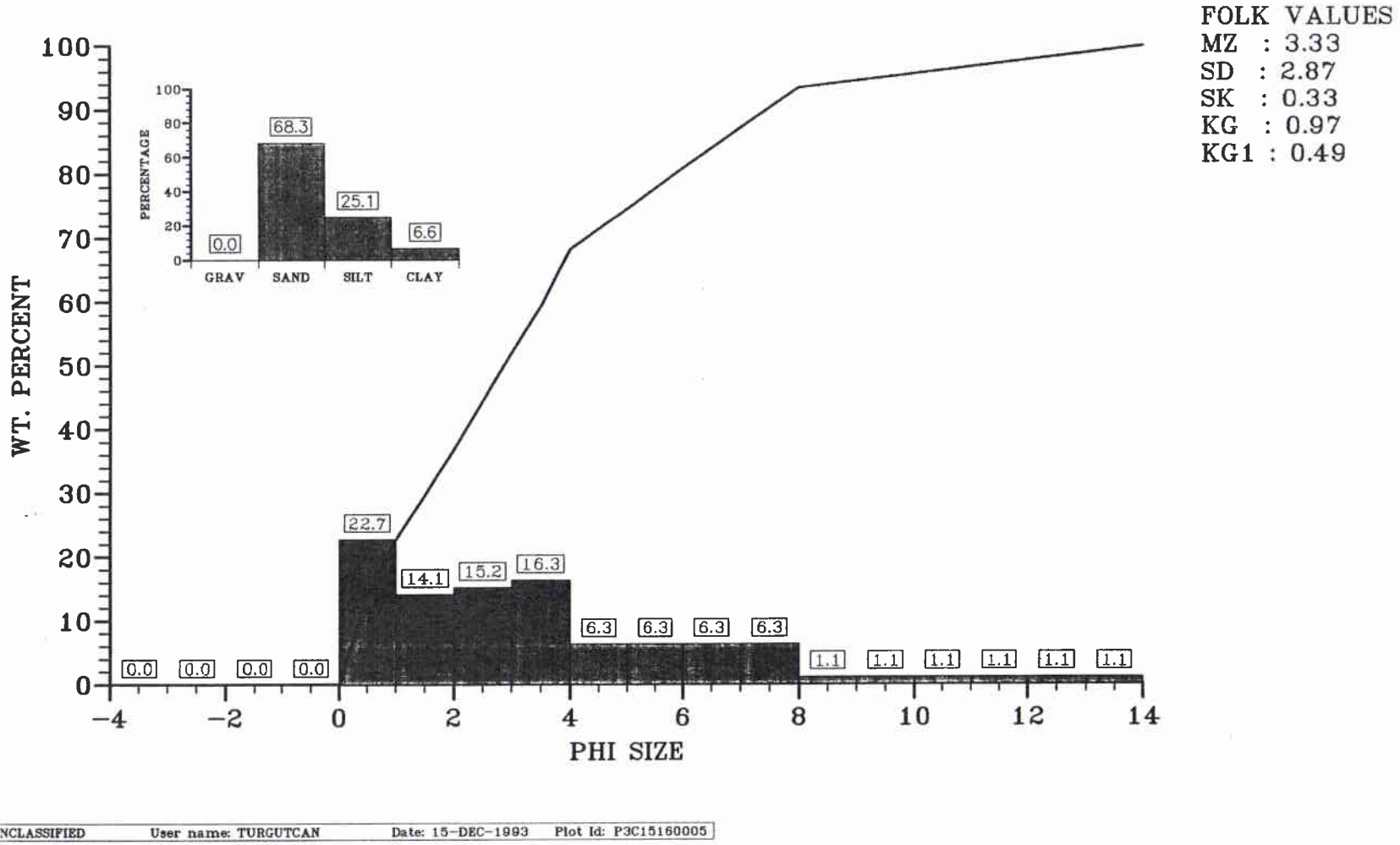
MEAN	ST.DEV	SKEW	KURT	N.KURT
7.05	2.67	0.35	1.27	0.56

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
6.53	7.30	2.69	0.29	0.68	0.63

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00010



UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15160005

Cruise : MAJORICA Station : 00269 Sample : 00010
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
0.25	1.01	6.99	6.99
0.50	1.01	6.99	13.97
0.75	0.63	4.38	18.35
1.00	0.63	4.38	22.73
1.25	0.50	3.47	26.20
1.50	0.50	3.47	29.66
1.75	0.52	3.58	33.24
2.00	0.52	3.58	36.82
2.25	0.55	3.78	40.60
2.50	0.55	3.78	44.39
2.75	0.55	3.81	48.19
3.00	0.55	3.81	52.00
3.25	0.54	3.71	55.70
3.50	0.54	3.71	59.41
3.75	0.64	4.45	63.86
4.00	0.64	4.45	68.31
4.50	0.45	3.14	71.45
5.00	0.45	3.14	74.59
5.50	0.45	3.14	77.73
6.00	0.45	3.14	80.87
6.50	0.45	3.14	84.01
7.00	0.45	3.14	87.15
7.50	0.45	3.14	90.29
8.00	0.45	3.14	93.43
9.00	0.16	1.10	94.52
10.00	0.16	1.10	95.62
11.00	0.16	1.10	96.71
12.00	0.16	1.10	97.81
13.00	0.16	1.10	98.90
14.00	0.16	1.10	100.00

Post Analytical Weight : 14.43

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
0.18	0.62	1.16	2.87	5.07	6.50	9.43

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	68.31	25.12	6.57

FOLK VALUES :

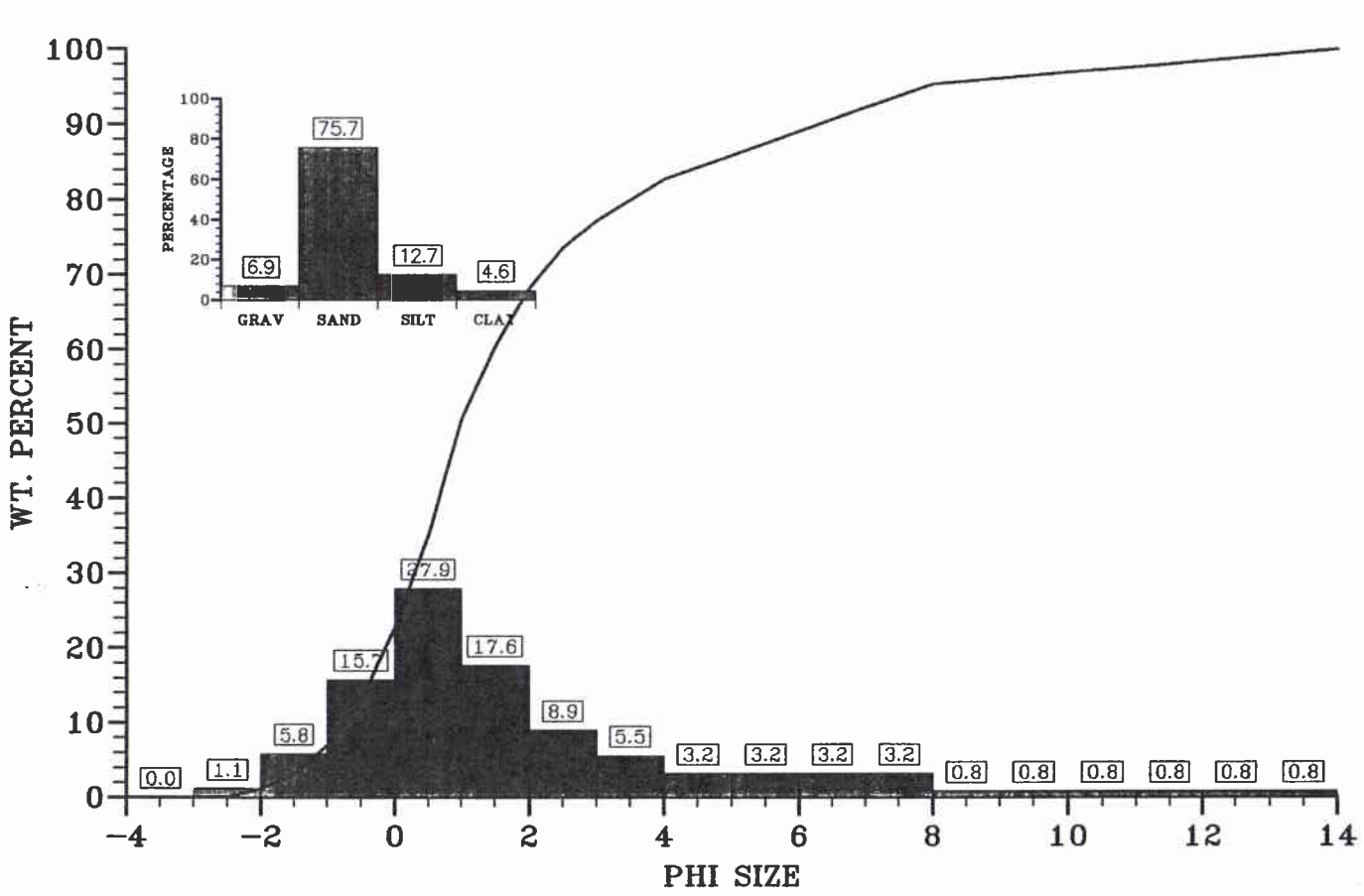
MEAN	ST.DEV	SKEW	KURT	N.KURT
3.33	2.87	0.33	0.97	0.49

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.87	3.56	2.94	0.23	0.66	0.57

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00015



FOLK VALUES
MZ : 1.69
SD : 2.57
SK : 0.48
KG : 1.44
KG1 : 0.59

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153215

Cruise : MAJORICA Station : 00269 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.17	0.57	0.57
-2.00	0.17	0.57	1.14
-1.75	0.29	0.95	2.09
-1.50	0.29	0.95	3.04
-1.25	0.59	1.95	4.99
-1.00	0.59	1.95	6.94
-0.75	0.89	2.96	9.90
-0.50	0.89	2.96	12.85
-0.25	1.48	4.90	17.75
0.00	1.48	4.90	22.66
0.25	1.88	6.25	28.91
0.50	1.88	6.25	35.16
0.75	2.32	7.71	42.87
1.00	2.32	7.71	50.58
1.25	1.48	4.90	55.49
1.50	1.48	4.90	60.39
1.75	1.18	3.92	64.30
2.00	1.18	3.92	68.22
2.25	0.80	2.66	70.89
2.50	0.80	2.66	73.55
2.75	0.55	1.81	75.36
3.00	0.55	1.81	77.17
3.25	0.41	1.36	78.53
3.50	0.41	1.36	79.90
3.75	0.42	1.39	81.29
4.00	0.42	1.39	82.69
4.50	0.48	1.58	84.27
5.00	0.48	1.58	85.85
5.50	0.48	1.58	87.44
6.00	0.48	1.58	89.02
6.50	0.48	1.58	90.61
7.00	0.48	1.58	92.19
7.50	0.48	1.58	93.77
8.00	0.48	1.58	95.36
9.00	0.23	0.77	96.13
10.00	0.23	0.77	96.91
11.00	0.23	0.77	97.68
12.00	0.23	0.77	98.45
13.00	0.23	0.77	99.23
14.00	0.23	0.77	100.00

Post Analytical Weight : 30.12

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.25	-0.34	0.09	0.98	2.70	4.41	7.89

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
6.94	75.75	12.67	4.64

FOLK VALUES :

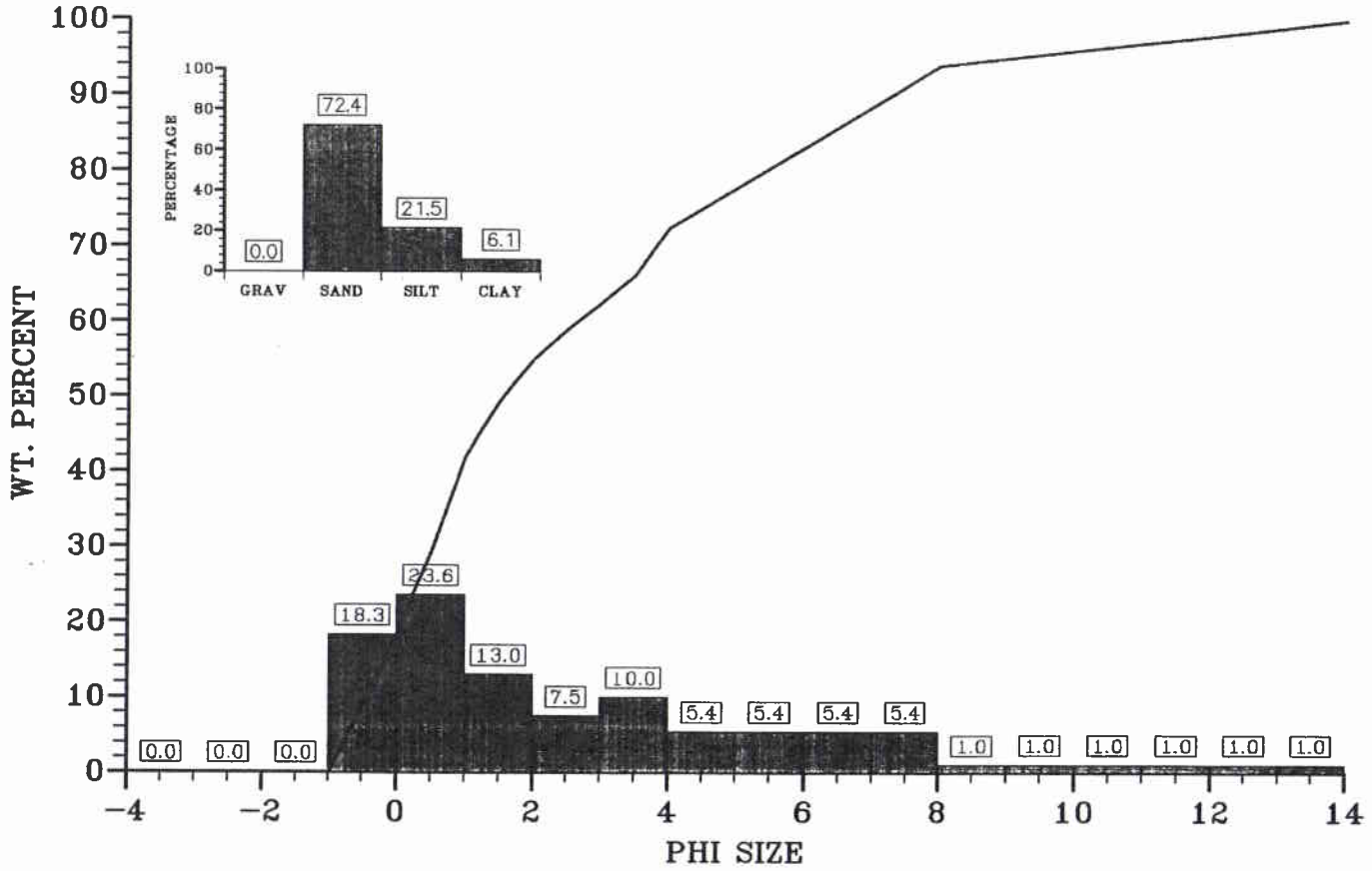
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.69	2.57	0.48	1.44	0.59

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.98	2.04	2.38	0.44	0.98	0.92

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00020



FOLK VALUES
MZ : 2.53
SD : 3.05
SK : 0.50
KG : 0.96
KG1 : 0.49

UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15155818

Cruise : MAJORICA Station : 00269 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-0.75	1.43	4.32	4.32
-0.50	1.43	4.32	8.65
-0.25	1.60	4.83	13.48
0.00	1.60	4.83	18.31
0.25	1.81	5.48	23.79
0.50	1.81	5.48	29.27
0.75	2.09	6.31	35.58
1.00	2.09	6.31	41.90
1.25	1.23	3.72	45.61
1.50	1.23	3.72	49.33
1.75	0.92	2.79	52.12
2.00	0.92	2.79	54.90
2.25	0.67	2.02	56.92
2.50	0.67	2.02	58.94
2.75	0.57	1.72	60.66
3.00	0.57	1.72	62.38
3.25	0.63	1.91	64.30
3.50	0.63	1.91	66.21
3.75	1.02	3.09	69.30
4.00	1.02	3.09	72.39
4.50	0.89	2.69	75.08
5.00	0.89	2.69	77.77
5.50	0.89	2.69	80.46
6.00	0.89	2.69	83.15
6.50	0.89	2.69	85.84
7.00	0.89	2.69	88.53
7.50	0.89	2.69	91.22
8.00	0.89	2.69	93.92
9.00	0.34	1.01	94.93
10.00	0.34	1.01	95.94
11.00	0.34	1.01	96.96
12.00	0.34	1.01	97.97
13.00	0.34	1.01	98.99
14.00	0.34	1.01	100.00

Post Analytical Weight : 33.03

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.71	-0.12	0.31	1.56	4.49	6.16	9.07

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	72.39	21.53	6.08

FOLK VALUES :

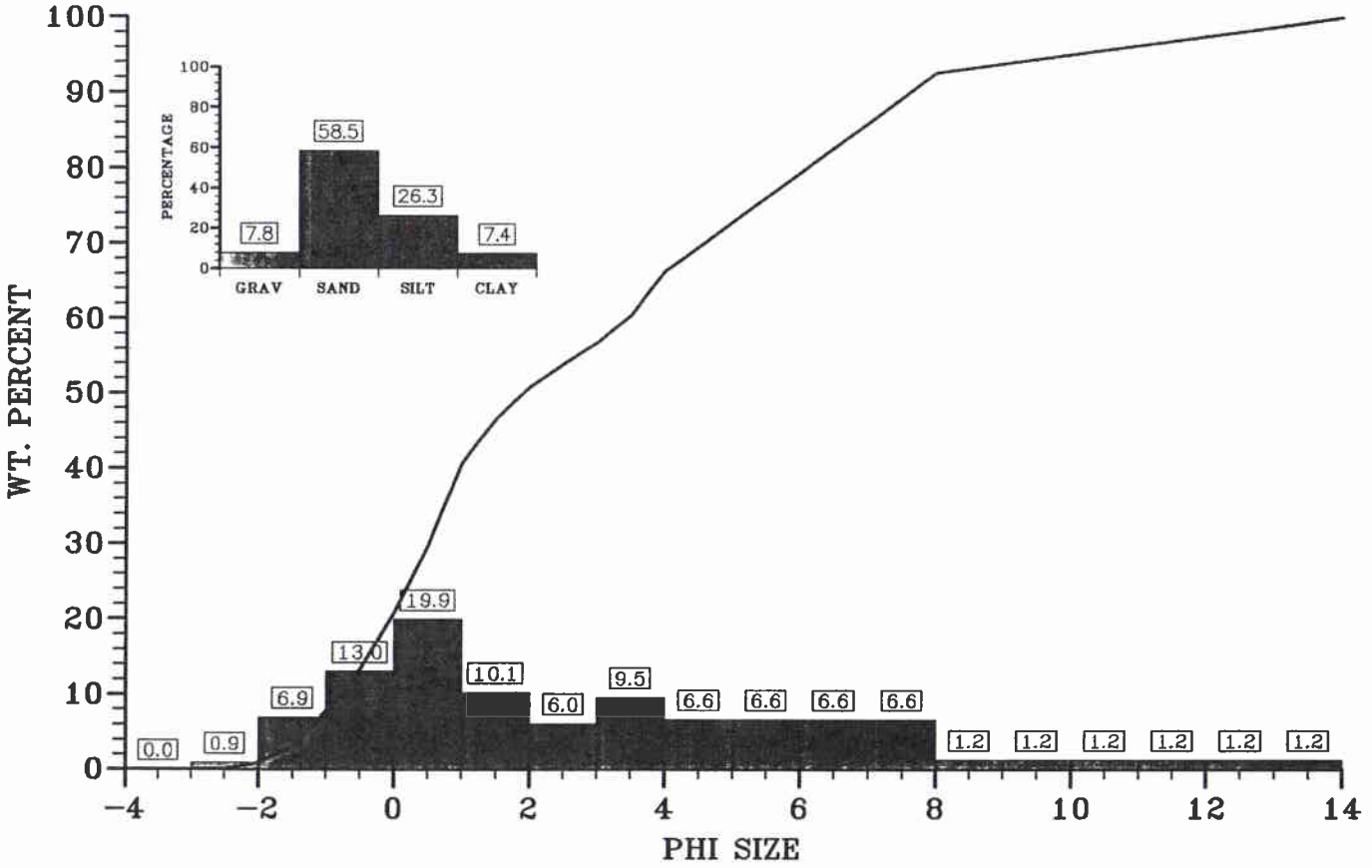
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.53	3.05	0.50	0.96	0.49

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.56	3.02	3.14	0.46	0.83	0.56

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00025



FOLK VALUES
MZ : 2.76
SD : 3.45
SK : 0.40
KG : 0.90
KG1 : 0.47

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153240

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00269 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.16	0.44	0.44
-2.00	0.16	0.44	0.88
-1.75	0.38	1.05	1.93
-1.50	0.38	1.05	2.99
-1.25	0.87	2.39	5.37
-1.00	0.87	2.39	7.76
-0.75	1.01	2.78	10.55
-0.50	1.01	2.78	13.33
-0.25	1.35	3.72	17.05
0.00	1.35	3.72	20.77
0.25	1.62	4.48	25.25
0.50	1.62	4.48	29.73
0.75	1.98	5.46	35.19
1.00	1.98	5.46	40.65
1.25	1.07	2.96	43.61
1.50	1.07	2.96	46.56
1.75	0.76	2.11	48.68
2.00	0.76	2.11	50.79
2.25	0.56	1.53	52.32
2.50	0.56	1.53	53.85
2.75	0.54	1.48	55.33
3.00	0.54	1.48	56.80
3.25	0.64	1.78	58.58
3.50	0.64	1.78	60.36
3.75	1.08	2.97	63.33
4.00	1.08	2.97	66.30
4.50	1.19	3.29	69.59
5.00	1.19	3.29	72.88
5.50	1.19	3.29	76.17
6.00	1.19	3.29	79.46
6.50	1.19	3.29	82.75
7.00	1.19	3.29	86.04
7.50	1.19	3.29	89.32
8.00	1.19	3.29	92.61
9.00	0.45	1.23	93.85
10.00	0.45	1.23	95.08
11.00	0.45	1.23	96.31
12.00	0.45	1.23	97.54
13.00	0.45	1.23	98.77
14.00	0.45	1.23	100.00

Post Analytical Weight : 36.23

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.29	-0.32	0.24	1.91	5.32	6.69	9.94

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
7.76	58.54	26.32	7.39

FOLK VALUES :

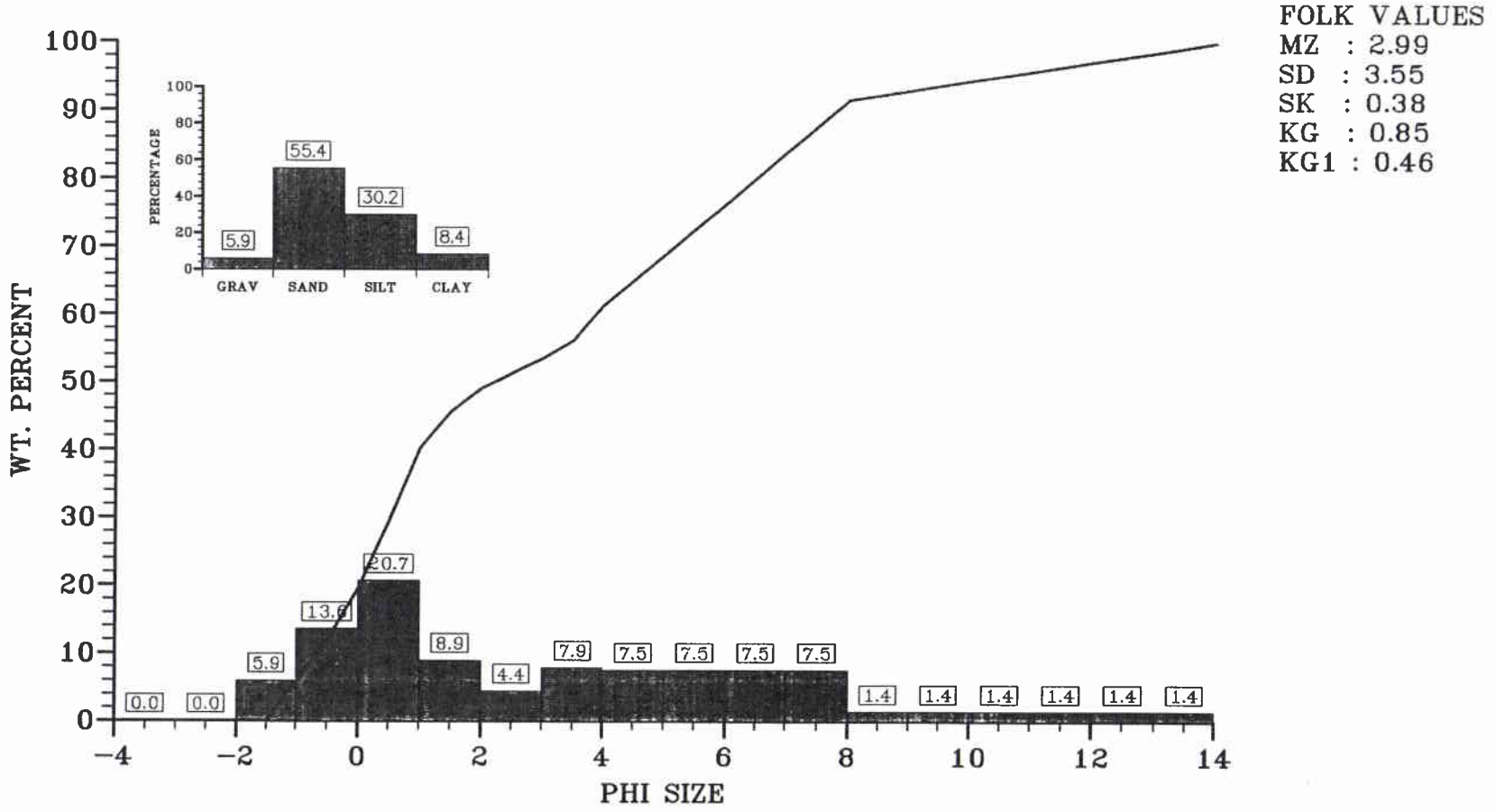
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.76	3.45	0.40	0.90	0.47

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.91	3.19	3.51	0.36	0.69	0.60

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00030



UNCLASSIFIED User name: TURGUTCAN Date: 15-DEC-1993 Plot Id: P3C15155622

Cruise : MAJORICA Station : 00269 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.25	0.89	2.97	2.97
-1.00	0.89	2.97	5.94
-0.75	0.88	2.95	8.89
-0.50	0.88	2.95	11.84
-0.25	1.15	3.84	15.68
0.00	1.15	3.84	19.52
0.25	1.50	5.00	24.53
0.50	1.50	5.00	29.53
0.75	1.60	5.33	34.86
1.00	1.60	5.33	40.19
1.25	0.82	2.72	42.90
1.50	0.82	2.72	45.62
1.75	0.52	1.74	47.36
2.00	0.52	1.74	49.10
2.25	0.34	1.12	50.22
2.50	0.34	1.12	51.34
2.75	0.33	1.09	52.43
3.00	0.33	1.09	53.52
3.25	0.42	1.39	54.91
3.50	0.42	1.39	56.31
3.75	0.76	2.54	58.85
4.00	0.76	2.54	61.39
4.50	1.13	3.77	65.16
5.00	1.13	3.77	68.93
5.50	1.13	3.77	72.70
6.00	1.13	3.77	76.47
6.50	1.13	3.77	80.24
7.00	1.13	3.77	84.01
7.50	1.13	3.77	87.78
8.00	1.13	3.77	91.55
9.00	0.42	1.41	92.96
10.00	0.42	1.41	94.37
11.00	0.42	1.41	95.78
12.00	0.42	1.41	97.18
13.00	0.42	1.41	98.59
14.00	0.42	1.41	100.00

Post Analytical Weight : 30.05

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.08	-0.23	0.27	2.20	5.81	7.00	10.45

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
5.94	55.44	30.17	8.45

FOLK VALUES :

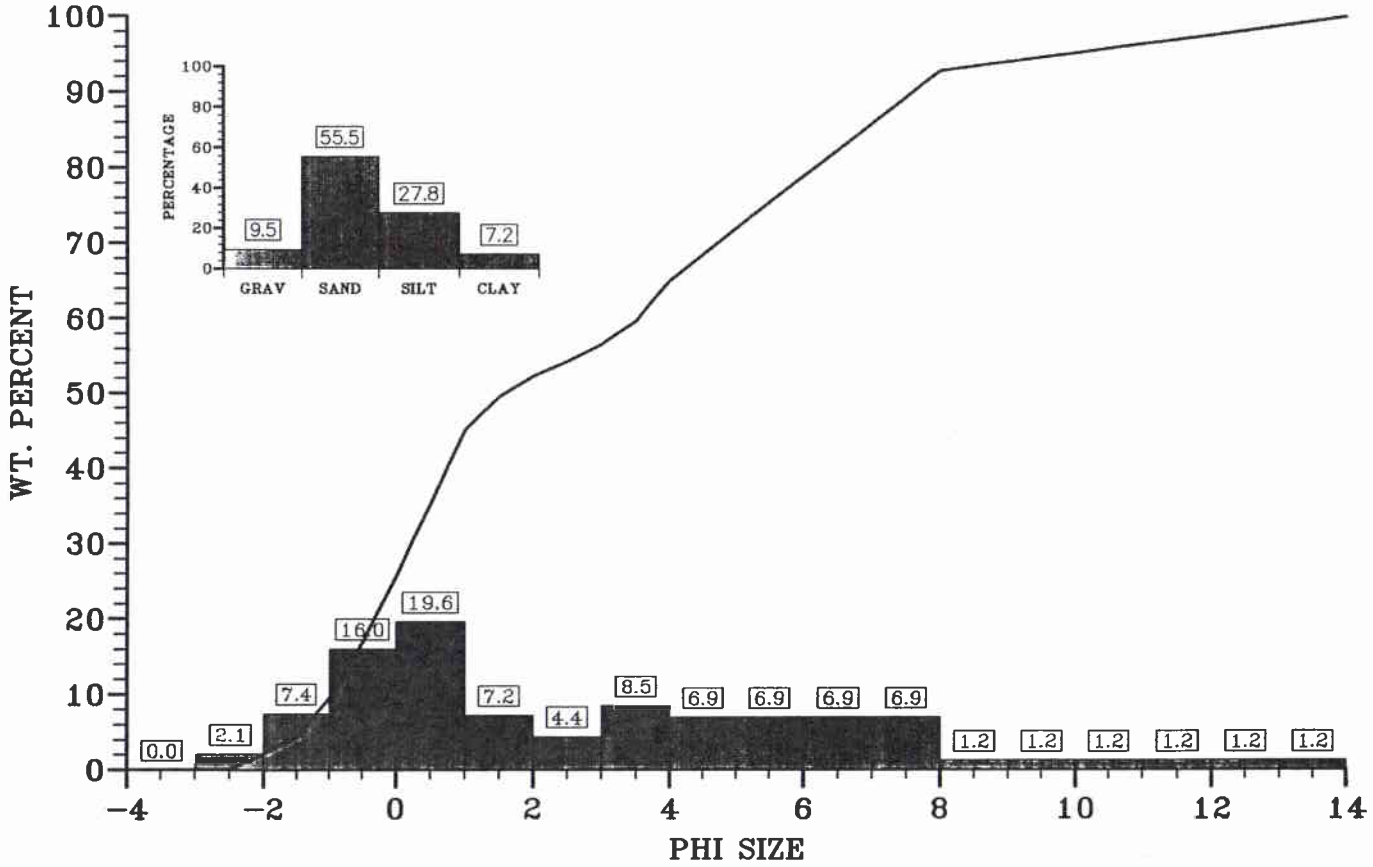
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.99	3.55	0.38	0.85	0.46

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.20	3.38	3.61	0.33	0.69	0.59

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00035



FOLK VALUES
MZ : 2.59
SD : 3.53
SK : 0.44
KG : 0.85
KG1 : 0.46

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153312

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00269 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.31	1.05	1.05
-2.00	0.31	1.05	2.10
-1.75	0.34	1.13	3.23
-1.50	0.34	1.13	4.36
-1.25	0.76	2.57	6.93
-1.00	0.76	2.57	9.50
-0.75	1.08	3.66	13.17
-0.50	1.08	3.66	16.83
-0.25	1.28	4.34	21.17
0.00	1.28	4.34	25.51
0.25	1.45	4.91	30.42
0.50	1.45	4.91	35.33
0.75	1.44	4.87	40.20
1.00	1.44	4.87	45.07
1.25	0.65	2.21	47.27
1.50	0.65	2.21	49.48
1.75	0.41	1.37	50.85
2.00	0.41	1.37	52.22
2.25	0.30	1.01	53.24
2.50	0.30	1.01	54.25
2.75	0.34	1.16	55.41
3.00	0.34	1.16	56.58
3.25	0.46	1.56	58.13
3.50	0.46	1.56	59.69
3.75	0.79	2.68	62.36
4.00	0.79	2.68	65.04
4.50	1.03	3.47	68.51
5.00	1.03	3.47	71.98
5.50	1.03	3.47	75.45
6.00	1.03	3.47	78.92
6.50	1.03	3.47	82.39
7.00	1.03	3.47	85.86
7.50	1.03	3.47	89.33
8.00	1.03	3.47	92.80
9.00	0.35	1.20	94.00
10.00	0.35	1.20	95.20
11.00	0.35	1.20	96.40
12.00	0.35	1.20	97.60
13.00	0.35	1.20	98.80
14.00	0.35	1.20	100.00

Post Analytical Weight : 29.57

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.44	-0.56	-0.03	1.59	5.44	6.73	9.84

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
9.50	55.54	27.76	7.20

FOLK VALUES :

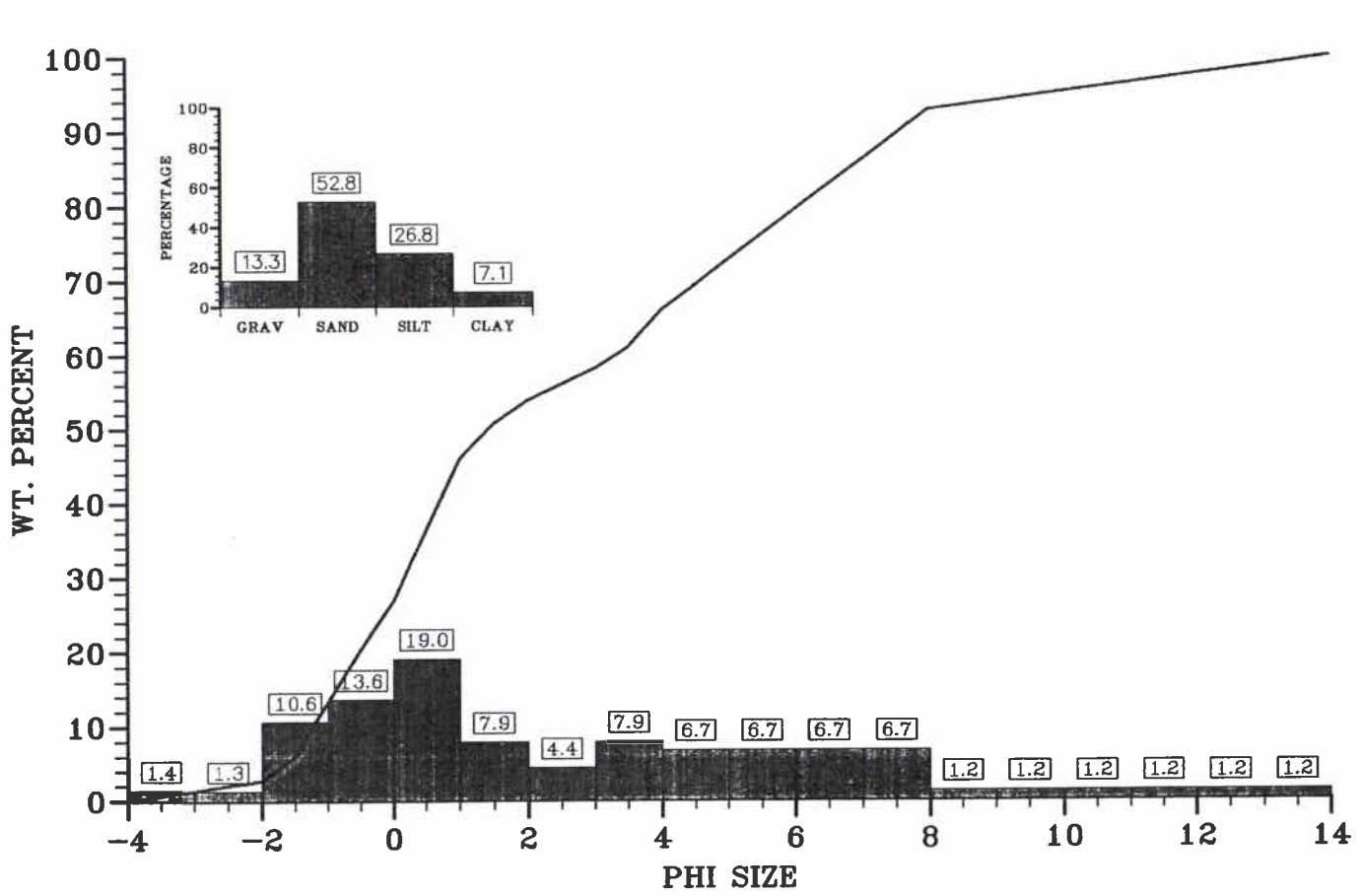
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.59	3.53	0.44	0.85	0.46

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.59	3.09	3.64	0.41	0.71	0.55

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00040



FOLK VALUES
MZ : 2.43
SD : 3.61
SK : 0.43
KG : 0.86
KG1 : 0.46

UNCLASSIFIED User name: TURGUTCAN Date: 16-DEC-1993 Plot Id: P3C16144454

Cruise : MAJORICA Station : 00269 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.12	0.35	0.35
-3.50	0.12	0.35	0.70
-3.25	0.12	0.35	1.05
-3.00	0.12	0.35	1.39
-2.75	0.12	0.33	1.73
-2.50	0.12	0.33	2.06
-2.25	0.12	0.33	2.39
-2.00	0.12	0.33	2.72
-1.75	0.60	1.71	4.43
-1.50	0.60	1.71	6.14
-1.25	1.27	3.59	9.73
-1.00	1.27	3.59	13.31
-0.75	1.25	3.55	16.87
-0.50	1.25	3.55	20.42
-0.25	1.15	3.26	23.67
0.00	1.15	3.26	26.93
0.25	1.67	4.73	31.66
0.50	1.67	4.73	36.39
0.75	1.69	4.79	41.18
1.00	1.69	4.79	45.98
1.25	0.85	2.41	48.38
1.50	0.85	2.41	50.79
1.75	0.54	1.53	52.32
2.00	0.54	1.53	53.85
2.25	0.39	1.10	54.95
2.50	0.39	1.10	56.05
2.75	0.38	1.09	57.14
3.00	0.38	1.09	58.23
3.25	0.49	1.39	59.62
3.50	0.49	1.39	61.01
3.75	0.90	2.55	63.56
4.00	0.90	2.55	66.10
4.50	1.18	3.34	69.45
5.00	1.18	3.34	72.79
5.50	1.18	3.34	76.14
6.00	1.18	3.34	79.48
6.50	1.18	3.34	82.83
7.00	1.18	3.34	86.17
7.50	1.18	3.34	89.51
8.00	1.18	3.34	92.86
9.00	0.42	1.19	94.05
10.00	0.42	1.19	95.24
11.00	0.42	1.19	96.43
12.00	0.42	1.19	97.62
13.00	0.42	1.19	98.81
14.00	0.42	1.19	100.00

Post Analytical Weight : 35.28

Cruise : MAJORICA Station : 00269 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.67	-0.81	-0.15	1.42	5.33	6.68	9.80

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
13.31	52.79	26.75	7.14

FOLK VALUES :

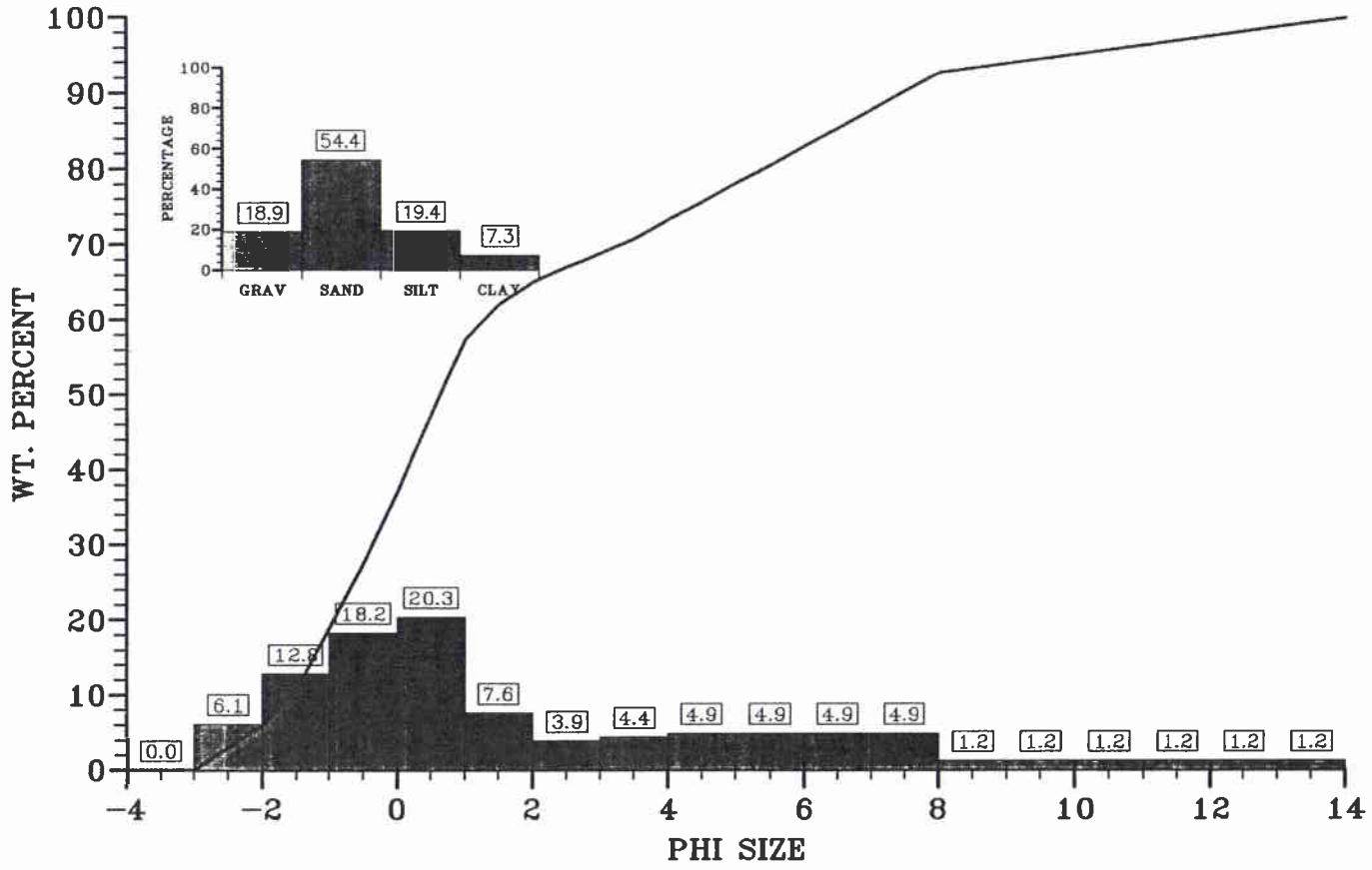
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.43	3.61	0.43	0.86	0.46

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.42	2.93	3.74	0.40	0.71	0.53

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00045



FOLK VALUES
MZ : 1.89
SD : 3.68
SK : 0.52
KG : 0.99
KG1 : 0.50

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153343

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00269 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.64	1.52	1.52
-2.50	0.64	1.52	3.05
-2.25	0.64	1.52	4.57
-2.00	0.64	1.52	6.09
-1.75	1.00	2.37	8.46
-1.50	1.00	2.37	10.83
-1.25	1.70	4.02	14.84
-1.00	1.70	4.02	18.86
-0.75	1.82	4.30	23.16
-0.50	1.82	4.30	27.46
-0.25	2.04	4.82	32.28
0.00	2.04	4.82	37.09
0.25	2.17	5.12	42.21
0.50	2.17	5.12	47.33
0.75	2.14	5.05	52.38
1.00	2.14	5.05	57.44
1.25	0.98	2.31	59.74
1.50	0.98	2.31	62.05
1.75	0.63	1.48	63.53
2.00	0.63	1.48	65.00
2.25	0.43	1.01	66.01
2.50	0.43	1.01	67.02
2.75	0.39	0.93	67.95
3.00	0.39	0.93	68.88
3.25	0.39	0.92	69.80
3.50	0.39	0.92	70.71
3.75	0.54	1.27	71.98
4.00	0.54	1.27	73.25
4.50	1.03	2.43	75.68
5.00	1.03	2.43	78.10
5.50	1.03	2.43	80.53
6.00	1.03	2.43	82.96
6.50	1.03	2.43	85.38
7.00	1.03	2.43	87.81
7.50	1.03	2.43	90.24
8.00	1.03	2.43	92.66
9.00	0.52	1.22	93.89
10.00	0.52	1.22	95.11
11.00	0.52	1.22	96.33
12.00	0.52	1.22	97.55
13.00	0.52	1.22	98.78
14.00	0.52	1.22	100.00

Post Analytical Weight : 42.36

Cruise : MAJORICA Station : 00269 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-2.18	-1.18	-0.64	0.63	4.36	6.21	9.91

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
18.86	54.40	19.41	7.34

FOLK VALUES :

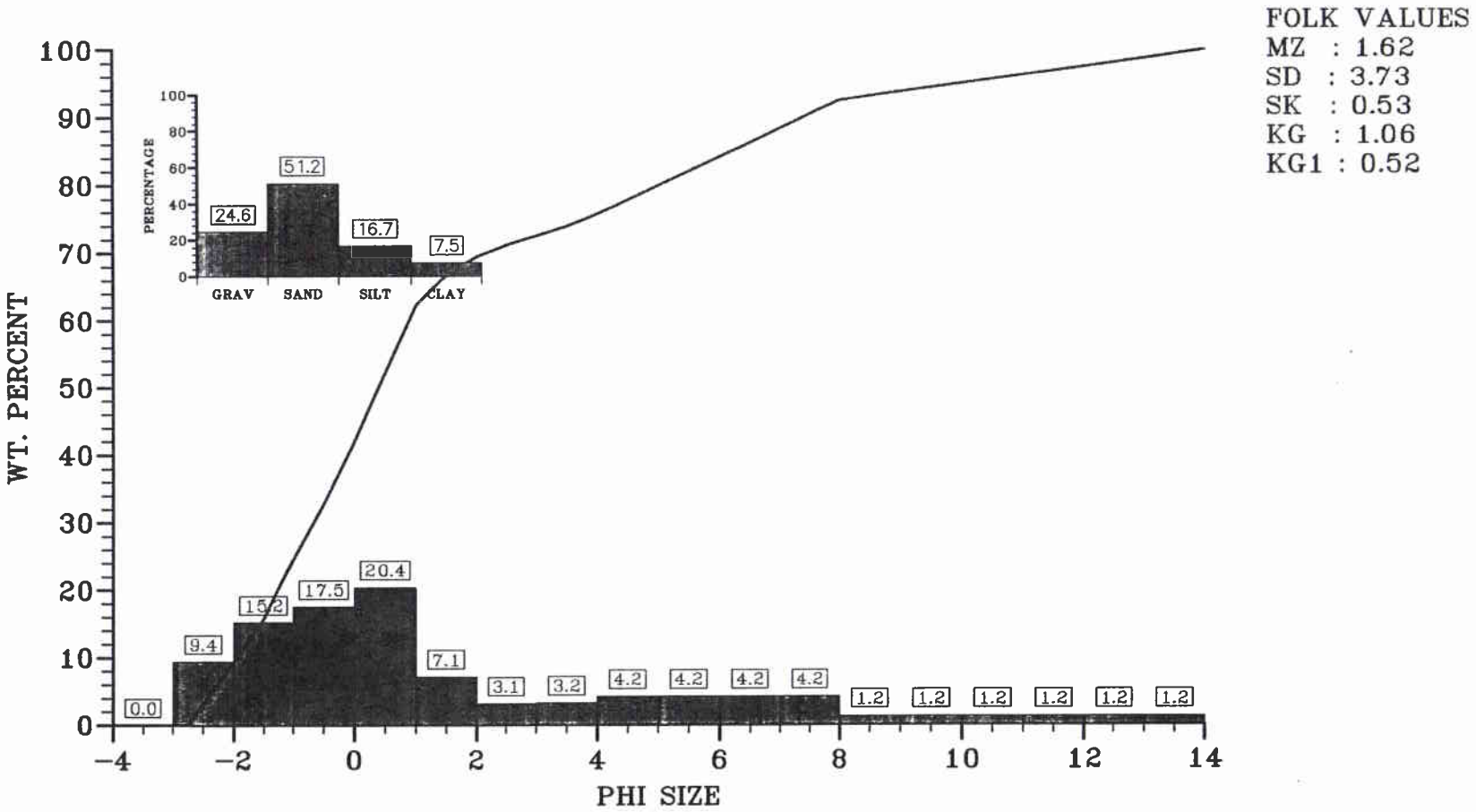
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.89	3.68	0.52	0.99	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.63	2.52	3.70	0.51	0.87	0.64

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00048



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153405

Cruise : MAJORICA Station : 00269 Sample : 00048
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.50	1.23	3.14	3.14
-2.25	1.23	3.14	6.27
-2.00	1.23	3.14	9.41
-1.75	1.26	3.21	12.62
-1.50	1.26	3.21	15.84
-1.25	1.71	4.36	20.20
-1.00	1.71	4.36	24.56
-0.75	1.60	4.09	28.65
-0.50	1.60	4.09	32.74
-0.25	1.82	4.64	37.38
0.00	1.82	4.64	42.03
0.25	2.01	5.12	47.15
0.50	2.01	5.12	52.27
0.75	1.98	5.05	57.32
1.00	1.98	5.05	62.38
1.25	0.86	2.20	64.58
1.50	0.86	2.20	66.77
1.75	0.53	1.35	68.13
2.00	0.53	1.35	69.48
2.25	0.33	0.84	70.32
2.50	0.33	0.84	71.15
2.75	0.28	0.71	71.87
3.00	0.28	0.71	72.58
3.25	0.27	0.70	73.28
3.50	0.27	0.70	73.97
3.75	0.36	0.92	74.89
4.00	0.36	0.92	75.81
4.50	0.82	2.09	77.90
5.00	0.82	2.09	79.99
5.50	0.82	2.09	82.08
6.00	0.82	2.09	84.18
6.50	0.82	2.09	86.27
7.00	0.82	2.09	88.36
7.50	0.82	2.09	90.45
8.00	0.82	2.09	92.54
9.00	0.49	1.24	93.79
10.00	0.49	1.24	95.03
11.00	0.49	1.24	96.27
12.00	0.49	1.24	97.51
13.00	0.49	1.24	98.76
14.00	0.49	1.24	100.00

Post Analytical Weight : 39.19

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-2.35	-1.49	-0.97	0.39	3.78	5.96	9.98

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
24.56	51.25	16.74	7.46

FOLK VALUES :

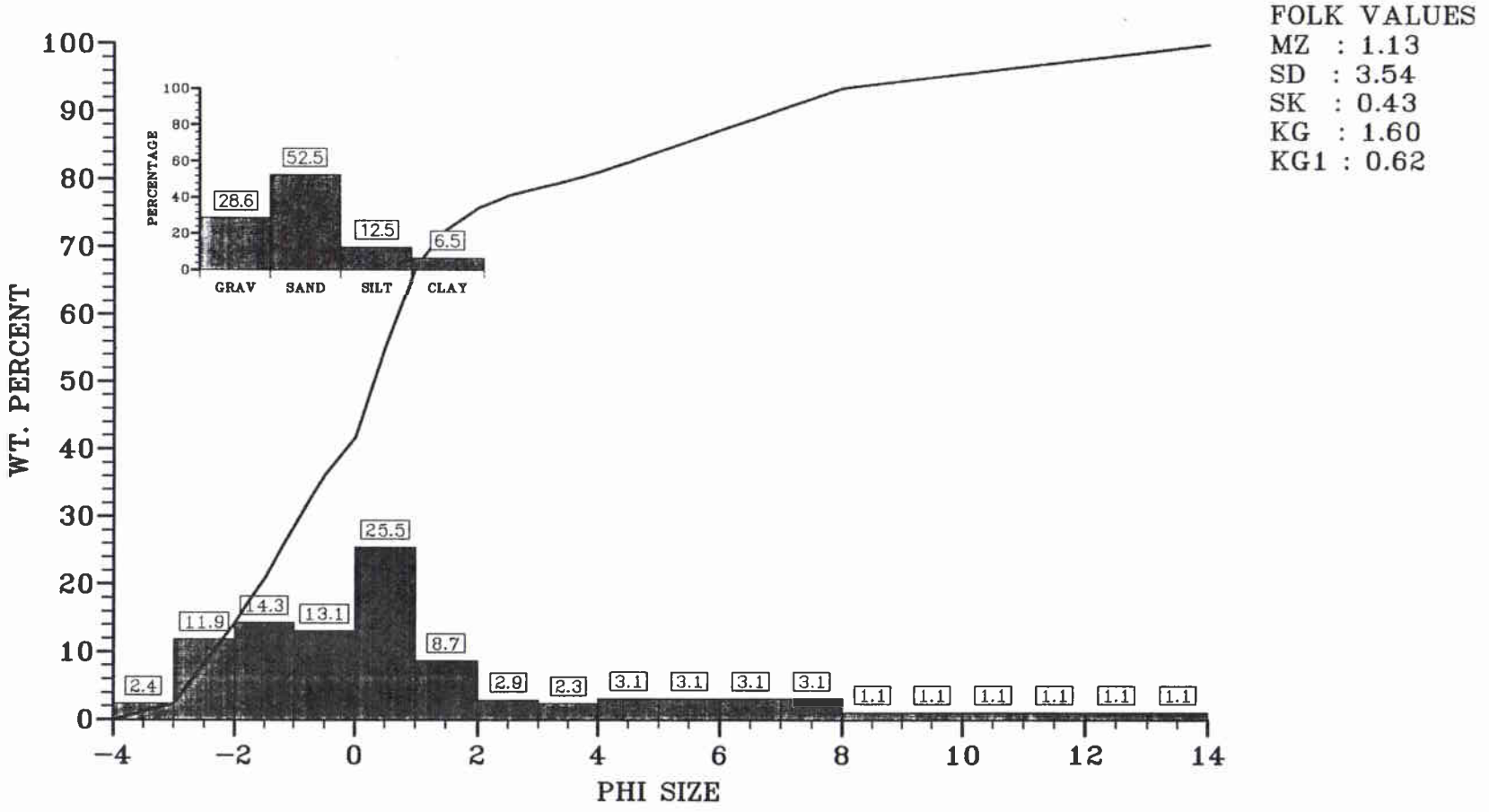
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.62	3.73	0.53	1.06	0.52

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.39	2.23	3.72	0.50	0.92	0.65

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00050



UNCLASSIFIED User name: TURGUTCAN Date: 16-DEC-1993 Plot Id: P3C16145000

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00269 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.23	0.60	0.60
-3.50	0.23	0.60	1.19
-3.25	0.23	0.60	1.79
-3.00	0.23	0.60	2.38
-2.75	1.14	2.97	5.35
-2.50	1.14	2.97	8.32
-2.25	1.14	2.97	11.29
-2.00	1.14	2.97	14.26
-1.75	1.28	3.32	17.58
-1.50	1.28	3.32	20.90
-1.25	1.48	3.84	24.74
-1.00	1.48	3.84	28.58
-0.75	1.47	3.83	32.40
-0.50	1.47	3.83	36.23
-0.25	1.04	2.71	38.94
0.00	1.04	2.71	41.65
0.25	2.63	6.84	48.48
0.50	2.63	6.84	55.32
0.75	2.27	5.90	61.22
1.00	2.27	5.90	67.13
1.25	1.04	2.70	69.82
1.50	1.04	2.70	72.52
1.75	0.63	1.65	74.17
2.00	0.63	1.65	75.82
2.25	0.34	0.88	76.70
2.50	0.34	0.88	77.58
2.75	0.22	0.58	78.16
3.00	0.22	0.58	78.73
3.25	0.21	0.54	79.28
3.50	0.21	0.54	79.82
3.75	0.24	0.63	80.45
4.00	0.24	0.63	81.08
4.50	0.60	1.56	82.63
5.00	0.60	1.56	84.19
5.50	0.60	1.56	85.75
6.00	0.60	1.56	87.30
6.50	0.60	1.56	88.86
7.00	0.60	1.56	90.42
7.50	0.60	1.56	91.97
8.00	0.60	1.56	93.53
9.00	0.41	1.08	94.61
10.00	0.41	1.08	95.69
11.00	0.41	1.08	96.76
12.00	0.41	1.08	97.84
13.00	0.41	1.08	98.92
14.00	0.41	1.08	100.00

Post Analytical Weight : 38.48

Cruise : MAJORICA Station : 00269 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-2.78	-1.87	-1.23	0.31	1.88	4.94	9.36

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
28.58	52.50	12.45	6.47

FOLK VALUES :

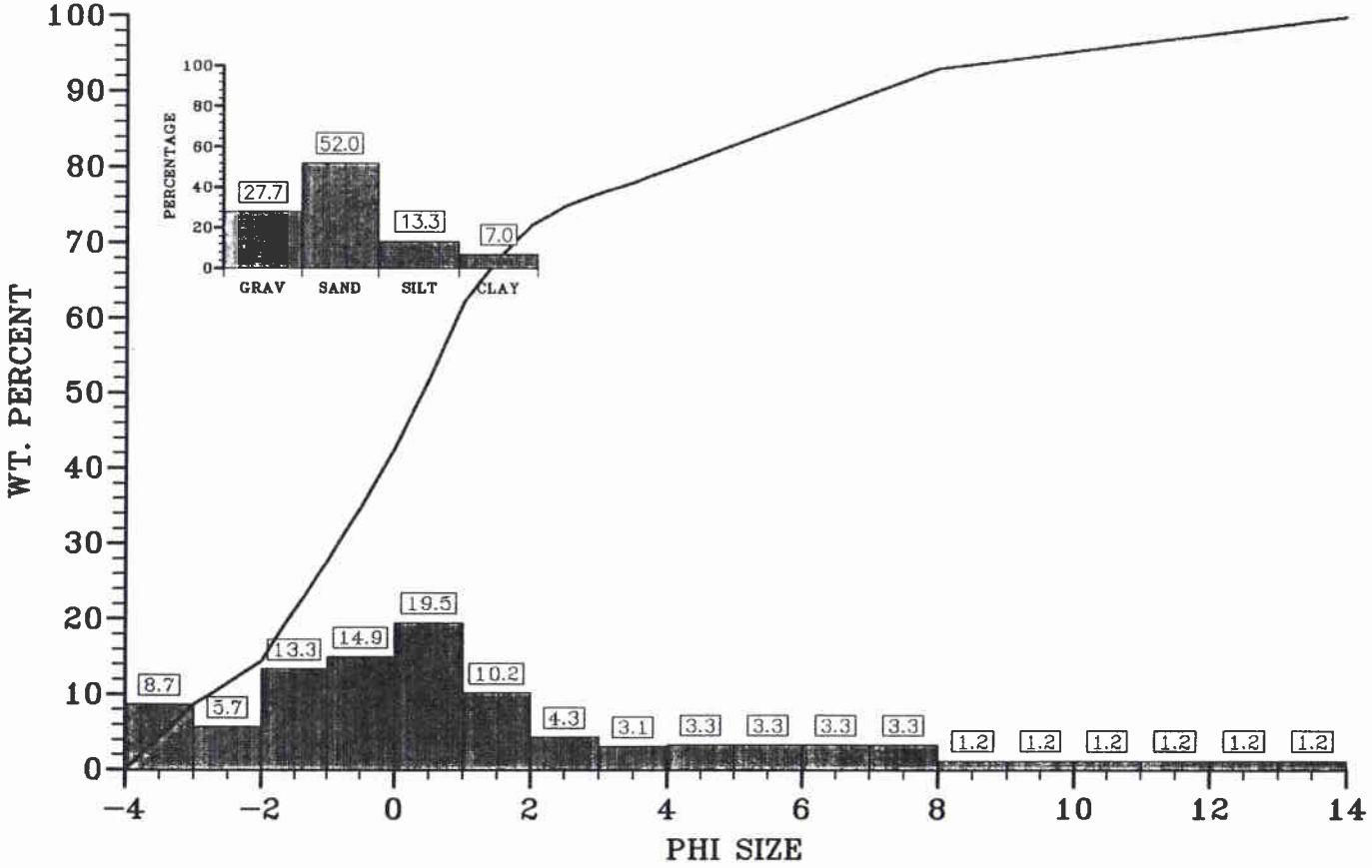
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.13	3.54	0.43	1.60	0.62

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.31	1.54	3.40	0.36	0.88	0.78

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00055



FOLK VALUES
MZ : 1.27
SD : 3.78
SK : 0.39
KG : 1.43
KG1 : 0.59

UNCLASSIFIED User name: TURGUTCAN Date: 18-JAN-1994 Plot Id: H4118143048

Cruise : MAJCRICA Station : 00269 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.86	2.17	2.17
-3.50	0.86	2.17	4.33
-3.25	0.86	2.17	6.50
-3.00	0.86	2.17	8.66
-2.75	0.56	1.42	10.08
-2.50	0.56	1.42	11.51
-2.25	0.56	1.42	12.93
-2.00	0.56	1.42	14.35
-1.75	1.38	3.47	17.83
-1.50	1.38	3.47	21.30
-1.25	1.27	3.20	24.50
-1.00	1.27	3.20	27.70
-0.75	1.40	3.53	31.22
-0.50	1.40	3.53	34.75
-0.25	1.56	3.95	38.69
0.00	1.56	3.95	42.64
0.25	1.85	4.67	47.31
0.50	1.85	4.67	51.98
0.75	2.01	5.07	57.05
1.00	2.01	5.07	62.12
1.25	1.15	2.91	65.03
1.50	1.15	2.91	67.95
1.75	0.86	2.18	70.12
2.00	0.86	2.18	72.30
2.25	0.50	1.27	73.57
2.50	0.50	1.27	74.84
2.75	0.35	0.89	75.72
3.00	0.35	0.89	76.61
3.25	0.29	0.72	77.33
3.50	0.29	0.72	78.06
3.75	0.33	0.82	78.88
4.00	0.33	0.82	79.70
4.50	0.66	1.66	81.36
5.00	0.66	1.66	83.03
5.50	0.66	1.66	84.69
6.00	0.66	1.66	86.35
6.50	0.66	1.66	88.02
7.00	0.66	1.66	89.68
7.50	0.66	1.66	91.34
8.00	0.66	1.66	93.00
9.00	0.46	1.17	94.17
10.00	0.46	1.17	95.34
11.00	0.46	1.17	96.50
12.00	0.46	1.17	97.67
13.00	0.46	1.17	98.83
14.00	0.46	1.17	100.00

Post Analytical Weight : 39.63

Cruise : MAJORICA Station : 00269 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.42	-1.88	-1.21	0.39	2.55	5.29	9.71

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
27.70	52.00	13.30	7.00

FOLK VALUES :

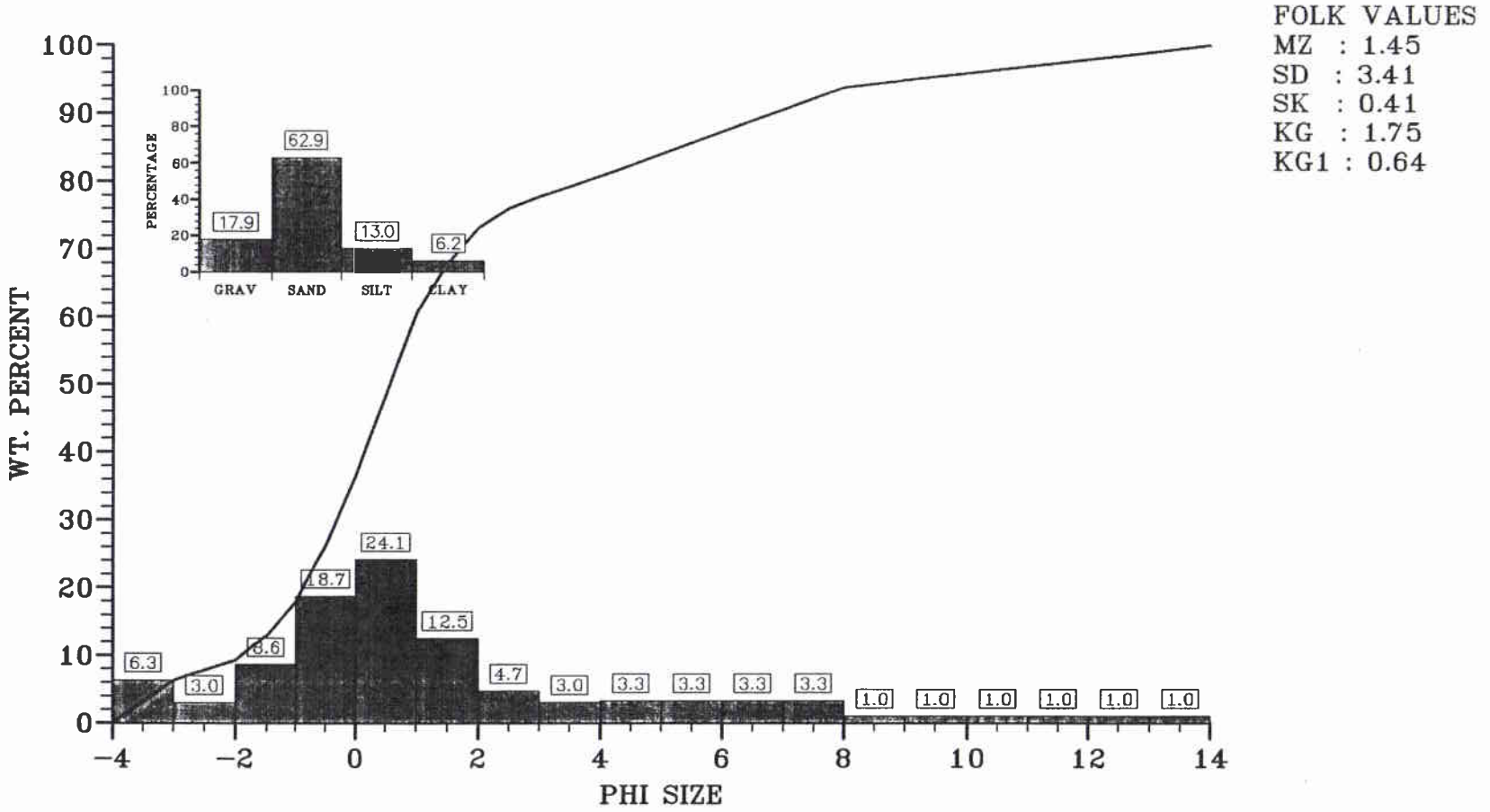
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.27	3.78	0.39	1.43	0.59

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.39	1.71	3.59	0.37	0.77	0.83

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00060



UNCLASSIFIED User name: TURGUTCAN Date: 16-DEC-1993 Plot Id: P3C16145444

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00269 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.62	1.58	1.58
-3.50	0.62	1.58	3.16
-3.25	0.62	1.58	4.73
-3.00	0.62	1.58	6.31
-2.75	0.29	0.74	7.05
-2.50	0.29	0.74	7.80
-2.25	0.29	0.74	8.54
-2.00	0.29	0.74	9.28
-1.75	0.73	1.84	11.12
-1.50	0.73	1.84	12.96
-1.25	0.97	2.47	15.43
-1.00	0.97	2.47	17.89
-0.75	1.63	4.13	22.02
-0.50	1.63	4.13	26.15
-0.25	2.05	5.20	31.35
0.00	2.05	5.20	36.56
0.25	2.32	5.89	42.45
0.50	2.32	5.89	48.34
0.75	2.43	6.16	54.49
1.00	2.43	6.16	60.65
1.25	1.44	3.65	64.29
1.50	1.44	3.65	67.94
1.75	1.02	2.58	70.52
2.00	1.02	2.58	73.10
2.25	0.57	1.45	74.55
2.50	0.57	1.45	76.01
2.75	0.35	0.88	76.88
3.00	0.35	0.88	77.76
3.25	0.28	0.71	78.47
3.50	0.28	0.71	79.17
3.75	0.32	0.81	79.98
4.00	0.32	0.81	80.79
4.50	0.64	1.63	82.42
5.00	0.64	1.63	84.05
5.50	0.64	1.63	85.68
6.00	0.64	1.63	87.31
6.50	0.64	1.63	88.94
7.00	0.64	1.63	90.58
7.50	0.64	1.63	92.21
8.00	0.64	1.63	93.84
9.00	0.41	1.03	94.86
10.00	0.41	1.03	95.89
11.00	0.41	1.03	96.92
12.00	0.41	1.03	97.95
13.00	0.41	1.03	98.97
14.00	0.41	1.03	100.00

Post Analytical Weight : 39.43

Cruise : MAJORICA Station : 00269 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.21	-1.19	-0.57	0.57	2.33	4.98	9.13

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
17.89	62.90	13.05	6.16

FOLK VALUES :

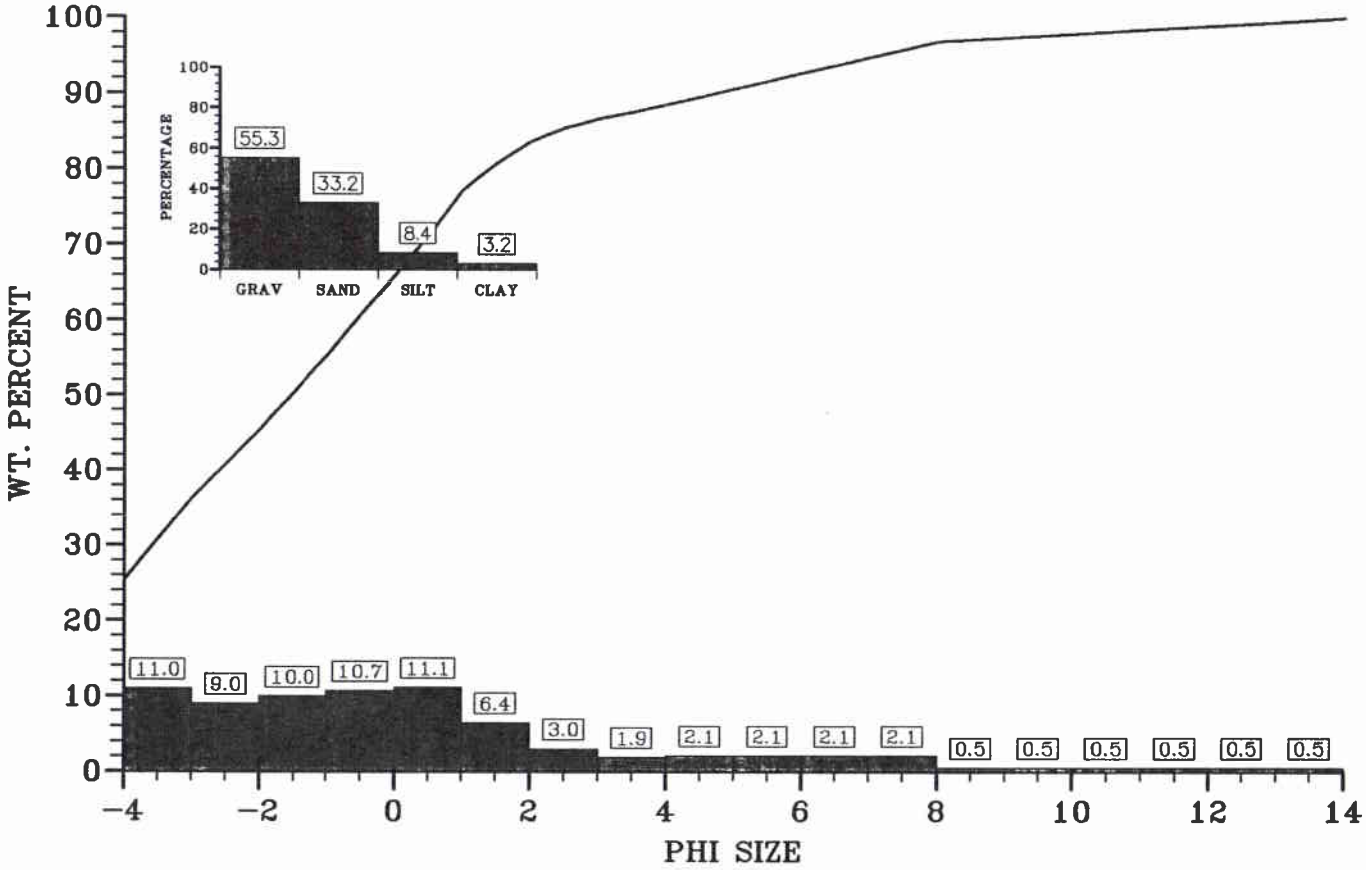
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.45	3.41	0.41	1.75	0.64

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.57	1.90	3.09	0.43	0.78	1.00

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00065



FOLK VALUES
MZ :-1.42
SD : 3.71
SK : 0.19
KG : 1.10
KG1 : 0.52

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153459

Cruise : MAJORICA Station : 00269 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	10.86	25.37	25.37
-3.75	1.17	2.74	28.11
-3.50	1.17	2.74	30.85
-3.25	1.17	2.74	33.59
-3.00	1.17	2.74	36.33
-2.75	0.96	2.25	38.58
-2.50	0.96	2.25	40.83
-2.25	0.96	2.25	43.07
-2.00	0.96	2.25	45.32
-1.75	1.08	2.52	47.84
-1.50	1.08	2.52	50.37
-1.25	1.05	2.45	52.82
-1.00	1.05	2.45	55.27
-0.75	1.17	2.74	58.01
-0.50	1.17	2.74	60.75
-0.25	1.12	2.62	63.36
0.00	1.12	2.62	65.98
0.25	1.12	2.61	68.59
0.50	1.12	2.61	71.20
0.75	1.27	2.96	74.16
1.00	1.27	2.96	77.12
1.25	0.76	1.78	78.89
1.50	0.76	1.78	80.67
1.75	0.62	1.45	82.12
2.00	0.62	1.45	83.57
2.25	0.38	0.89	84.45
2.50	0.38	0.89	85.34
2.75	0.26	0.61	85.95
3.00	0.26	0.61	86.56
3.25	0.19	0.46	87.01
3.50	0.19	0.46	87.47
3.75	0.21	0.49	87.95
4.00	0.21	0.49	88.44
4.50	0.45	1.05	89.49
5.00	0.45	1.05	90.54
5.50	0.45	1.05	91.59
6.00	0.45	1.05	92.64
6.50	0.45	1.05	93.68
7.00	0.45	1.05	94.73
7.50	0.45	1.05	95.78
8.00	0.45	1.05	96.83
9.00	0.23	0.53	97.36
10.00	0.23	0.53	97.89
11.00	0.23	0.53	98.42
12.00	0.23	0.53	98.94
13.00	0.23	0.53	99.47
14.00	0.23	0.53	100.00

Post Analytical Weight : 42.80

Cruise : MAJORICA Station : 00269 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-5.86	-4.85	-4.03	-1.54	0.82	2.12	7.13

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
55.27	33.16	8.39	3.17

FOLK VALUES :

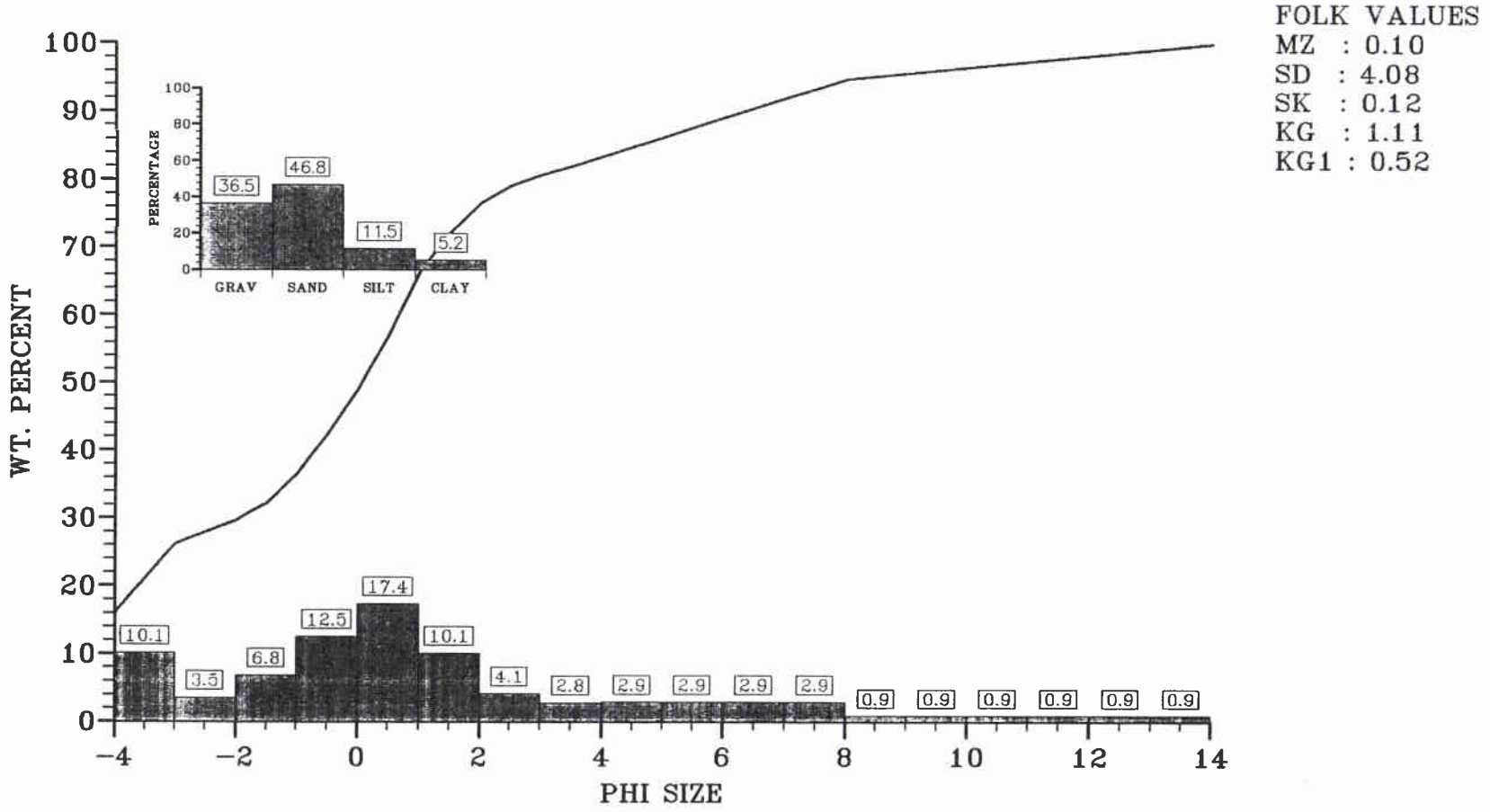
MEAN	ST.DEV	SKEW	KURT	N.KURT
-1.42	3.71	0.19	1.10	0.52

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-1.54	-1.37	3.49	0.05	0.62	0.86

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00070



UNCLASSIFIED User name: TURGUTCAN Date: 16-DEC-1993 Plot Id: P3C16151757

Cruise : MAJORICA Station : 00269 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	6.74	16.05	16.05
-3.75	1.06	2.53	18.58
-3.50	1.06	2.53	21.11
-3.25	1.06	2.53	23.64
-3.00	1.06	2.53	26.17
-2.75	0.37	0.87	27.04
-2.50	0.37	0.87	27.91
-2.25	0.37	0.87	28.79
-2.00	0.37	0.87	29.66
-1.75	0.54	1.28	30.94
-1.50	0.54	1.28	32.22
-1.25	0.89	2.13	34.34
-1.00	0.89	2.13	36.47
-0.75	1.23	2.93	39.40
-0.50	1.23	2.93	42.33
-0.25	1.40	3.33	45.67
0.00	1.40	3.33	49.00
0.25	1.68	3.99	52.99
0.50	1.68	3.99	56.99
0.75	1.97	4.69	61.67
1.00	1.97	4.69	66.36
1.25	1.20	2.84	69.20
1.50	1.20	2.84	72.05
1.75	0.92	2.19	74.24
2.00	0.92	2.19	76.43
2.25	0.54	1.29	77.72
2.50	0.54	1.29	79.00
2.75	0.32	0.77	79.77
3.00	0.32	0.77	80.54
3.25	0.28	0.66	81.21
3.50	0.28	0.66	81.87
3.75	0.30	0.72	82.59
4.00	0.30	0.72	83.31
4.50	0.60	1.43	84.74
5.00	0.60	1.43	86.18
5.50	0.60	1.43	87.61
6.00	0.60	1.43	89.04
6.50	0.60	1.43	90.48
7.00	0.60	1.43	91.91
7.50	0.60	1.43	93.34
8.00	0.60	1.43	94.77
9.00	0.37	0.87	95.64
10.00	0.37	0.87	96.52
11.00	0.37	0.87	97.39
12.00	0.37	0.87	98.26
13.00	0.37	0.87	99.13
14.00	0.37	0.87	100.00

Post Analytical Weight : 42.02

Cruise : MAJORICA Station : 00269 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-5.09	-4.00	-3.12	0.06	1.84	4.24	8.26

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
36.47	46.84	11.46	5.23

FOLK VALUES :

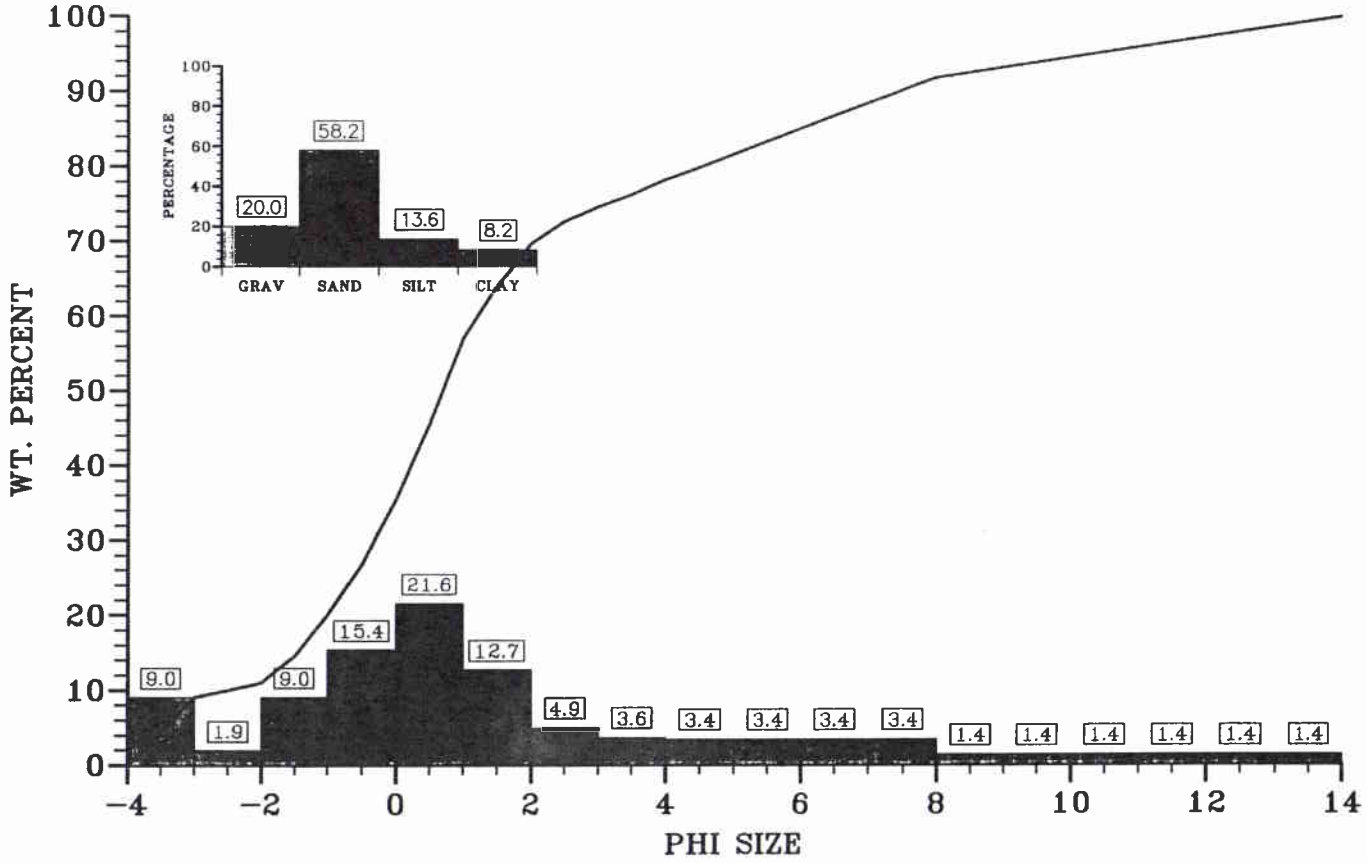
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.10	4.08	0.12	1.11	0.52

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.06	0.12	4.12	0.01	0.37	0.62

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00075



FOLK VALUES
MZ : 1.68
SD : 3.86
SK : 0.41
KG : 1.50
KG1 : 0.60

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105153531

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00269 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.38	2.26	2.26
-3.50	1.38	2.26	4.52
-3.25	1.38	2.26	6.77
-3.00	1.38	2.26	9.03
-2.75	0.29	0.48	9.52
-2.50	0.29	0.48	10.00
-2.25	0.29	0.48	10.48
-2.00	0.29	0.48	10.97
-1.75	1.10	1.80	12.77
-1.50	1.10	1.80	14.57
-1.25	1.66	2.72	17.29
-1.00	1.66	2.72	20.01
-0.75	2.06	3.38	23.39
-0.50	2.06	3.38	26.77
-0.25	2.63	4.30	31.07
0.00	2.63	4.30	35.38
0.25	3.07	5.04	40.42
0.50	3.07	5.04	45.45
0.75	3.50	5.74	51.19
1.00	3.50	5.74	56.93
1.25	2.18	3.57	60.50
1.50	2.18	3.57	64.07
1.75	1.69	2.78	66.84
2.00	1.69	2.78	69.62
2.25	0.91	1.50	71.12
2.50	0.91	1.50	72.61
2.75	0.59	0.97	73.58
3.00	0.59	0.97	74.55
3.25	0.48	0.79	75.34
3.50	0.48	0.79	76.14
3.75	0.62	1.02	77.16
4.00	0.62	1.02	78.18
4.50	1.04	1.71	79.89
5.00	1.04	1.71	81.59
5.50	1.04	1.71	83.30
6.00	1.04	1.71	85.00
6.50	1.04	1.71	86.71
7.00	1.04	1.71	88.41
7.50	1.04	1.71	90.12
8.00	1.04	1.71	91.82
9.00	0.83	1.36	93.19
10.00	0.83	1.36	94.55
11.00	0.83	1.36	95.91
12.00	0.83	1.36	97.27
13.00	0.83	1.36	98.64
14.00	0.83	1.36	100.00

Post Analytical Weight : 60.98

Cruise : MAJORICA Station : 00269 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.45	-1.37	-0.63	0.70	3.14	5.71	10.33

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
20.01	58.17	13.64	8.18

FOLK VALUES :

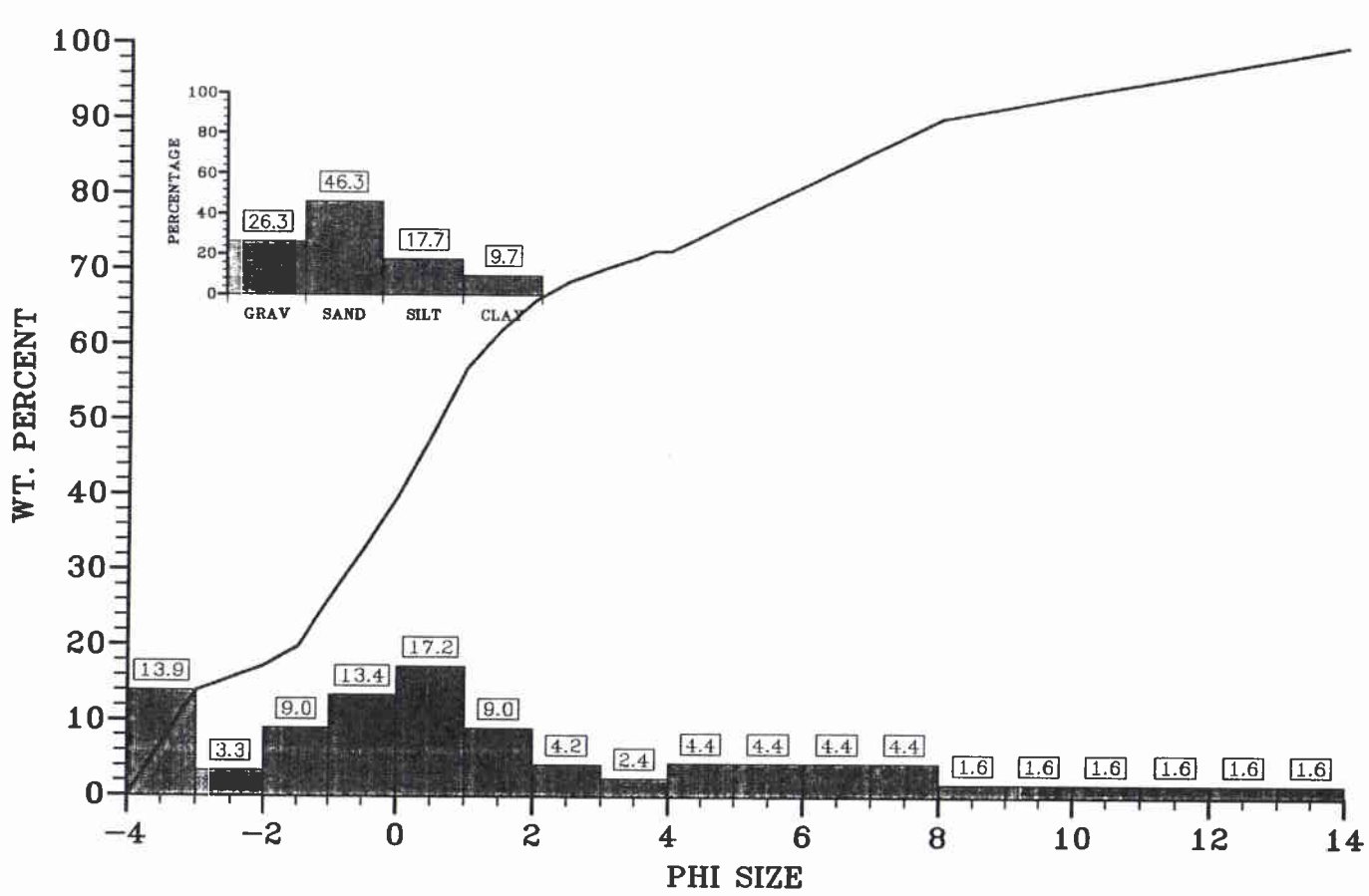
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.68	3.86	0.41	1.50	0.60

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.70	2.17	3.54	0.42	0.78	0.95

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00080



FOLK VALUES
MZ : 1.61
SD : 4.45
SK : 0.37
KG : 1.06
KG1 : 0.51

UNCLASSIFIED User name: TURGUTCAN Date: 16-DEC-1993 Plot Id: P3C16152216

Cruise : MAJORICA Report no. changed (March 2006): SM-28619U Sample : 00080
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.50	3.49	3.49
-3.50	1.50	3.49	6.97
-3.25	1.50	3.49	10.46
-3.00	1.50	3.49	13.94
-2.75	0.36	0.83	14.77
-2.50	0.36	0.83	15.61
-2.25	0.36	0.83	16.44
-2.00	0.36	0.83	17.27
-1.75	0.54	1.26	18.53
-1.50	0.54	1.26	19.78
-1.25	1.39	3.25	23.03
-1.00	1.39	3.25	26.28
-0.75	1.37	3.19	29.47
-0.50	1.37	3.19	32.66
-0.25	1.51	3.53	36.19
0.00	1.51	3.53	39.72
0.25	1.78	4.15	43.87
0.50	1.78	4.15	48.01
0.75	1.91	4.46	52.47
1.00	1.91	4.46	56.93
1.25	1.09	2.53	59.46
1.50	1.09	2.53	61.99
1.75	0.85	1.97	63.96
2.00	0.85	1.97	65.93
2.25	0.55	1.27	67.20
2.50	0.55	1.27	68.47
2.75	0.36	0.83	69.30
3.00	0.36	0.83	70.13
3.25	0.32	0.74	70.87
3.50	0.32	0.74	71.61
3.75	0.39	0.92	72.53
4.00	0.00	0.00	72.53
4.50	0.95	2.22	74.75
5.00	0.95	2.22	76.96
5.50	0.95	2.22	79.18
6.00	0.95	2.22	81.39
6.50	0.95	2.22	83.61
7.00	0.95	2.22	85.83
7.50	0.95	2.22	88.04
8.00	0.95	2.22	90.26
9.00	0.70	1.62	91.88
10.00	0.70	1.62	93.50
11.00	0.70	1.62	95.13
12.00	0.70	1.62	96.75
13.00	0.70	1.62	98.38
14.00	0.70	1.62	100.00

Post Analytical Weight : 42.92

Cruise : MAJORICA Station : 00269 Sample : 00080
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.64	-2.38	-1.10	0.61	4.56	6.59	10.92

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
26.28	46.25	17.73	9.74

FOLK VALUES :

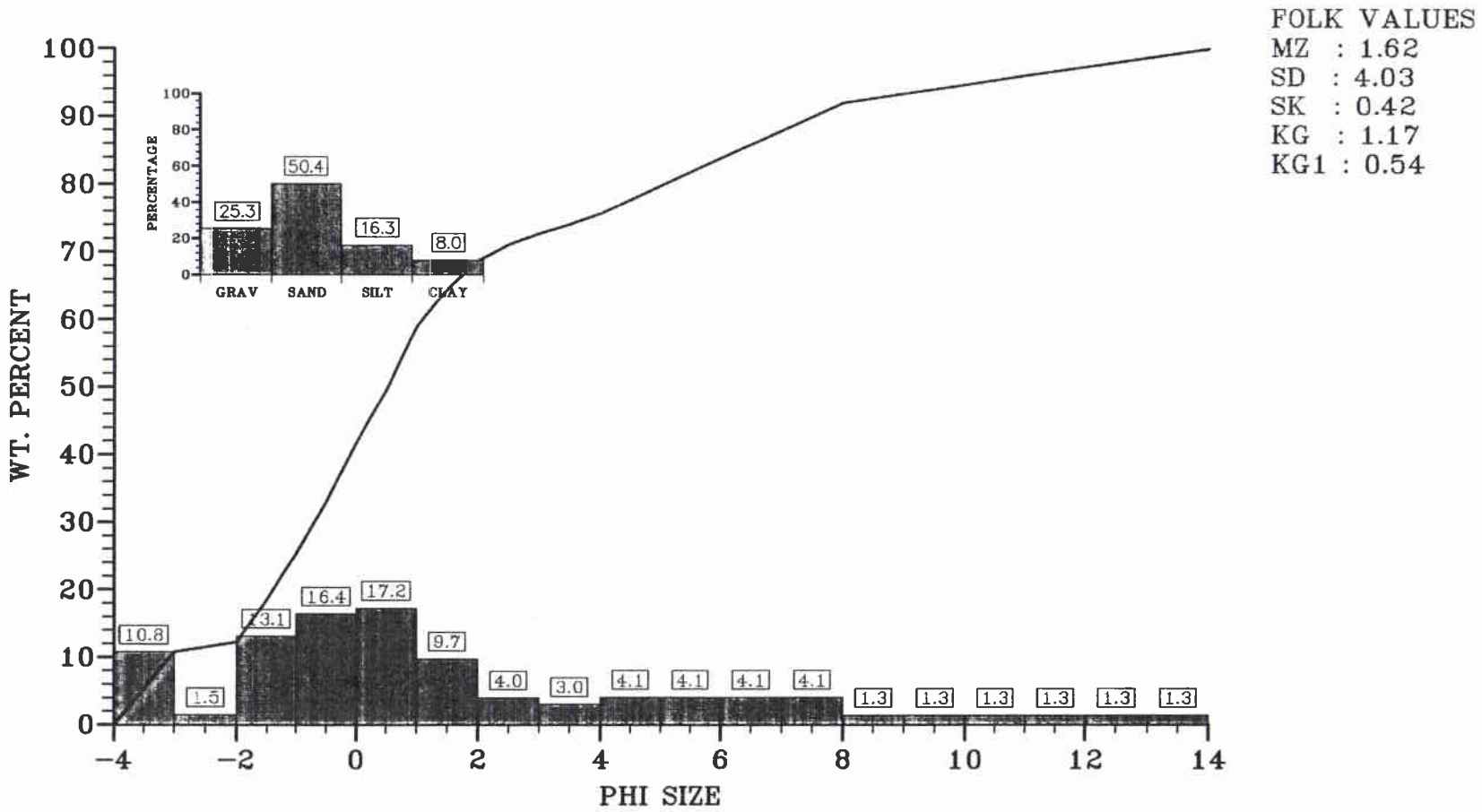
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.61	4.45	0.37	1.06	0.51

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.61	2.10	4.48	0.33	0.68	0.62

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00269 SAMPLE : 00085



UNCLASSIFIED User name: TURGUTCAN Date: 18-JAN-1994 Plot Id: H4118143125

Cruise : MAJORICA Station : 00269 Sample : 00085
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.17	2.69	2.69
-3.50	1.17	2.69	5.38
-3.25	1.17	2.69	8.07
-3.00	1.17	2.69	10.76
-2.75	0.16	0.37	11.13
-2.50	0.16	0.37	11.50
-2.25	0.16	0.37	11.86
-2.00	0.16	0.37	12.23
-1.75	1.38	3.16	15.39
-1.50	1.38	3.16	18.55
-1.25	1.48	3.39	21.94
-1.00	1.48	3.39	25.33
-0.75	1.68	3.86	29.19
-0.50	1.68	3.86	33.06
-0.25	1.89	4.35	37.40
0.00	1.89	4.35	41.75
0.25	1.68	3.87	45.61
0.50	1.68	3.87	49.48
0.75	2.07	4.76	54.24
1.00	2.07	4.76	58.99
1.25	1.22	2.81	61.80
1.50	1.22	2.81	64.61
1.75	0.89	2.05	66.66
2.00	0.89	2.05	68.71
2.25	0.51	1.18	69.89
2.50	0.51	1.18	71.07
2.75	0.35	0.81	71.88
3.00	0.35	0.81	72.69
3.25	0.29	0.67	73.36
3.50	0.29	0.67	74.03
3.75	0.36	0.83	74.86
4.00	0.36	0.83	75.69
4.50	0.89	2.03	77.72
5.00	0.89	2.03	79.75
5.50	0.89	2.03	81.79
6.00	0.89	2.03	83.82
6.50	0.89	2.03	85.85
7.00	0.89	2.03	87.89
7.50	0.89	2.03	89.92
8.00	0.89	2.03	91.96
9.00	0.58	1.34	93.30
10.00	0.58	1.34	94.64
11.00	0.58	1.34	95.98
12.00	0.58	1.34	97.32
13.00	0.58	1.34	98.66
14.00	0.58	1.34	100.00

Post Analytical Weight : 43.56

Cruise : MAJORICA Station : 00269 Sample : 00085
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.54	-1.70	-1.02	0.53	3.79	6.04	10.27

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
25.33	50.36	16.27	8.04

FOLK VALUES :

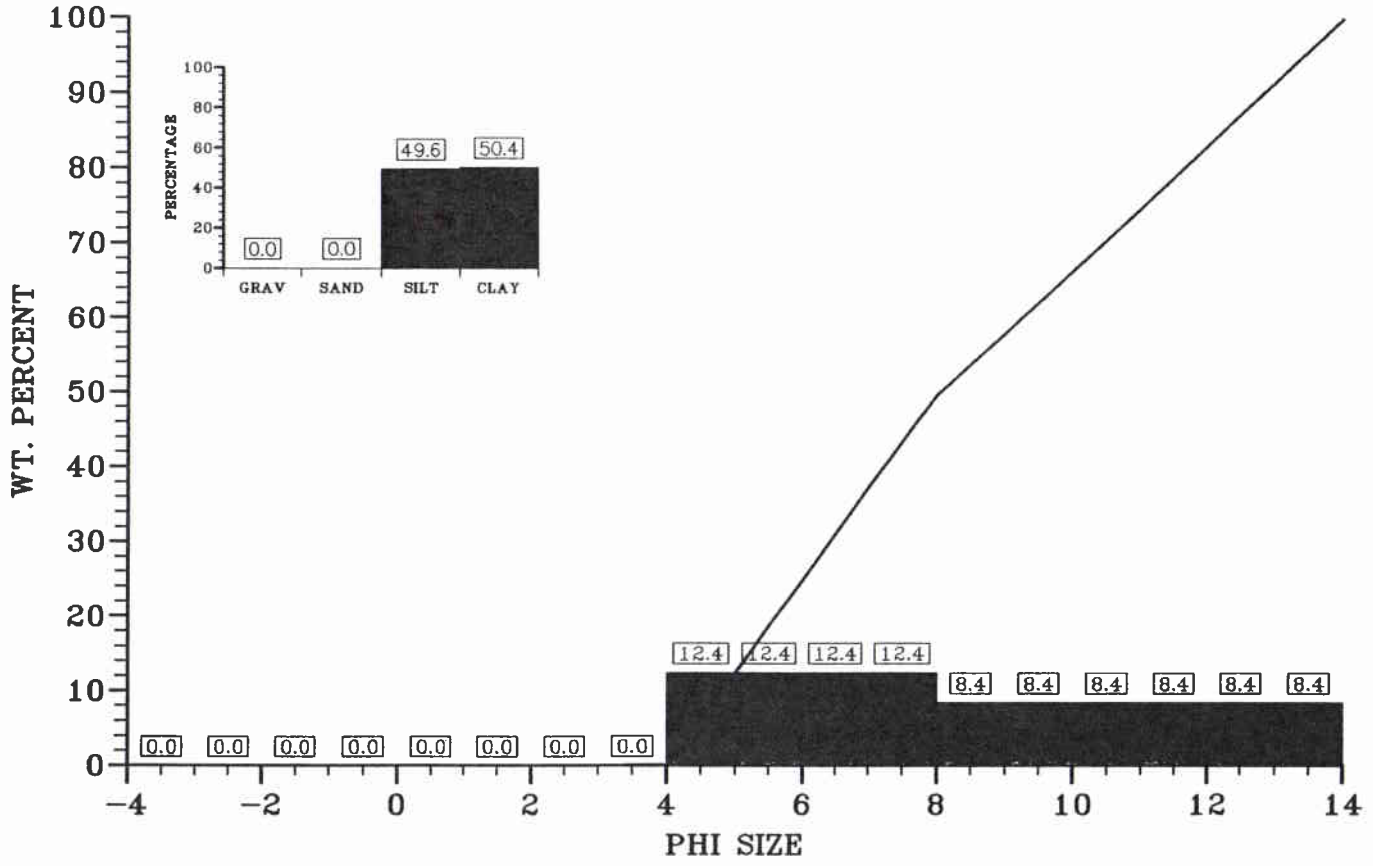
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.62	4.03	0.42	1.17	0.54

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.53	2.17	3.87	0.42	0.73	0.78

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00001



FOLK VALUES
MZ : 8.48
SD : 3.07
SK : 0.19
KG : 0.74
KG1 : 0.42

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105151426

Cruise : MAJORICA Station : 00270 Sample : 00001
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
3.50	0.00	0.04	0.04
3.75	0.00	0.00	0.04
4.00	0.00	0.00	0.04
4.50	0.66	6.20	6.23
5.00	0.66	6.20	12.43
5.50	0.66	6.20	18.63
6.00	0.66	6.20	24.83
6.50	0.66	6.20	31.02
7.00	0.66	6.20	37.22
7.50	0.66	6.20	43.42
8.00	0.66	6.20	49.61
9.00	0.89	8.40	58.01
10.00	0.89	8.40	66.41
11.00	0.89	8.40	74.81
12.00	0.89	8.40	83.20
13.00	0.89	8.40	91.60
14.00	0.89	8.40	100.00

Post Analytical Weight : 10.59

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
4.40	5.29	6.01	8.05	11.02	12.09	13.40

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	0.04	49.57	50.39

FOLK VALUES :

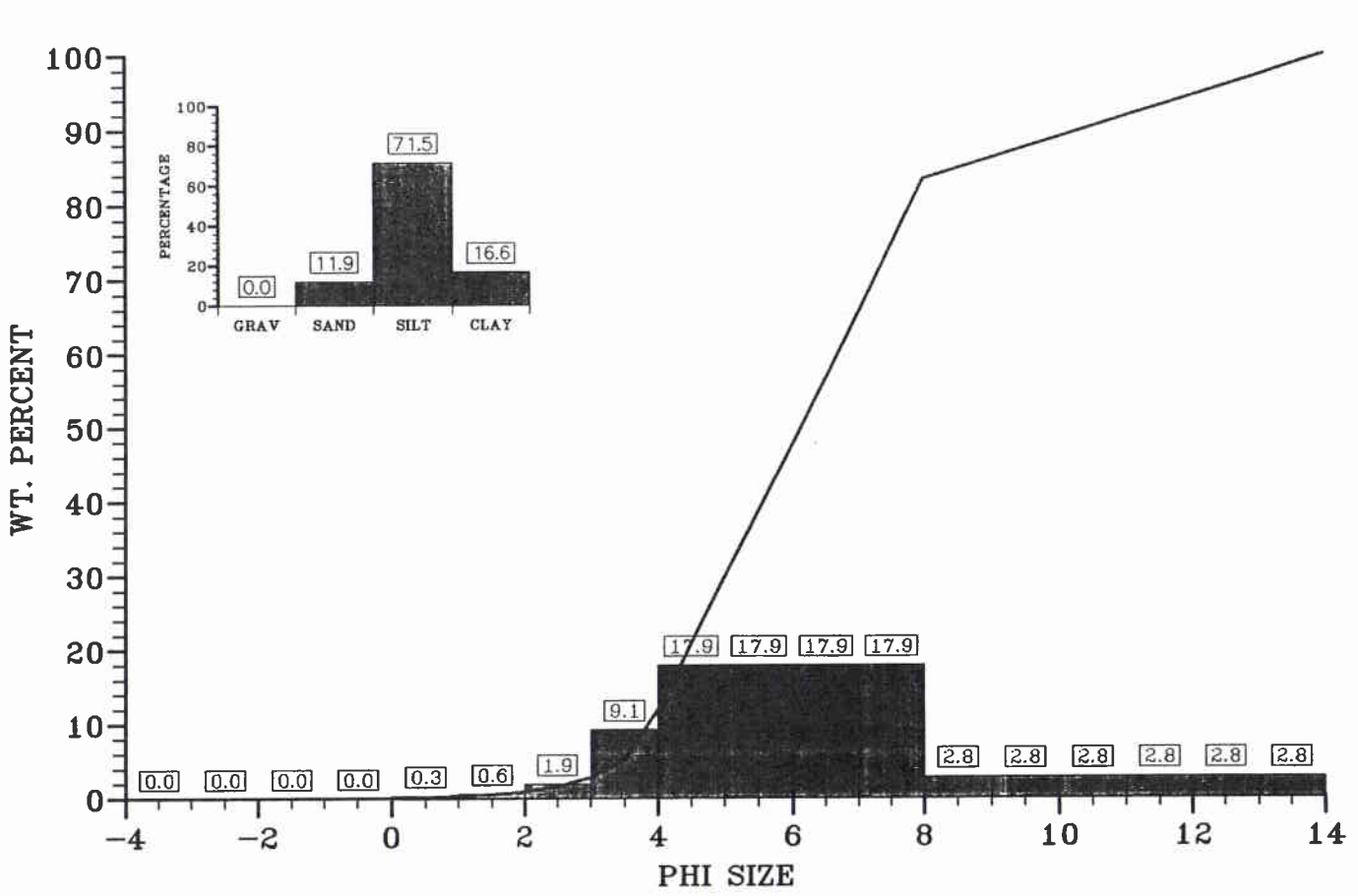
MEAN	ST.DEV	SKEW	KURT	N.KURT
8.48	3.07	0.19	0.74	0.42

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
8.05	8.69	3.40	0.19	0.25	0.32

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00005



FOLK VALUES
MZ : 6.20
SD : 2.32
SK : 0.22
KG : 1.28
KG1 : 0.56

UNCLASSIFIED User name: TURGUTCAN Date: 16-DEC-1993 Plot Id: P3C16152711

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00005
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
0.25	0.02	0.08	0.08
0.50	0.02	0.08	0.15
0.75	0.02	0.08	0.23
1.00	0.02	0.08	0.31
1.25	0.02	0.08	0.39
1.50	0.02	0.08	0.47
1.75	0.06	0.20	0.68
2.00	0.06	0.20	0.88
2.25	0.09	0.33	1.21
2.50	0.09	0.33	1.53
2.75	0.17	0.61	2.14
3.00	0.17	0.61	2.75
3.25	0.35	1.22	3.96
3.50	0.35	1.22	5.18
3.75	0.97	3.36	8.54
4.00	0.97	3.36	11.89
4.50	2.57	8.94	20.83
5.00	2.57	8.94	29.76
5.50	2.57	8.94	38.70
6.00	2.57	8.94	47.64
6.50	2.57	8.94	56.57
7.00	2.57	8.94	65.51
7.50	2.57	8.94	74.44
8.00	2.57	8.94	83.38
9.00	0.80	2.77	86.15
10.00	0.80	2.77	88.92
11.00	0.80	2.77	91.69
12.00	0.80	2.77	94.46
13.00	0.80	2.77	97.23
14.00	0.80	2.77	100.00

Post Analytical Weight : 28.81

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
3.46	4.23	4.73	6.13	7.53	8.22	12.20

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	11.89	71.49	16.62

FOLK VALUES :

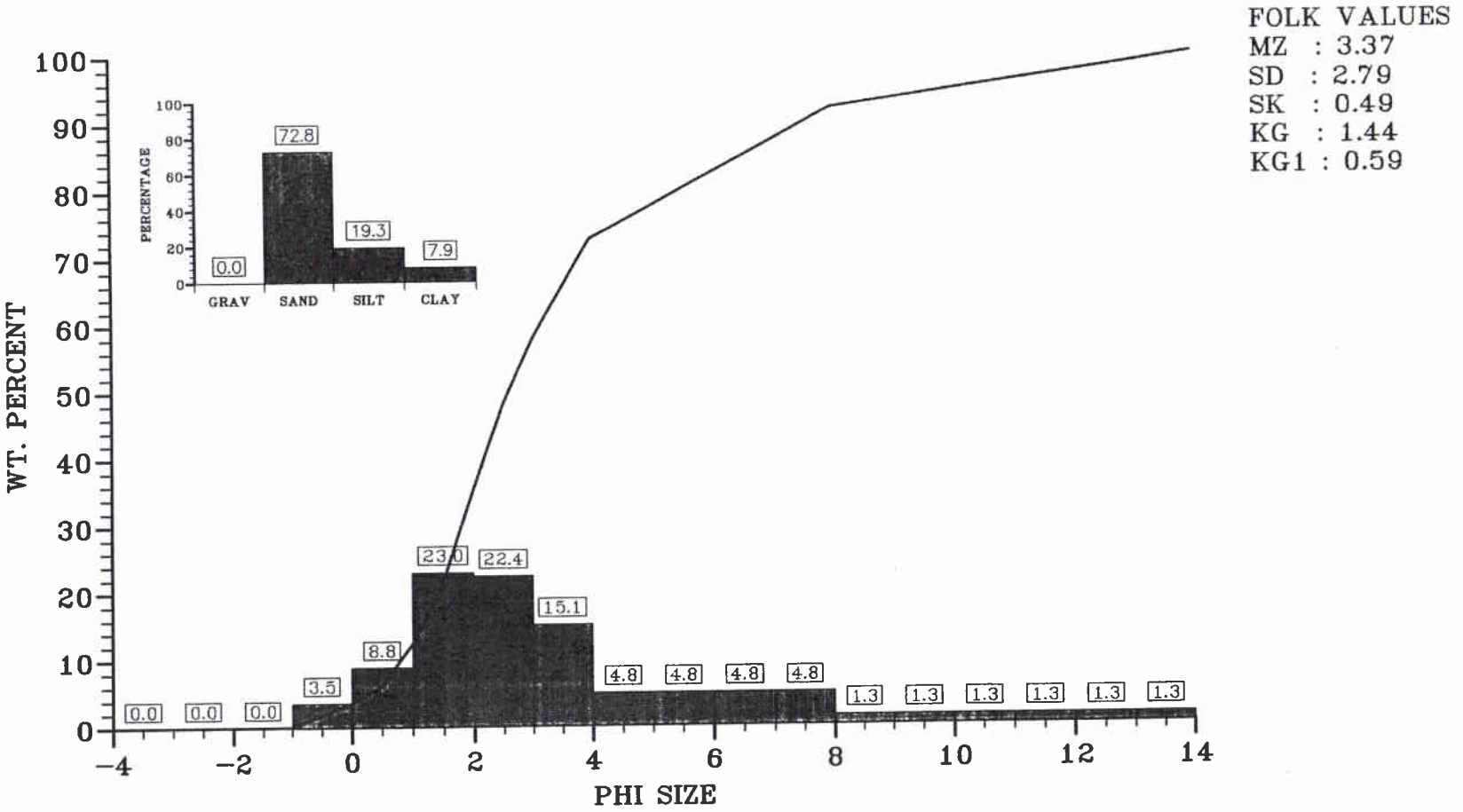
MEAN	ST.DEV	SKEW	KURT	N.KURT
6.20	2.32	0.22	1.28	0.56

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
6.13	6.23	2.00	0.05	0.85	1.19

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00010



UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17100617

Cruise : MAJORICA Station : 00270 Sample : 00010
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-0.75	0.28	0.90	0.90
-0.50	0.28	0.90	1.80
-0.25	0.26	0.87	2.67
0.00	0.26	0.87	3.54
0.25	0.40	1.31	4.85
0.50	0.40	1.31	6.16
0.75	0.94	3.10	9.26
1.00	0.94	3.10	12.36
1.25	1.42	4.66	17.02
1.50	1.42	4.66	21.67
1.75	2.08	6.82	28.49
2.00	2.08	6.82	35.31
2.25	1.94	6.36	41.67
2.50	1.94	6.36	48.04
2.75	1.48	4.84	52.87
3.00	1.48	4.84	57.71
3.25	1.17	3.83	61.54
3.50	1.17	3.83	65.37
3.75	1.13	3.72	69.09
4.00	1.13	3.72	72.81
4.50	0.74	2.41	75.22
5.00	0.74	2.41	77.63
5.50	0.74	2.41	80.04
6.00	0.74	2.41	82.45
6.50	0.74	2.41	84.86
7.00	0.74	2.41	87.27
7.50	0.74	2.41	89.68
8.00	0.74	2.41	92.09
9.00	0.40	1.32	93.41
10.00	0.40	1.32	94.73
11.00	0.40	1.32	96.05
12.00	0.40	1.32	97.36
13.00	0.40	1.32	98.68
14.00	0.40	1.32	100.00

Post Analytical Weight : 30.50

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
0.28	1.20	1.62	2.60	4.45	6.32	10.21

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	72.81	19.28	7.91

FOLK VALUES :

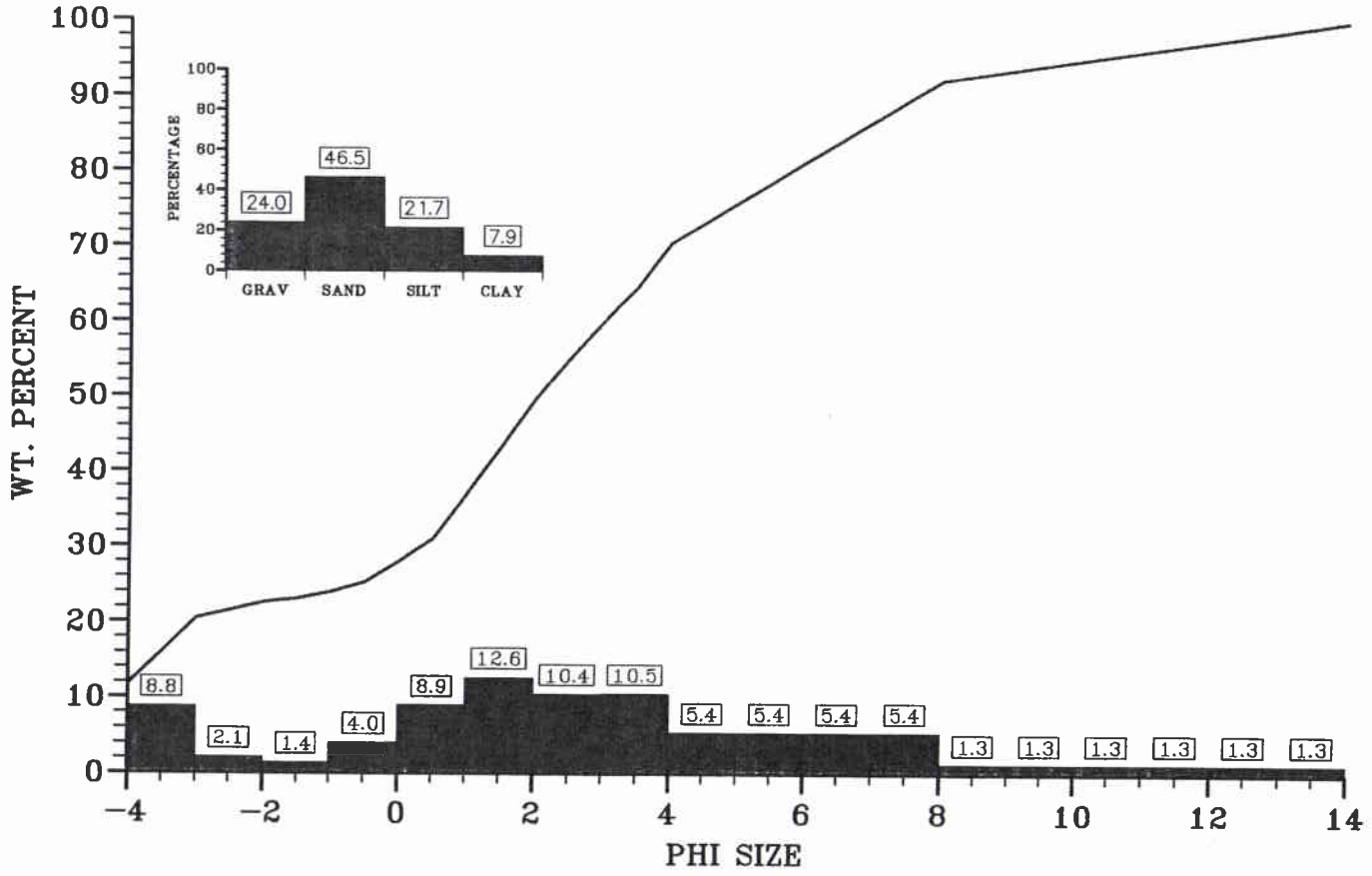
MEAN	ST.DEV	SKEW	KURT	N.KURT
3.37	2.79	0.49	1.44	0.59

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.60	3.76	2.56	0.45	1.03	0.94

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00015



FOLK VALUES
MZ : 1.68
SD : 4.77
SK :−0.01
KG : 1.13
KG1 : 0.53

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105151456

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	4.68	11.70	11.70
-3.75	0.88	2.19	13.89
-3.50	0.88	2.19	16.08
-3.25	0.88	2.19	18.27
-3.00	0.88	2.19	20.46
-2.75	0.21	0.53	20.99
-2.50	0.21	0.53	21.51
-2.25	0.21	0.53	22.04
-2.00	0.21	0.53	22.56
-1.75	0.10	0.26	22.82
-1.50	0.10	0.26	23.08
-1.25	0.17	0.44	23.52
-1.00	0.17	0.44	23.95
-0.75	0.26	0.65	24.61
-0.50	0.26	0.65	25.26
-0.25	0.55	1.37	26.62
0.00	0.55	1.37	27.99
0.25	0.59	1.48	29.47
0.50	0.59	1.48	30.96
0.75	1.19	2.98	33.94
1.00	1.19	2.98	36.92
1.25	1.23	3.08	40.00
1.50	1.23	3.08	43.08
1.75	1.29	3.23	46.31
2.00	1.29	3.23	49.53
2.25	1.10	2.74	52.28
2.50	1.10	2.74	55.02
2.75	0.99	2.47	57.49
3.00	0.99	2.47	59.96
3.25	0.94	2.36	62.32
3.50	0.94	2.36	64.68
3.75	1.15	2.89	67.56
4.00	1.15	2.89	70.45
4.50	1.08	2.71	73.16
5.00	1.08	2.71	75.87
5.50	1.08	2.71	78.59
6.00	1.08	2.71	81.30
6.50	1.08	2.71	84.01
7.00	1.08	2.71	86.72
7.50	1.08	2.71	89.44
8.00	1.08	2.71	92.15
9.00	0.52	1.31	93.46
10.00	0.52	1.31	94.77
11.00	0.52	1.31	96.07
12.00	0.52	1.31	97.38
13.00	0.52	1.31	98.69
14.00	0.52	1.31	100.00

Post Analytical Weight : 39.96

Cruise : MAJORICA Station : 00270 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.77	-3.51	-0.60	2.04	4.84	6.50	10.18

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
23.95	46.49	21.70	7.85

FOLK VALUES :

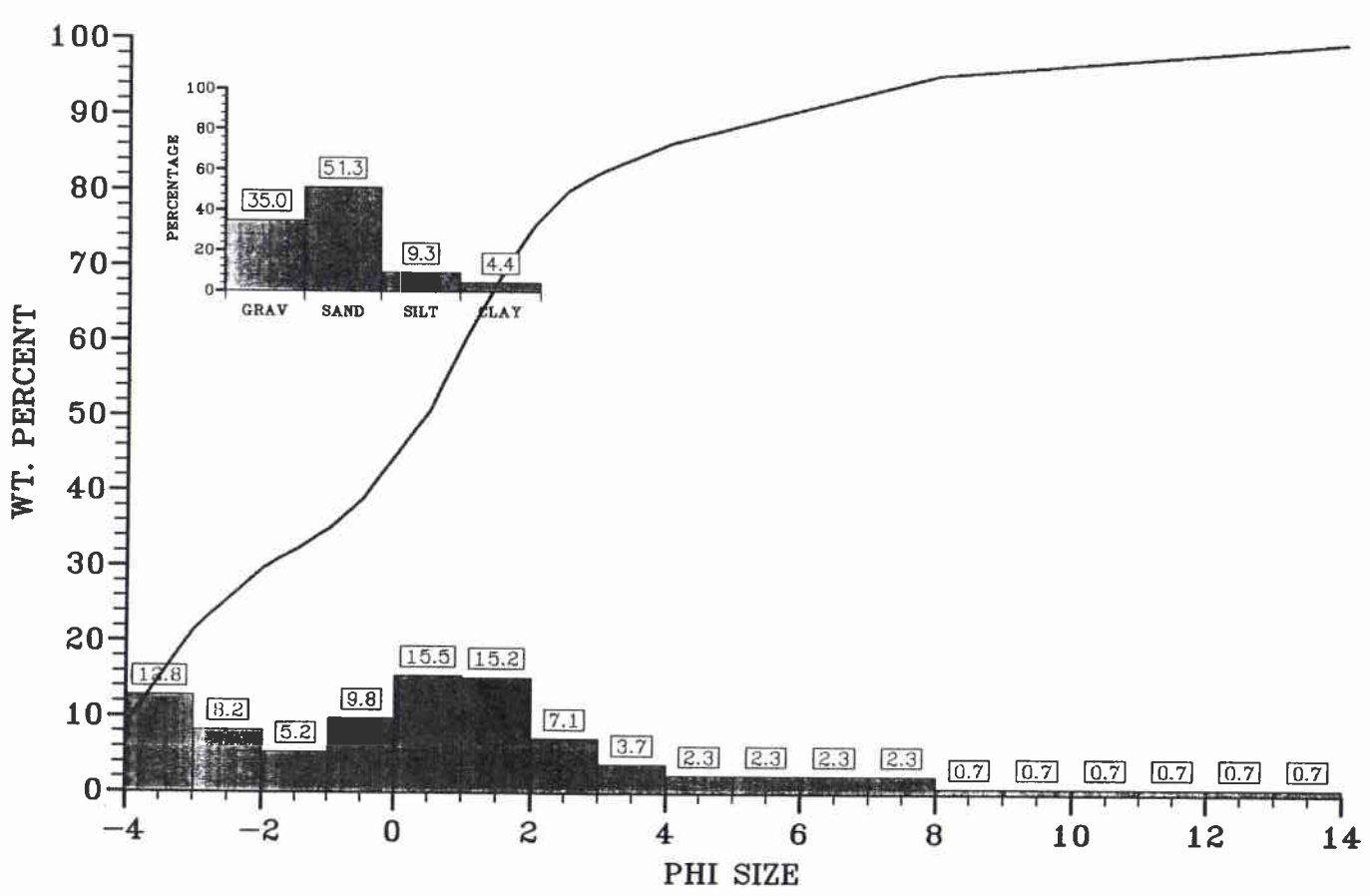
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.68	4.77	-0.01	1.13	0.53

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.04	1.49	5.00	-0.11	0.13	0.49

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00020



FOLK VALUES
MZ : 0.13
SD : 3.54
SK : 0.04
KG : 1.09
KG1 : 0.52

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17145955

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	3.77	8.81	8.81
-3.75	1.37	3.19	12.00
-3.50	1.37	3.19	15.19
-3.25	1.37	3.19	18.38
-3.00	1.37	3.19	21.57
-2.75	0.88	2.05	23.61
-2.50	0.88	2.05	25.66
-2.25	0.88	2.05	27.70
-2.00	0.88	2.05	29.75
-1.75	0.54	1.25	31.00
-1.50	0.54	1.25	32.25
-1.25	0.59	1.37	33.62
-1.00	0.59	1.37	35.00
-0.75	0.84	1.97	36.97
-0.50	0.84	1.97	38.93
-0.25	1.25	2.91	41.84
0.00	1.25	2.91	44.75
0.25	1.28	2.98	47.74
0.50	1.28	2.98	50.72
0.75	2.03	4.74	55.47
1.00	2.03	4.74	60.21
1.25	1.73	4.04	64.25
1.50	1.73	4.04	68.30
1.75	1.52	3.56	71.86
2.00	1.52	3.56	75.43
2.25	0.98	2.29	77.72
2.50	0.98	2.29	80.01
2.75	0.55	1.27	81.28
3.00	0.55	1.27	82.56
3.25	0.39	0.91	83.47
3.50	0.39	0.91	84.38
3.75	0.41	0.95	85.33
4.00	0.41	0.95	86.28
4.50	0.50	1.16	87.44
5.00	0.50	1.16	88.60
5.50	0.50	1.16	89.76
6.00	0.50	1.16	90.92
6.50	0.50	1.16	92.08
7.00	0.50	1.16	93.24
7.50	0.50	1.16	94.40
8.00	0.50	1.16	95.55
9.00	0.32	0.74	96.30
10.00	0.32	0.74	97.04
11.00	0.32	0.74	97.78
12.00	0.32	0.74	98.52
13.00	0.32	0.74	99.26
14.00	0.32	0.74	100.00

Post Analytical Weight : 42.79

Cruise : MAJORICA Station : 00270 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.30	-3.44	-2.58	0.44	1.97	3.40	7.76

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
35.00	51.28	9.27	4.45

FOLK VALUES :

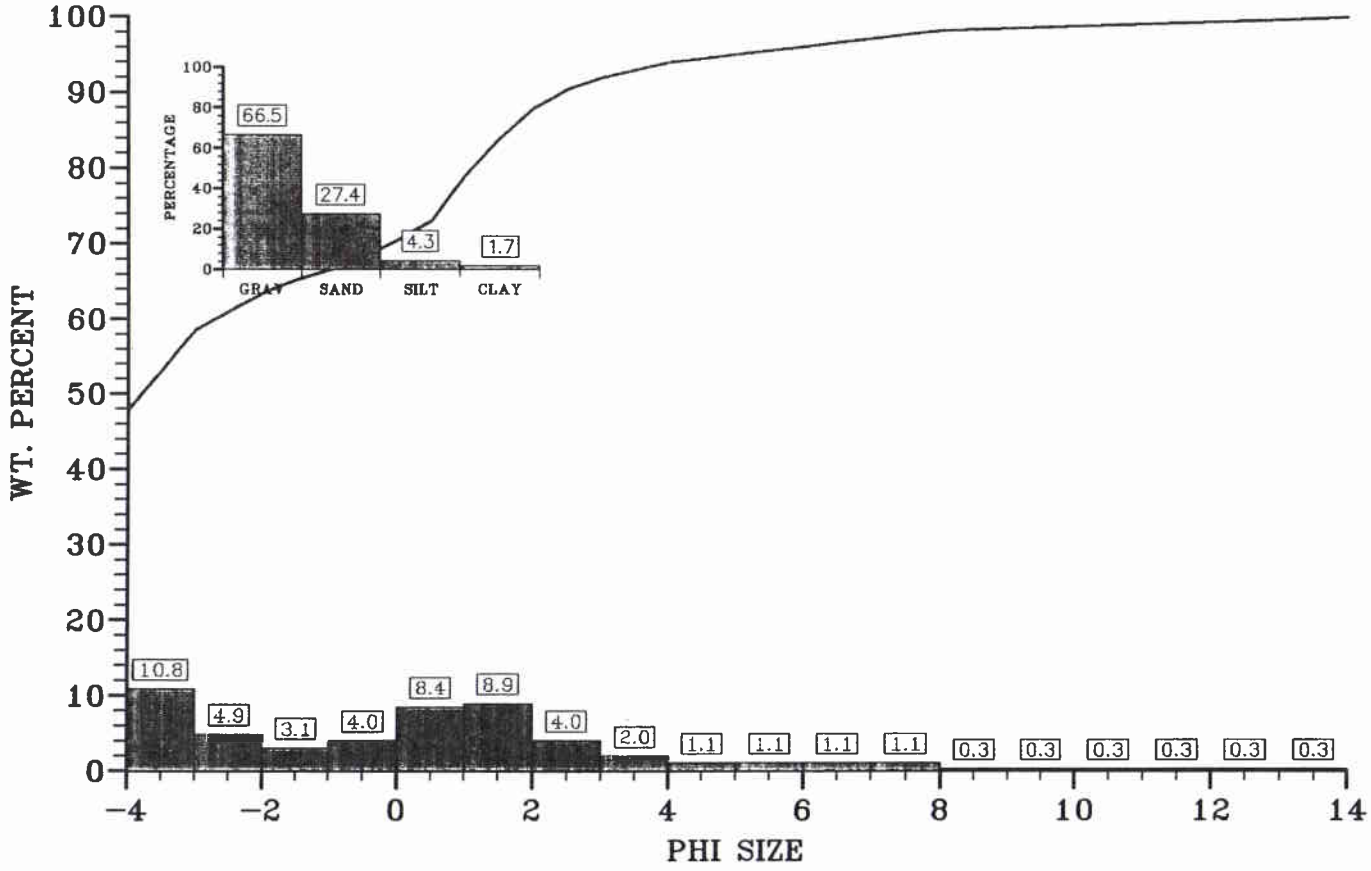
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.13	3.54	0.04	1.09	0.52

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.44	-0.02	3.42	-0.13	0.38	0.76

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00025



FOLK VALUES
MZ :-3.07
SD : 4.07
SK : 0.31
KG : 0.78
KG1 : 0.44

UNCLASSIFIED User name: TURGUTCAN Date: 18-JAN-1994 Plot Id: H4118143315

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	25.62	47.77	47.77
-3.75	1.45	2.71	50.48
-3.50	1.45	2.71	53.18
-3.25	1.45	2.71	55.89
-3.00	1.45	2.71	58.60
-2.75	0.65	1.21	59.82
-2.50	0.65	1.21	61.03
-2.25	0.65	1.21	62.24
-2.00	0.65	1.21	63.46
-1.75	0.47	0.88	64.34
-1.50	0.47	0.88	65.22
-1.25	0.34	0.64	65.87
-1.00	0.34	0.64	66.51
-0.75	0.45	0.84	67.34
-0.50	0.45	0.84	68.18
-0.25	0.63	1.18	69.36
0.00	0.63	1.18	70.53
0.25	0.68	1.28	71.81
0.50	0.68	1.28	73.08
0.75	1.58	2.94	76.03
1.00	1.58	2.94	78.97
1.25	1.30	2.42	81.39
1.50	1.30	2.42	83.81
1.75	1.09	2.04	85.85
2.00	1.09	2.04	87.88
2.25	0.68	1.26	89.14
2.50	0.68	1.26	90.40
2.75	0.41	0.76	91.16
3.00	0.41	0.76	91.92
3.25	0.28	0.51	92.43
3.50	0.28	0.51	92.94
3.75	0.26	0.49	93.44
4.00	0.26	0.49	93.93
4.50	0.29	0.54	94.47
5.00	0.29	0.54	95.01
5.50	0.29	0.54	95.55
6.00	0.29	0.54	96.09
6.50	0.29	0.54	96.63
7.00	0.29	0.54	97.17
7.50	0.29	0.54	97.71
8.00	0.29	0.54	98.25
9.00	0.16	0.29	98.55
10.00	0.16	0.29	98.84
11.00	0.16	0.29	99.13
12.00	0.16	0.29	99.42
13.00	0.16	0.29	99.71
14.00	0.16	0.29	100.00

Post Analytical Weight : 53.63

Cruise : MAJORICA Station : 00270 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-7.95	-6.93	-6.10	-3.79	0.66	1.52	4.99

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
66.51	27.42	4.33	1.75

FOLK VALUES :

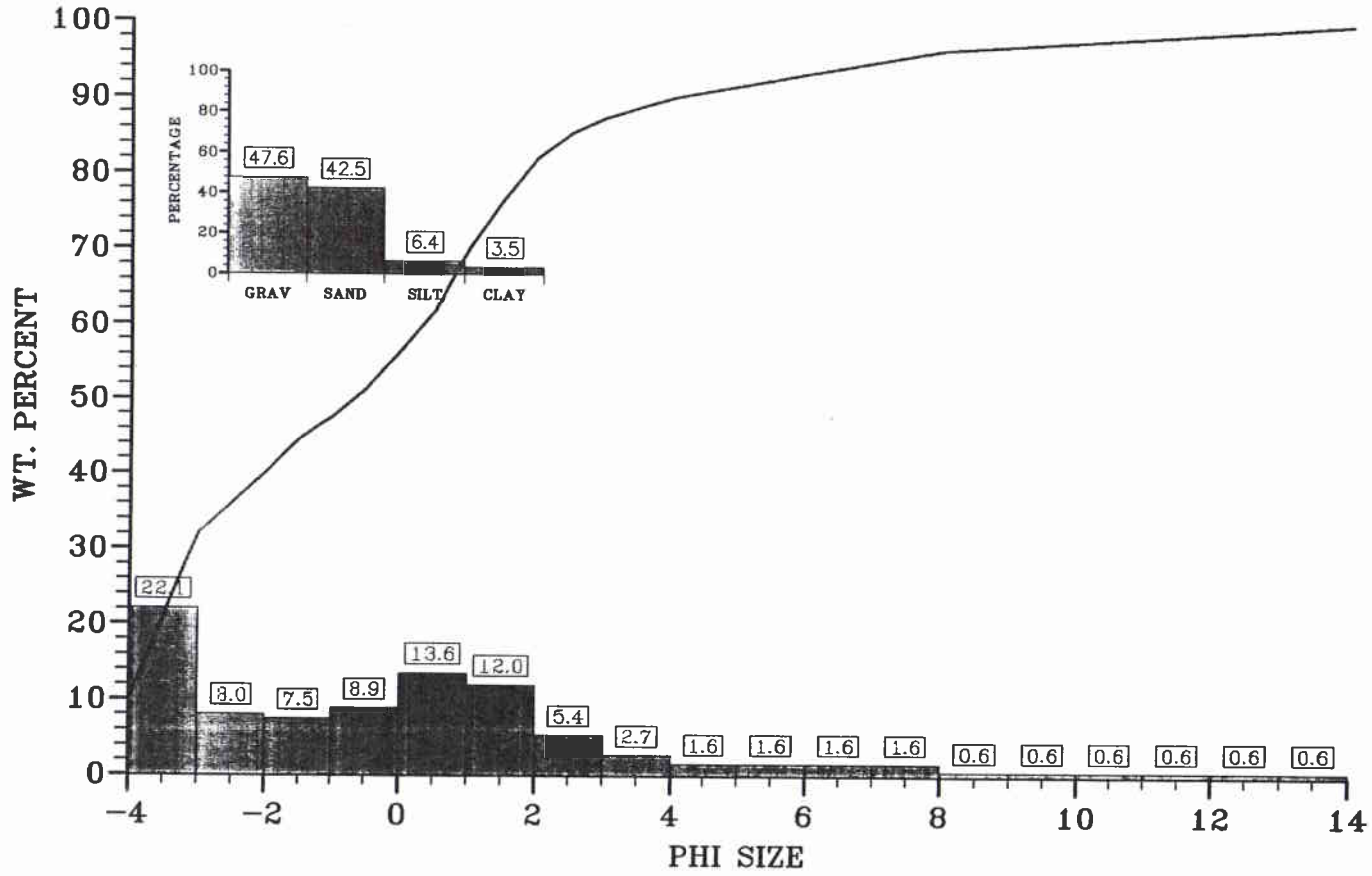
MEAN	ST.DEV	SKEW	KURT	N.KURT
-3.07	4.07	0.31	0.78	0.44

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-3.79	-2.70	4.23	0.26	0.55	0.53

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00030



FOLK VALUES
MZ :-0.70
SD : 3.22
SK : 0.18
KG : 0.99
KG1 : 0.50

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17145910

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	4.24	10.06	10.06
-3.75	2.32	5.52	15.58
-3.50	2.32	5.52	21.10
-3.25	2.32	5.52	26.61
-3.00	2.32	5.52	32.13
-2.75	0.85	2.01	34.14
-2.50	0.85	2.01	36.15
-2.25	0.85	2.01	38.16
-2.00	0.85	2.01	40.16
-1.75	0.97	2.30	42.46
-1.50	0.97	2.30	44.76
-1.25	0.60	1.43	46.19
-1.00	0.60	1.43	47.62
-0.75	0.79	1.86	49.48
-0.50	0.79	1.86	51.35
-0.25	1.09	2.58	53.93
0.00	1.09	2.58	56.50
0.25	1.12	2.66	59.17
0.50	1.12	2.66	61.83
0.75	1.73	4.11	65.94
1.00	1.73	4.11	70.06
1.25	1.37	3.24	73.30
1.50	1.37	3.24	76.54
1.75	1.15	2.74	79.28
2.00	1.15	2.74	82.01
2.25	0.70	1.67	83.69
2.50	0.70	1.67	85.36
2.75	0.42	1.00	86.36
3.00	0.42	1.00	87.37
3.25	0.29	0.70	88.06
3.50	0.29	0.70	88.76
3.75	0.28	0.66	89.42
4.00	0.28	0.66	90.08
4.50	0.34	0.80	90.88
5.00	0.34	0.80	91.68
5.50	0.34	0.80	92.47
6.00	0.34	0.80	93.27
6.50	0.34	0.80	94.07
7.00	0.34	0.80	94.87
7.50	0.34	0.80	95.67
8.00	0.34	0.80	96.47
9.00	0.25	0.59	97.05
10.00	0.25	0.59	97.64
11.00	0.25	0.59	98.23
12.00	0.25	0.59	98.82
13.00	0.25	0.59	99.41
14.00	0.25	0.59	100.00

Post Analytical Weight : 42.10

Cruise : MAJORICA Station : 00270 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.23	-3.73	-3.32	-0.68	1.38	2.30	7.08

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
47.62	42.46	6.38	3.53

FOLK VALUES :

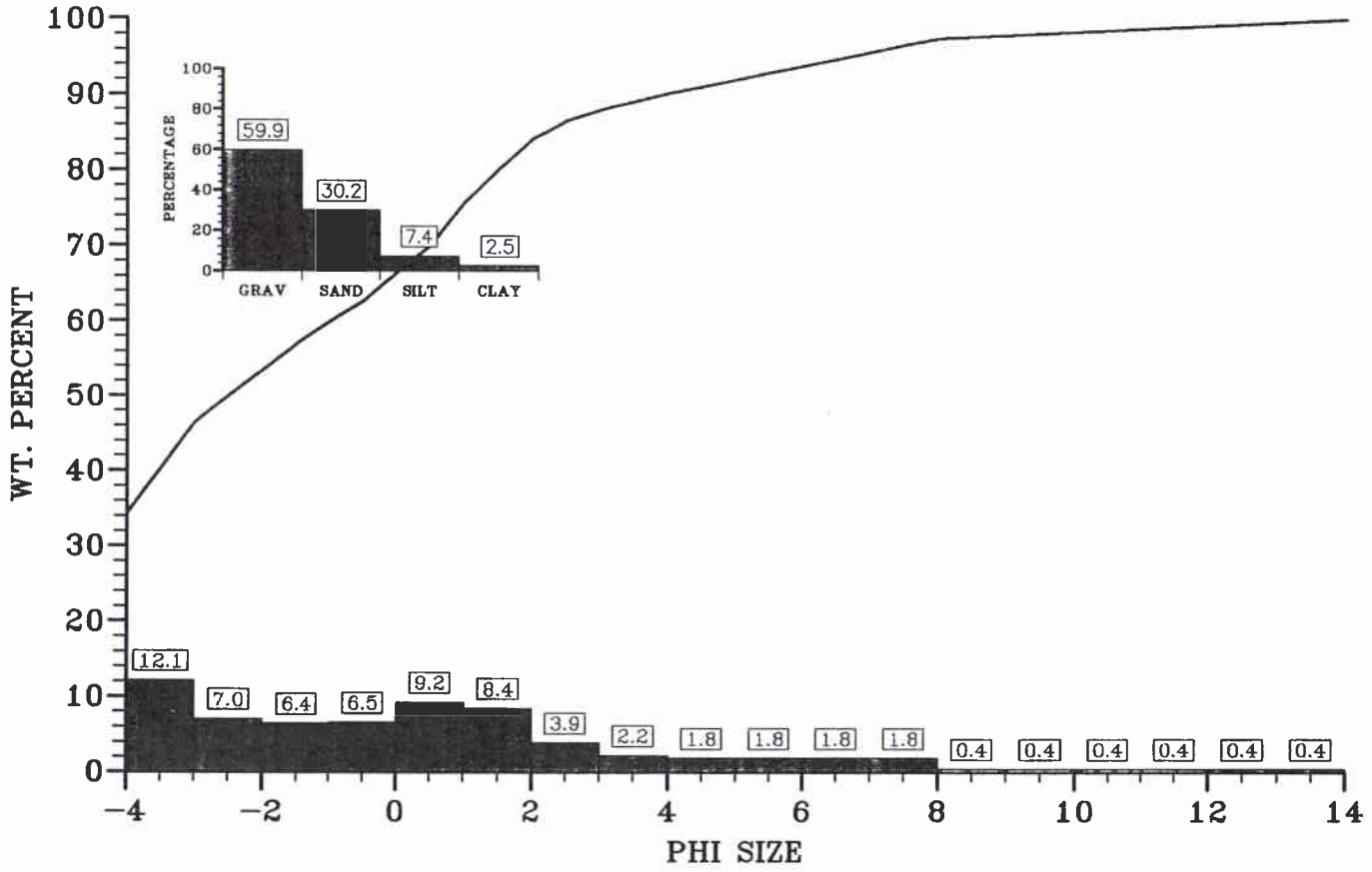
MEAN	ST.DEV	SKEW	KURT	N.KURT
-0.70	3.22	0.18	0.99	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-0.68	-0.72	3.01	-0.01	0.70	0.88

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00035



FOLK VALUES
MZ :−2.00
SD : 3.86
SK : 0.30
KG : 0.94
KG1 : 0.48

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105160357

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	14.89	34.31	34.31
-3.75	1.32	3.04	37.34
-3.50	1.32	3.04	40.38
-3.25	1.32	3.04	43.42
-3.00	1.32	3.04	46.46
-2.75	0.76	1.76	48.21
-2.50	0.76	1.76	49.97
-2.25	0.76	1.76	51.72
-2.00	0.76	1.76	53.48
-1.75	0.76	1.76	55.24
-1.50	0.76	1.76	57.01
-1.25	0.62	1.44	58.44
-1.00	0.62	1.44	59.88
-0.75	0.60	1.39	61.27
-0.50	0.60	1.39	62.66
-0.25	0.82	1.88	64.54
0.00	0.82	1.88	66.42
0.25	0.76	1.76	68.18
0.50	0.76	1.76	69.93
0.75	1.24	2.85	72.78
1.00	1.24	2.85	75.63
1.25	0.96	2.21	77.84
1.50	0.96	2.21	80.05
1.75	0.86	1.99	82.04
2.00	0.86	1.99	84.03
2.25	0.53	1.21	85.24
2.50	0.53	1.21	86.46
2.75	0.31	0.73	87.18
3.00	0.31	0.73	87.91
3.25	0.23	0.54	88.45
3.50	0.23	0.54	88.99
3.75	0.24	0.56	89.54
4.00	0.24	0.56	90.10
4.50	0.40	0.92	91.02
5.00	0.40	0.92	91.94
5.50	0.40	0.92	92.86
6.00	0.40	0.92	93.78
6.50	0.40	0.92	94.70
7.00	0.40	0.92	95.62
7.50	0.40	0.92	96.54
8.00	0.40	0.92	97.46
9.00	0.18	0.42	97.88
10.00	0.18	0.42	98.30
11.00	0.18	0.42	98.73
12.00	0.18	0.42	99.15
13.00	0.18	0.42	99.58
14.00	0.18	0.42	100.00

Post Analytical Weight : 43.40

Cruise : MAJORICA Station : 00270 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-6.41	-5.51	-4.77	-2.50	0.94	2.00	6.66

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
59.88	30.22	7.36	2.54

FOLK VALUES :

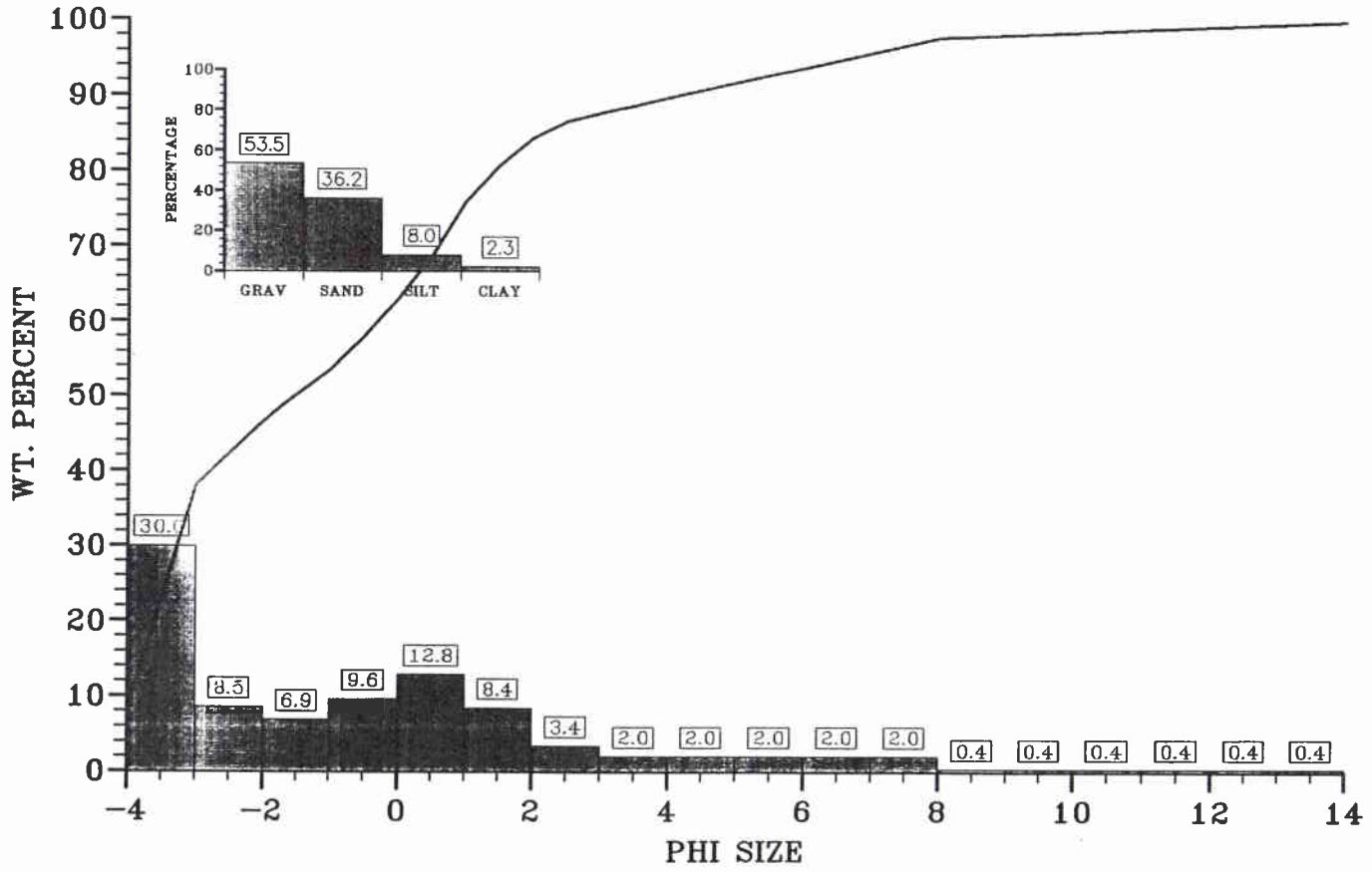
MEAN	ST.DEV	SKEW	KURT	N.KURT
-2.00	3.86	0.30	0.94	0.48

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-2.50	-1.76	3.75	0.20	0.70	0.74

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00040



FOLK VALUES
MZ :-1.11
SD : 3.05
SK : 0.37
KG : 1.01
KG1 : 0.50

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17145747

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	2.91	8.14	8.14
-3.75	2.67	7.49	15.63
-3.50	2.67	7.49	23.12
-3.25	2.67	7.49	30.61
-3.00	2.67	7.49	38.11
-2.75	0.76	2.13	40.23
-2.50	0.76	2.13	42.36
-2.25	0.76	2.13	44.49
-2.00	0.76	2.13	46.62
-1.75	0.65	1.82	48.44
-1.50	0.65	1.82	50.26
-1.25	0.57	1.61	51.87
-1.00	0.57	1.61	53.48
-0.75	0.81	2.27	55.75
-0.50	0.81	2.27	58.02
-0.25	0.91	2.54	60.56
0.00	0.91	2.54	63.09
0.25	1.01	2.82	65.92
0.50	1.01	2.82	68.74
0.75	1.28	3.60	72.34
1.00	1.28	3.60	75.94
1.25	0.84	2.35	78.29
1.50	0.84	2.35	80.64
1.75	0.66	1.84	82.48
2.00	0.66	1.84	84.32
2.25	0.39	1.09	85.41
2.50	0.39	1.09	86.50
2.75	0.22	0.60	87.10
3.00	0.22	0.60	87.70
3.25	0.17	0.46	88.16
3.50	0.17	0.46	88.62
3.75	0.19	0.53	89.16
4.00	0.19	0.53	89.69
4.50	0.36	1.00	90.70
5.00	0.36	1.00	91.70
5.50	0.36	1.00	92.70
6.00	0.36	1.00	93.70
6.50	0.36	1.00	94.71
7.00	0.36	1.00	95.71
7.50	0.36	1.00	96.71
8.00	0.36	1.00	97.71
9.00	0.14	0.38	98.10
10.00	0.14	0.38	98.48
11.00	0.14	0.38	98.86
12.00	0.14	0.38	99.24
13.00	0.14	0.38	99.62
14.00	0.14	0.38	100.00

Post Analytical Weight : 35.71

Cruise : MAJORICA Station : 00270 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.10	-3.74	-3.44	-1.54	0.93	1.96	6.65

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
53.48	36.21	8.02	2.29

FOLK VALUES :

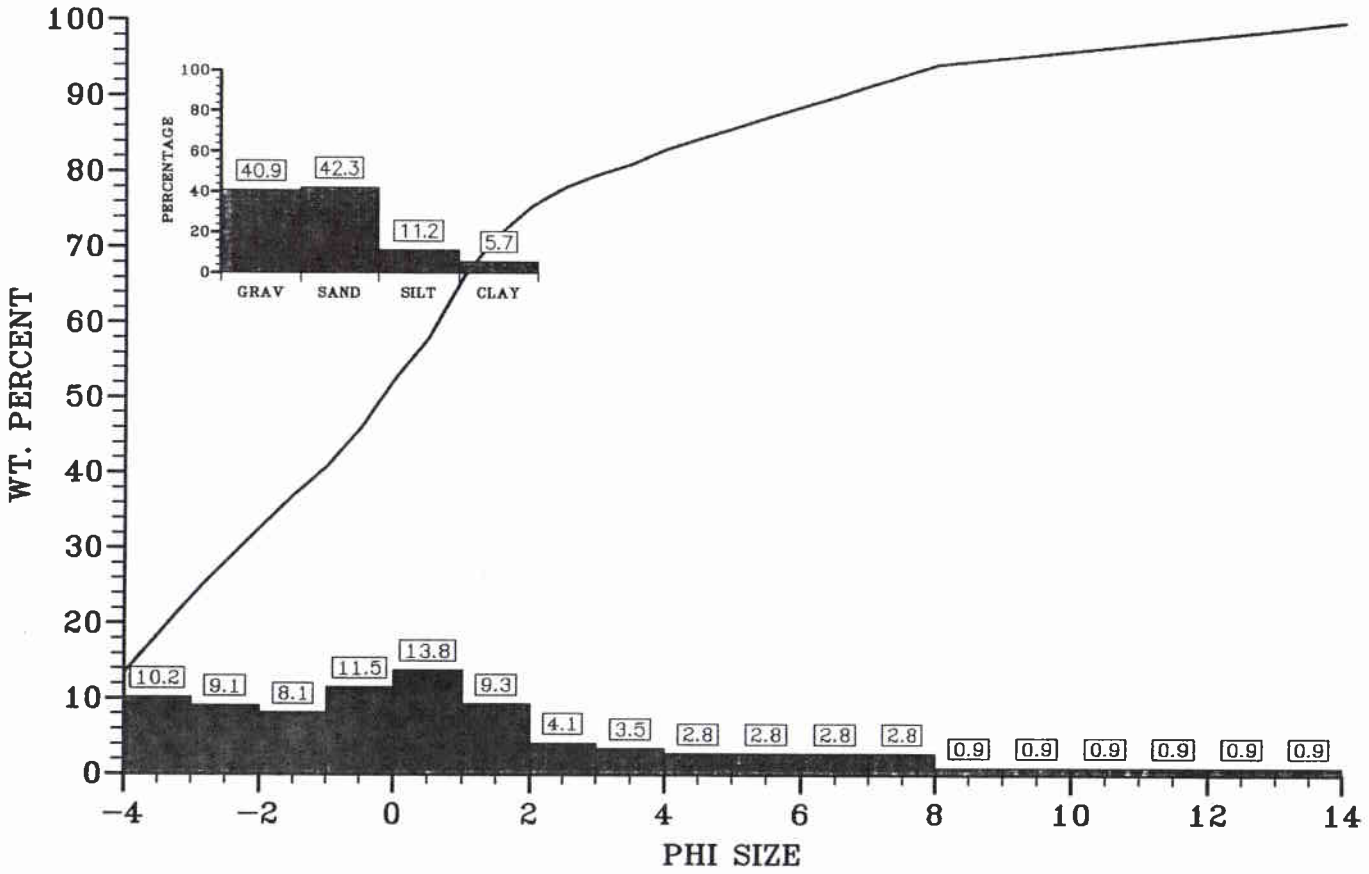
MEAN	ST.DEV	SKEW	KURT	N.KURT
-1.11	3.05	0.37	1.01	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-1.54	-0.89	2.85	0.23	0.99	0.89

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00045



FOLK VALUES
MZ : 0.12
SD : 4.06
SK : 0.21
KG : 1.16
KG1 : 0.54

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105151620

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	6.46	13.42	13.42
-3.75	1.23	2.55	15.97
-3.50	1.23	2.55	18.51
-3.25	1.23	2.55	21.06
-3.00	1.23	2.55	23.61
-2.75	1.10	2.28	25.89
-2.50	1.10	2.28	28.17
-2.25	1.10	2.28	30.45
-2.00	1.10	2.28	32.73
-1.75	1.07	2.22	34.95
-1.50	1.07	2.22	37.16
-1.25	0.89	1.85	39.01
-1.00	0.89	1.85	40.87
-0.75	1.21	2.52	43.38
-0.50	1.21	2.52	45.90
-0.25	1.57	3.26	49.16
0.00	1.57	3.26	52.42
0.25	1.36	2.81	55.23
0.50	1.36	2.81	58.04
0.75	1.97	4.10	62.14
1.00	1.97	4.10	66.24
1.25	1.29	2.68	68.92
1.50	1.29	2.68	71.60
1.75	0.95	1.96	73.57
2.00	0.95	1.96	75.53
2.25	0.58	1.22	76.75
2.50	0.58	1.22	77.96
2.75	0.41	0.86	78.82
3.00	0.41	0.86	79.68
3.25	0.36	0.75	80.43
3.50	0.36	0.75	81.18
3.75	0.47	0.98	82.16
4.00	0.47	0.98	83.14
4.50	0.67	1.40	84.54
5.00	0.67	1.40	85.94
5.50	0.67	1.40	87.34
6.00	0.67	1.40	88.74
6.50	0.67	1.40	90.14
7.00	0.67	1.40	91.54
7.50	0.67	1.40	92.94
8.00	0.67	1.40	94.34
9.00	0.45	0.94	95.29
10.00	0.45	0.94	96.23
11.00	0.45	0.94	97.17
12.00	0.45	0.94	98.11
13.00	0.45	0.94	99.06
14.00	0.45	0.94	100.00

Post Analytical Weight : 48.15

Cruise : MAJORICA Station : 00270 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.83	-3.75	-2.85	-0.19	1.93	4.31	8.70

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
40.87	42.28	11.20	5.66

FOLK VALUES :

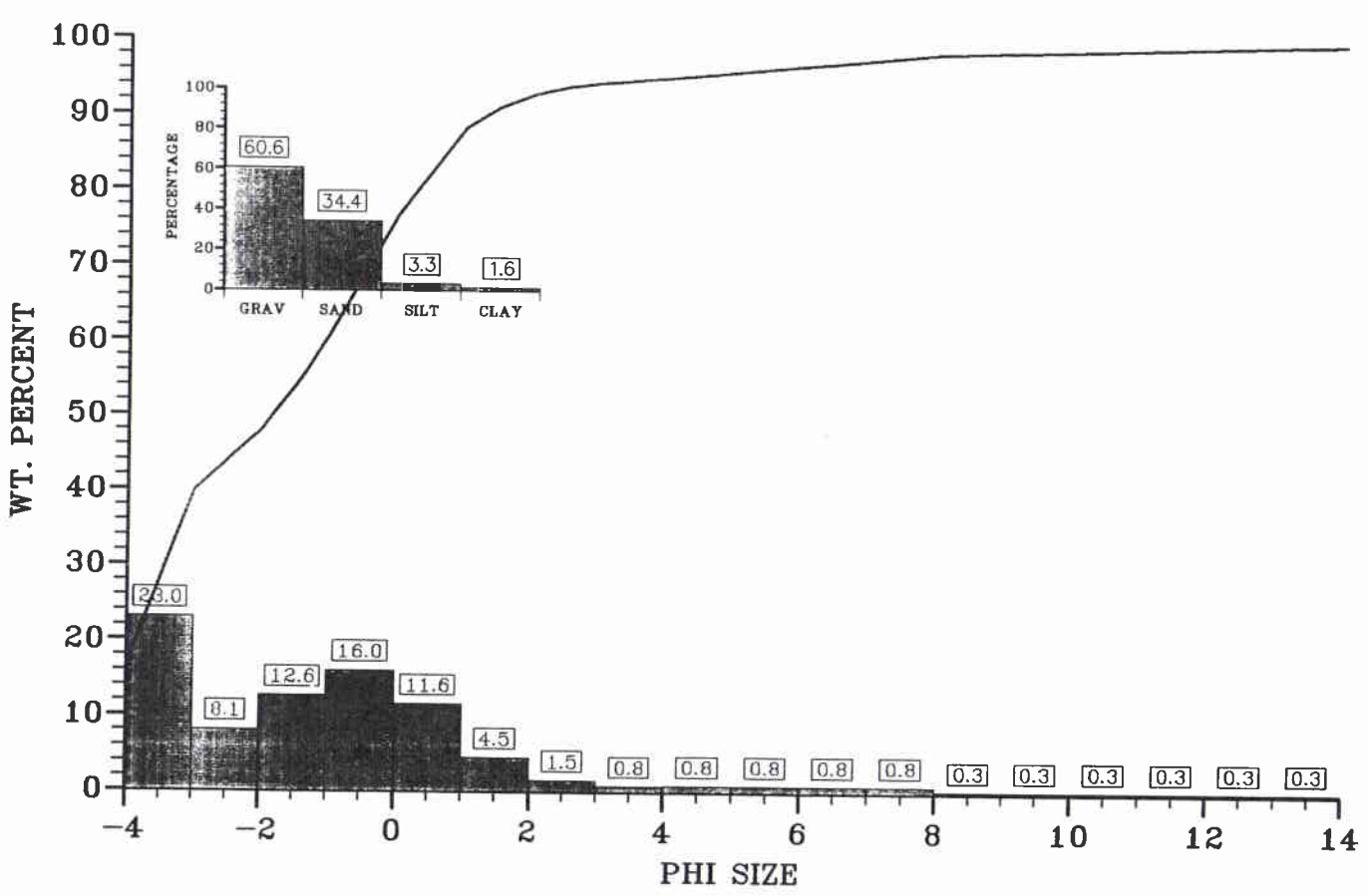
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.12	4.06	0.21	1.16	0.54

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-0.19	0.28	4.03	0.12	0.53	0.68

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00270 SAMPLE : 00050



FOLK VALUES
MZ :-1.74
SD : 2.46
SK : 0.21
KG : 0.98
KG1 : 0.50

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17145546

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00270 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	7.22	16.88	16.88
-3.75	2.46	5.76	22.64
-3.50	2.46	5.76	28.40
-3.25	2.46	5.76	34.16
-3.00	2.46	5.76	39.92
-2.75	0.86	2.01	41.94
-2.50	0.86	2.01	43.95
-2.25	0.86	2.01	45.96
-2.00	0.86	2.01	47.98
-1.75	1.26	2.94	50.92
-1.50	1.26	2.94	53.86
-1.25	1.45	3.38	57.24
-1.00	1.45	3.38	60.62
-0.75	1.66	3.89	64.52
-0.50	1.66	3.89	68.41
-0.25	1.75	4.11	72.52
0.00	1.75	4.11	76.62
0.25	1.23	2.88	79.50
0.50	1.23	2.88	82.38
0.75	1.24	2.91	85.29
1.00	1.24	2.91	88.20
1.25	0.58	1.36	89.57
1.50	0.58	1.36	90.93
1.75	0.37	0.87	91.80
2.00	0.37	0.87	92.68
2.25	0.21	0.49	93.17
2.50	0.21	0.49	93.65
2.75	0.12	0.28	93.93
3.00	0.12	0.28	94.22
3.25	0.09	0.20	94.42
3.50	0.09	0.20	94.62
3.75	0.08	0.20	94.81
4.00	0.08	0.20	95.01
4.50	0.18	0.42	95.43
5.00	0.18	0.42	95.85
5.50	0.18	0.42	96.26
6.00	0.18	0.42	96.68
6.50	0.18	0.42	97.10
7.00	0.18	0.42	97.52
7.50	0.18	0.42	97.94
8.00	0.18	0.42	98.36
9.00	0.12	0.27	98.63
10.00	0.12	0.27	98.91
11.00	0.12	0.27	99.18
12.00	0.12	0.27	99.45
13.00	0.12	0.27	99.73
14.00	0.12	0.27	100.00

Post Analytical Weight : 42.75

Cruise : MAJORICA Station : 00270 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.52	-4.04	-3.65	-1.83	-0.10	0.64	3.99

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
60.62	34.39	3.35	1.64

FOLK VALUES :

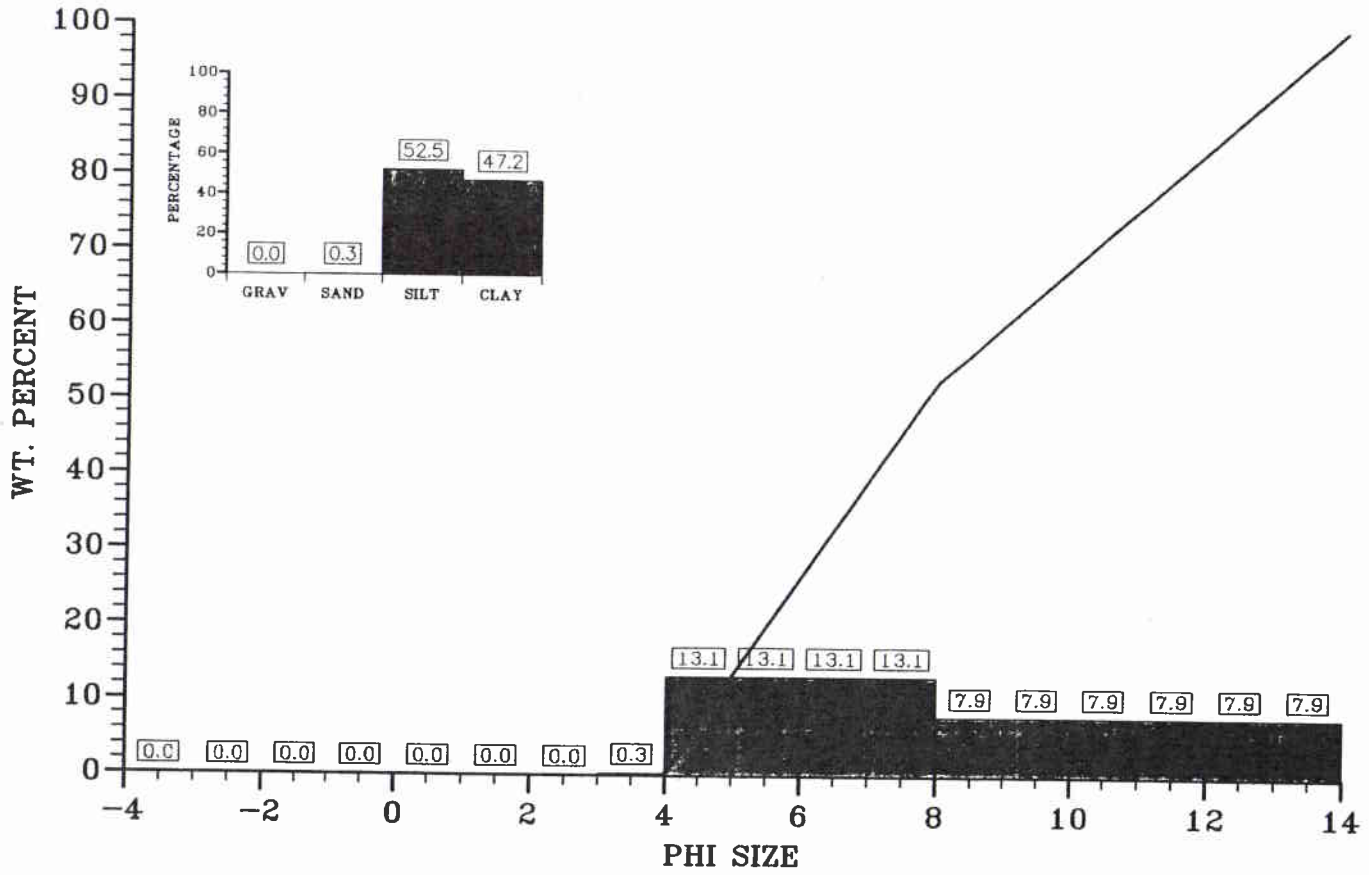
MEAN	ST.DEV	SKEW	KURT	N.KURT
-1.74	2.46	0.21	0.98	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-1.83	-1.70	2.34	0.05	0.67	0.82

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00001



FOLK VALUES
MZ : 8.32
SD : 3.06
SK : 0.24
KG : 0.75
KG1 : 0.43

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17145351

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00001
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
4.00	0.03	0.29	0.29
4.50	0.75	6.56	6.85
5.00	0.75	6.56	13.41
5.50	0.75	6.56	19.97
6.00	0.75	6.56	26.54
6.50	0.75	6.56	33.10
7.00	0.75	6.56	39.66
7.50	0.75	6.56	46.22
8.00	0.75	6.56	52.78
9.00	0.90	7.87	60.65
10.00	0.90	7.87	68.52
11.00	0.90	7.87	76.39
12.00	0.90	7.87	84.26
13.00	0.90	7.87	92.13
14.00	0.90	7.87	100.00

Post Analytical Weight : 11.48

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
4.36	5.20	5.88	7.79	10.82	11.97	13.36

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	0.29	52.50	47.22

FOLK VALUES :

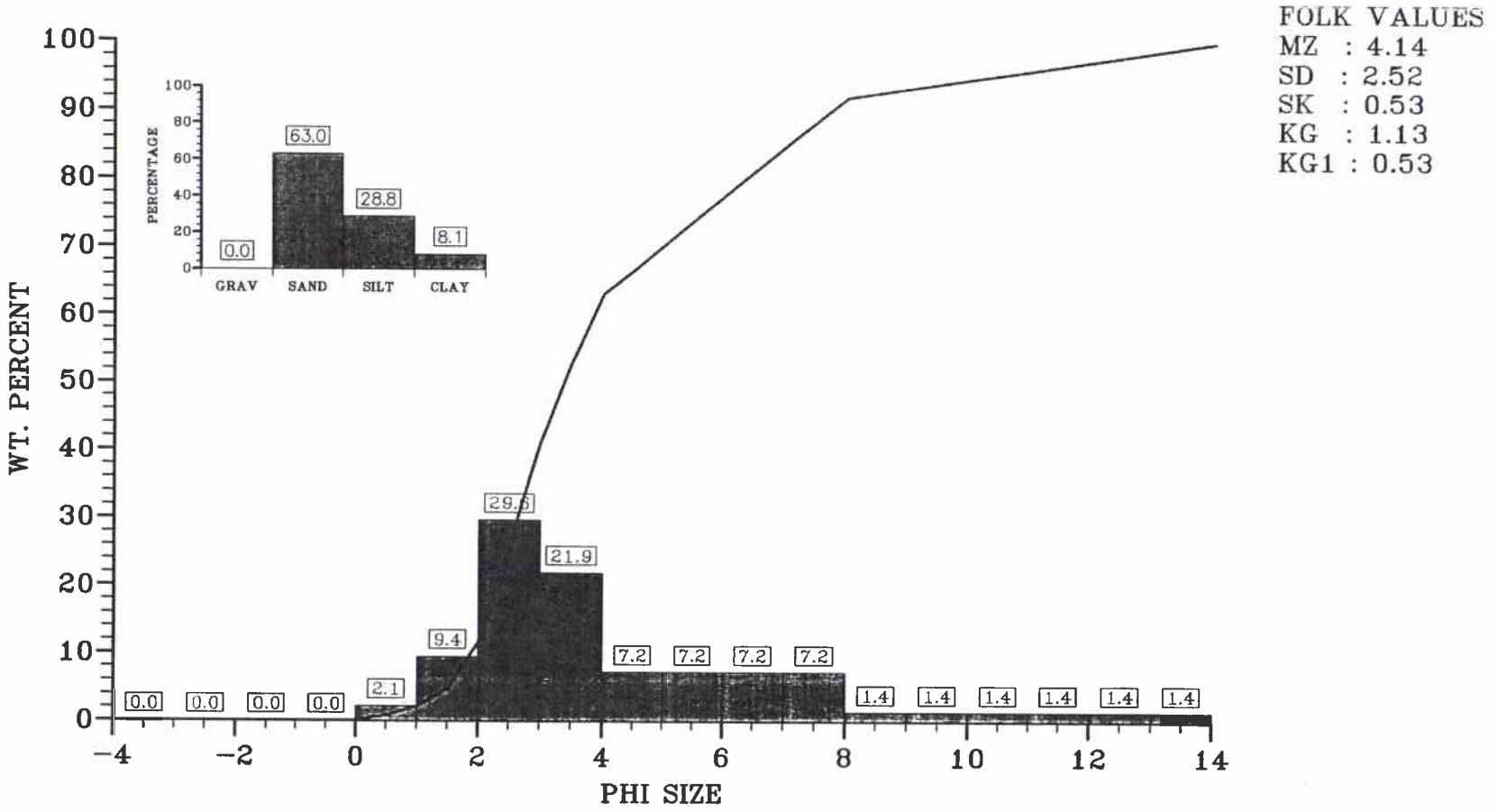
MEAN	ST.DEV	SKEW	KURT	N.KURT
8.32	3.06	0.24	0.75	0.43

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
7.79	8.58	3.38	0.23	0.32	0.33

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00005



UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17145205

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00005
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
0.25	0.11	0.40	0.40
0.50	0.11	0.40	0.80
0.75	0.19	0.68	1.47
1.00	0.19	0.68	2.15
1.25	0.36	1.30	3.45
1.50	0.36	1.30	4.75
1.75	0.93	3.41	8.16
2.00	0.93	3.41	11.57
2.25	1.96	7.17	18.74
2.50	1.96	7.17	25.90
2.75	2.09	7.64	33.54
3.00	2.09	7.64	41.18
3.25	1.62	5.93	47.12
3.50	1.62	5.93	53.05
3.75	1.37	4.99	58.05
4.00	1.37	4.99	63.04
4.50	0.99	3.61	66.65
5.00	0.99	3.61	70.25
5.50	0.99	3.61	73.86
6.00	0.99	3.61	77.46
6.50	0.99	3.61	81.07
7.00	0.99	3.61	84.68
7.50	0.99	3.61	88.28
8.00	0.99	3.61	91.89
9.00	0.37	1.35	93.24
10.00	0.37	1.35	94.59
11.00	0.37	1.35	95.94
12.00	0.37	1.35	97.30
13.00	0.37	1.35	98.65
14.00	0.37	1.35	100.00

Post Analytical Weight : 27.37

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
1.52	2.15	2.47	3.37	5.66	6.91	10.30

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	63.04	28.85	8.11

FOLK VALUES :

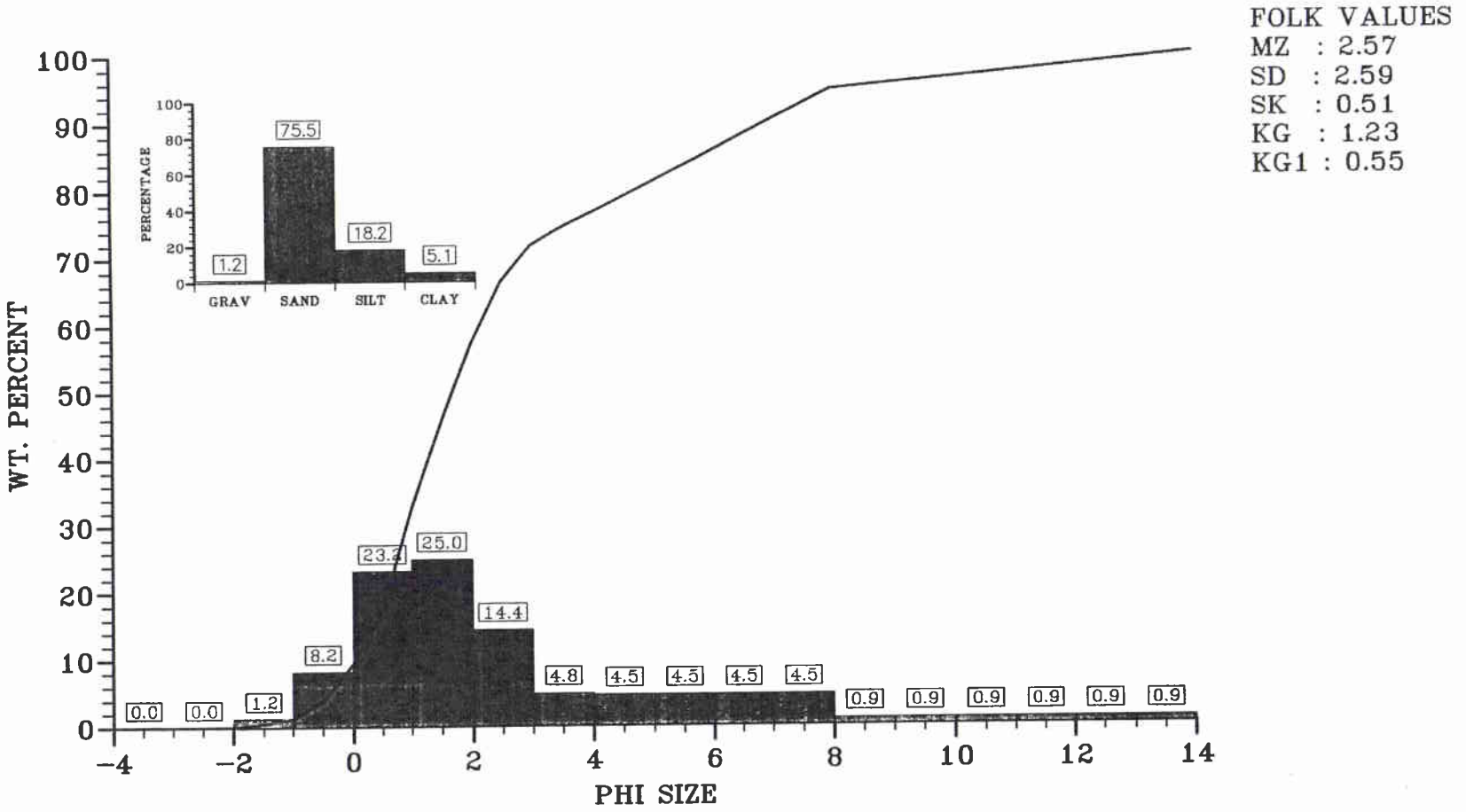
MEAN	ST.DEV	SKEW	KURT	N.KURT
4.14	2.52	0.53	1.13	0.53

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
3.37	4.53	2.38	0.49	1.07	0.85

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00010



UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17144945

Cruise : MAJORICA Station : 00271 Sample : 00010
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.11	0.24	0.24
-1.50	0.11	0.24	0.49
-1.25	0.16	0.36	0.84
-1.00	0.16	0.36	1.20
-0.75	0.59	1.36	2.56
-0.50	0.59	1.36	3.92
-0.25	1.19	2.74	6.66
0.00	1.19	2.74	9.40
0.25	1.74	4.00	13.39
0.50	1.74	4.00	17.39
0.75	3.30	7.60	24.99
1.00	3.30	7.60	32.59
1.25	2.83	6.50	39.09
1.50	2.83	6.50	45.59
1.75	2.60	5.98	51.57
2.00	2.60	5.98	57.56
2.25	1.97	4.53	62.08
2.50	1.97	4.53	66.61
2.75	1.16	2.67	69.28
3.00	1.16	2.67	71.95
3.25	0.57	1.32	73.27
3.50	0.57	1.32	74.59
3.75	0.47	1.07	75.66
4.00	0.47	1.07	76.73
4.50	0.99	2.27	79.00
5.00	0.99	2.27	81.27
5.50	0.99	2.27	83.54
6.00	0.99	2.27	85.81
6.50	0.99	2.27	88.08
7.00	0.99	2.27	90.35
7.50	0.99	2.27	92.62
8.00	0.99	2.27	94.89
9.00	0.37	0.85	95.74
10.00	0.37	0.85	96.60
11.00	0.37	0.85	97.45
12.00	0.37	0.85	98.30
13.00	0.37	0.85	99.15
14.00	0.37	0.85	100.00

Post Analytical Weight : 43.47

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.40	0.41	0.75	1.68	3.60	5.60	8.13

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
1.20	75.53	18.17	5.11

FOLK VALUES :

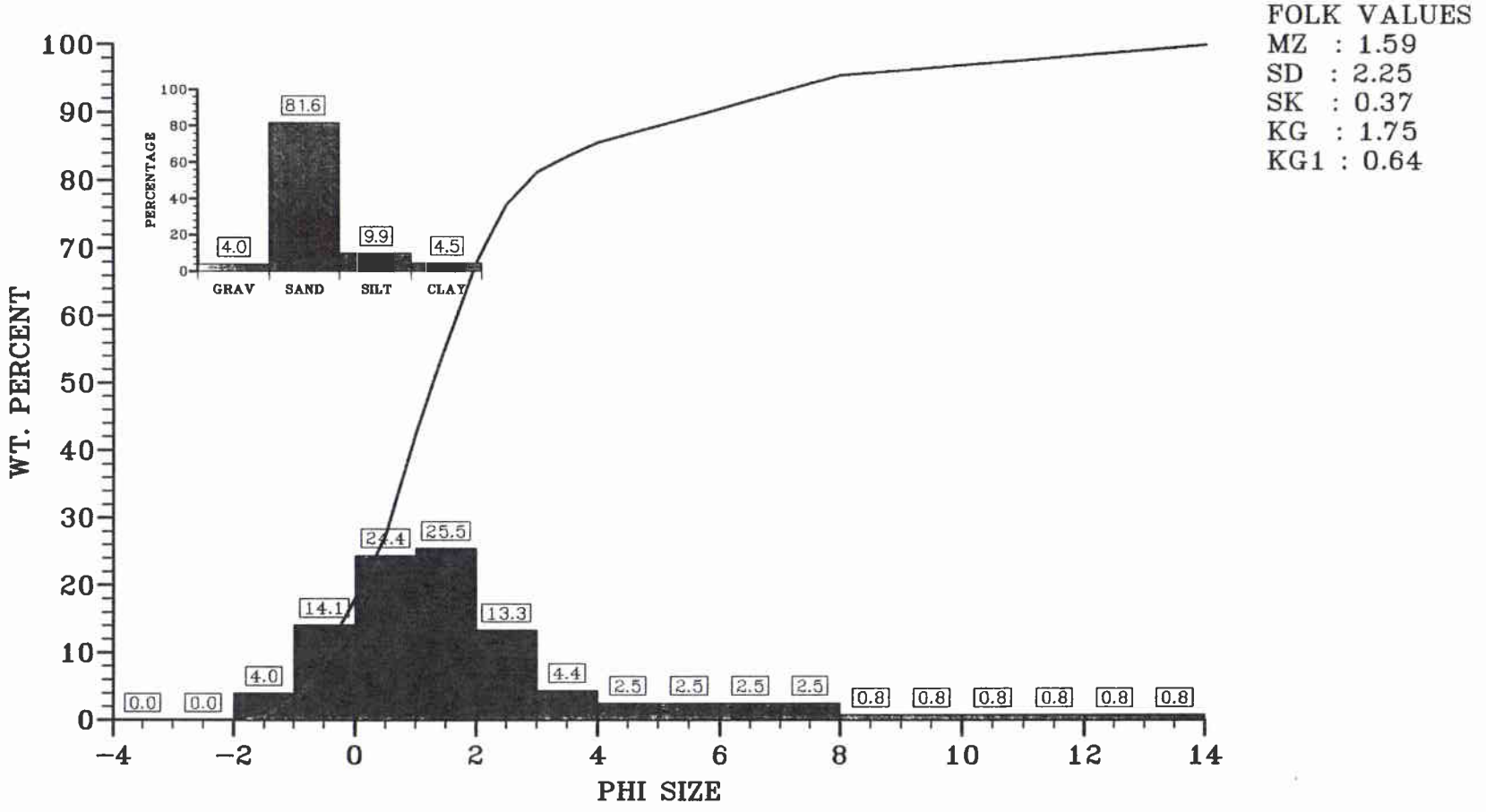
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.57	2.59	0.51	1.23	0.55

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.68	3.01	2.59	0.51	0.84	0.64

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00015



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105160545

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.22	0.58	0.58
-1.50	0.22	0.58	1.16
-1.25	0.53	1.40	2.56
-1.00	0.53	1.40	3.96
-0.75	1.02	2.70	6.66
-0.50	1.02	2.70	9.36
-0.25	1.64	4.33	13.69
0.00	1.64	4.33	18.03
0.25	1.77	4.69	22.71
0.50	1.77	4.69	27.40
0.75	2.84	7.51	34.91
1.00	2.84	7.51	42.43
1.25	2.50	6.62	49.04
1.50	2.50	6.62	55.66
1.75	2.31	6.12	61.78
2.00	2.31	6.12	67.90
2.25	1.62	4.30	72.19
2.50	1.62	4.30	76.49
2.75	0.89	2.36	78.85
3.00	0.89	2.36	81.21
3.25	0.44	1.18	82.38
3.50	0.44	1.18	83.56
3.75	0.38	1.01	84.57
4.00	0.38	1.01	85.57
4.50	0.47	1.24	86.81
5.00	0.47	1.24	88.05
5.50	0.47	1.24	89.29
6.00	0.47	1.24	90.52
6.50	0.47	1.24	91.76
7.00	0.47	1.24	93.00
7.50	0.47	1.24	94.24
8.00	0.47	1.24	95.48
9.00	0.28	0.75	96.23
10.00	0.28	0.75	96.98
11.00	0.28	0.75	97.74
12.00	0.28	0.75	98.49
13.00	0.28	0.75	99.25
14.00	0.28	0.75	100.00

Post Analytical Weight : 37.80

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.90	-0.12	0.37	1.29	2.41	3.61	7.81

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
3.96	81.61	9.91	4.52

FOLK VALUES :

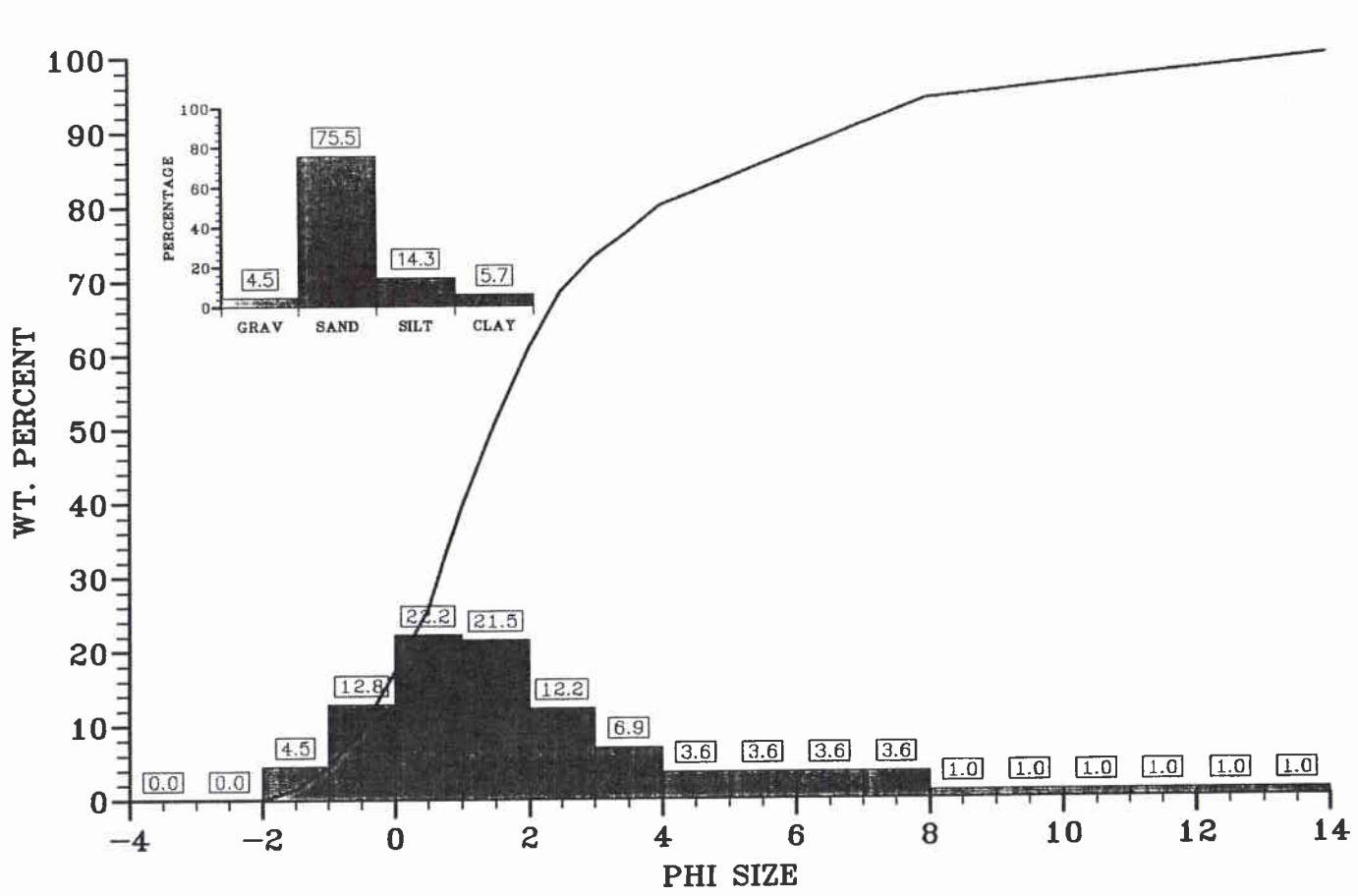
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.59	2.25	0.37	1.75	0.64

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.29	1.75	1.86	0.25	1.16	1.34

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00020



FOLK VALUES
MZ : 2.17
SD : 2.77
SK : 0.46
KG : 1.41
KG1 : 0.58

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17144744

Cruise : MAJORICA Station : 00271 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.25	0.71	0.71
-1.50	0.25	0.71	1.41
-1.25	0.54	1.53	2.94
-1.00	0.54	1.53	4.47
-0.75	0.87	2.46	6.93
-0.50	0.87	2.46	9.38
-0.25	1.39	3.94	13.32
0.00	1.39	3.94	17.26
0.25	1.48	4.17	21.42
0.50	1.48	4.17	25.59
0.75	2.45	6.92	32.51
1.00	2.45	6.92	39.43
1.25	2.03	5.72	45.15
1.50	2.03	5.72	50.87
1.75	1.78	5.01	55.88
2.00	1.78	5.01	60.89
2.25	1.34	3.79	64.68
2.50	1.34	3.79	68.47
2.75	0.81	2.30	70.77
3.00	0.81	2.30	73.07
3.25	0.58	1.64	74.71
3.50	0.58	1.64	76.35
3.75	0.64	1.81	78.16
4.00	0.64	1.81	79.97
4.50	0.63	1.79	81.76
5.00	0.63	1.79	83.55
5.50	0.63	1.79	85.33
6.00	0.63	1.79	87.12
6.50	0.63	1.79	88.90
7.00	0.63	1.79	90.69
7.50	0.63	1.79	92.48
8.00	0.63	1.79	94.26
9.00	0.34	0.96	95.22
10.00	0.34	0.96	96.17
11.00	0.34	0.96	97.13
12.00	0.34	0.96	98.09
13.00	0.34	0.96	99.04
14.00	0.34	0.96	100.00

Post Analytical Weight : 35.44

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.95	-0.08	0.46	1.46	3.29	5.13	8.77

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
4.47	75.51	14.29	5.74

FOLK VALUES :

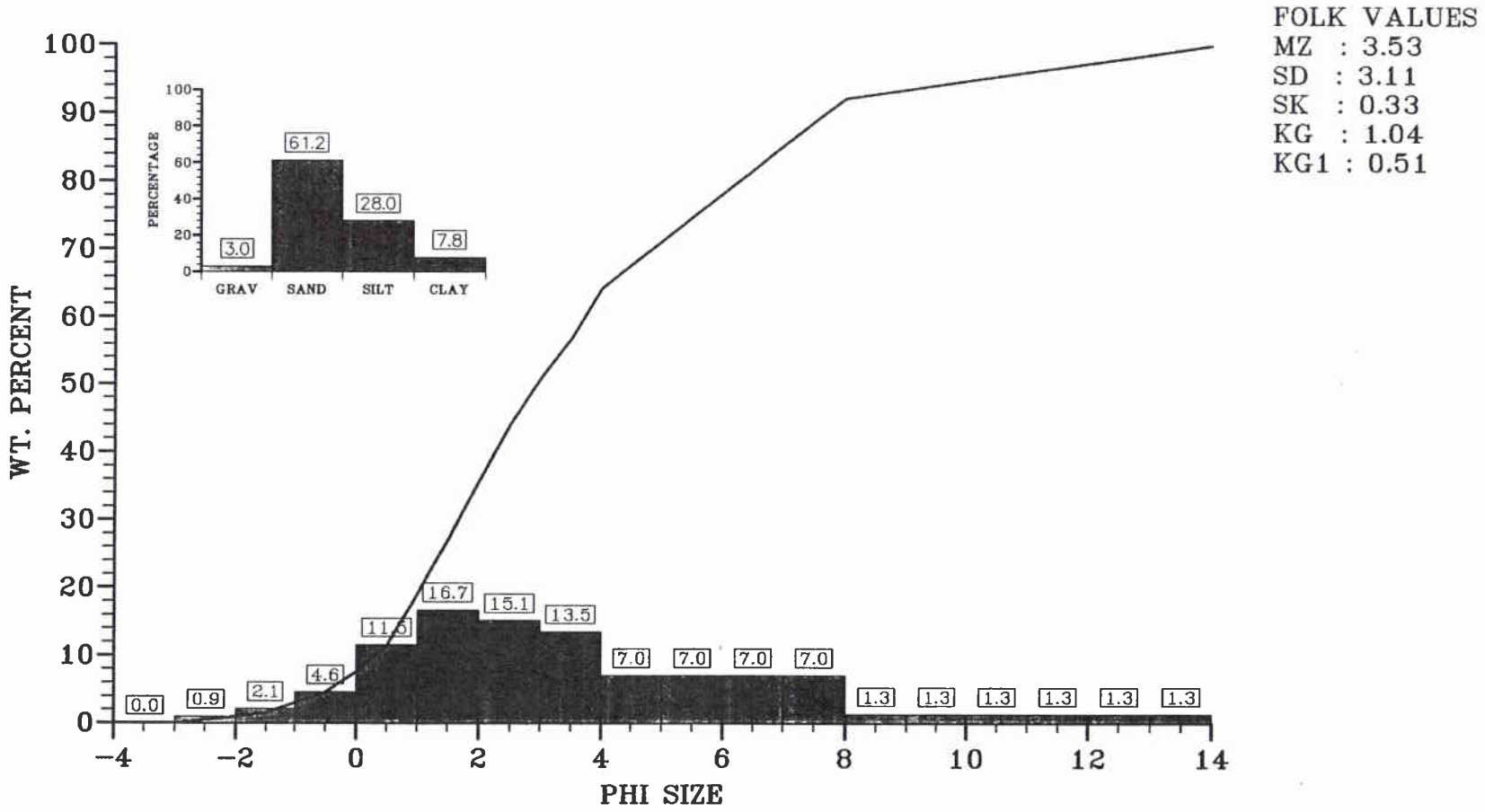
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.17	2.77	0.46	1.41	0.58

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.46	2.52	2.60	0.41	0.94	0.87

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00025



FOLK VALUES
MZ : 3.53
SD : 3.11
SK : 0.33
KG : 1.04
KG1 : 0.51

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105151809

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.08	0.22	0.22
-2.50	0.08	0.22	0.45
-2.25	0.08	0.22	0.67
-2.00	0.08	0.22	0.90
-1.75	0.11	0.31	1.21
-1.50	0.11	0.31	1.51
-1.25	0.27	0.72	2.23
-1.00	0.27	0.72	2.95
-0.75	0.30	0.81	3.77
-0.50	0.30	0.81	4.58
-0.25	0.54	1.46	6.04
0.00	0.54	1.46	7.50
0.25	0.72	1.96	9.46
0.50	0.72	1.96	11.42
0.75	1.40	3.79	15.21
1.00	1.40	3.79	19.00
1.25	1.48	3.99	22.99
1.50	1.48	3.99	26.98
1.75	1.61	4.34	31.32
2.00	1.61	4.34	35.66
2.25	1.54	4.18	39.84
2.50	1.54	4.18	44.02
2.75	1.24	3.36	47.38
3.00	1.24	3.36	50.74
3.25	1.11	3.01	53.76
3.50	1.11	3.01	56.77
3.75	1.37	3.71	60.48
4.00	1.37	3.71	64.19
4.50	1.29	3.50	67.69
5.00	1.29	3.50	71.19
5.50	1.29	3.50	74.69
6.00	1.29	3.50	78.18
6.50	1.29	3.50	81.68
7.00	1.29	3.50	85.18
7.50	1.29	3.50	88.68
8.00	1.29	3.50	92.18
9.00	0.48	1.30	93.48
10.00	0.48	1.30	94.78
11.00	0.48	1.30	96.09
12.00	0.48	1.30	97.39
13.00	0.48	1.30	98.70
14.00	0.48	1.30	100.00

Post Analytical Weight : 36.96

Cruise : MAJORICA Station : 00271 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.43	0.80	1.38	2.94	5.54	6.83	10.17

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
2.95	61.24	27.98	7.82

FOLK VALUES :

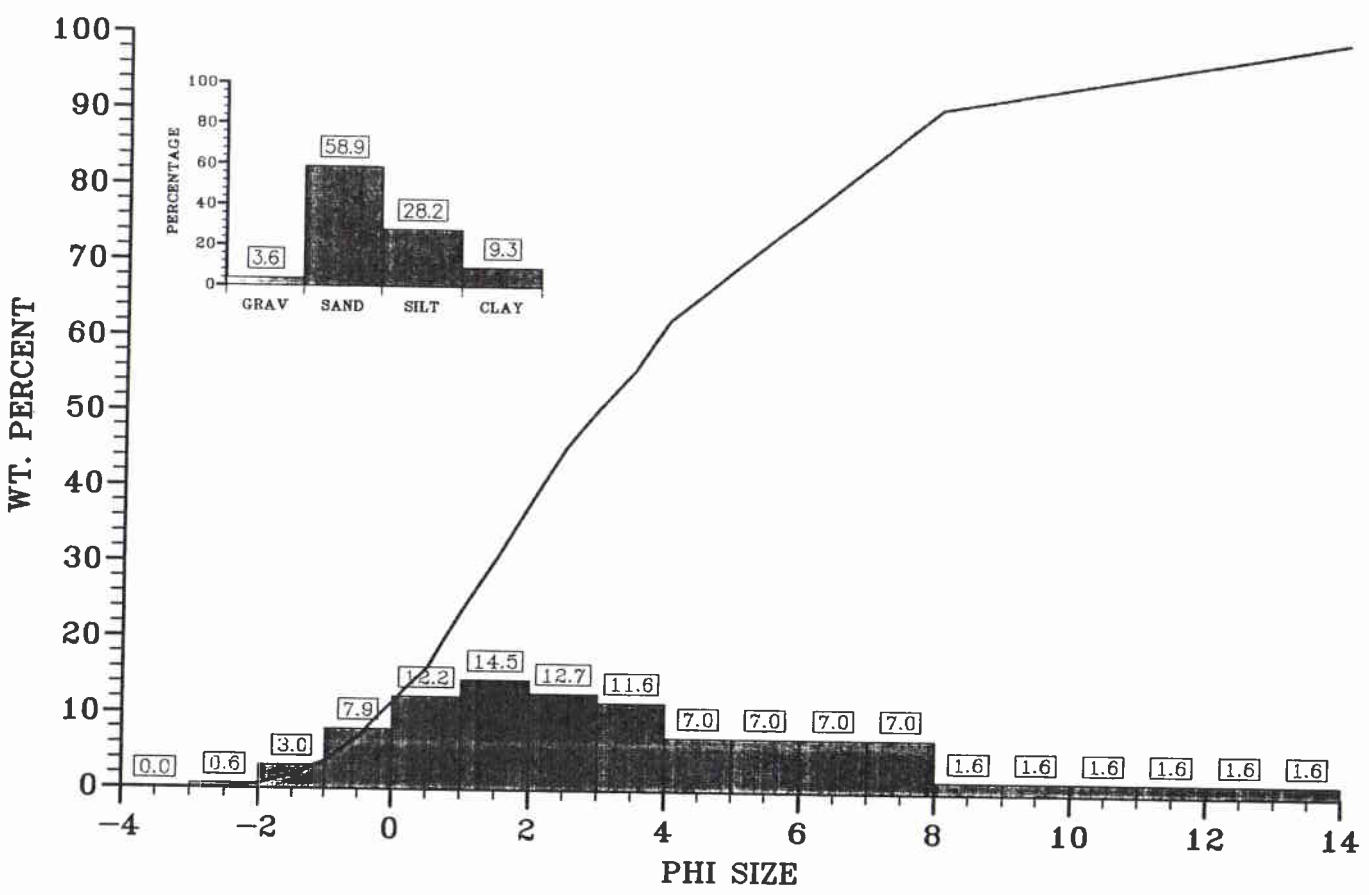
MEAN	ST.DEV	SKEW	KURT	N.KURT
3.53	3.11	0.33	1.04	0.51

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.94	3.82	3.01	0.29	0.64	0.76

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00030



FOLK VALUES
MZ : 3.49
SD : 3.39
SK : 0.31
KG : 1.01
KG1 : 0.50

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17144536

Cruise : MAJORICA Station : 00271 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.10	0.28	0.28
-2.00	0.10	0.28	0.57
-1.75	0.23	0.63	1.19
-1.50	0.23	0.63	1.82
-1.25	0.33	0.89	2.71
-1.00	0.33	0.89	3.60
-0.75	0.60	1.64	5.24
-0.50	0.60	1.64	6.88
-0.25	0.85	2.31	9.18
0.00	0.85	2.31	11.49
0.25	0.84	2.29	13.78
0.50	0.84	2.29	16.06
0.75	1.40	3.82	19.89
1.00	1.40	3.82	23.71
1.25	1.28	3.48	27.19
1.50	1.28	3.48	30.68
1.75	1.37	3.75	34.42
2.00	1.37	3.75	38.17
2.25	1.33	3.64	41.81
2.50	1.33	3.64	45.46
2.75	1.00	2.73	48.19
3.00	1.00	2.73	50.92
3.25	0.90	2.46	53.38
3.50	0.90	2.46	55.84
3.75	1.22	3.34	59.18
4.00	1.22	3.34	62.52
4.50	1.29	3.52	66.04
5.00	1.29	3.52	69.56
5.50	1.29	3.52	73.08
6.00	1.29	3.52	76.60
6.50	1.29	3.52	80.12
7.00	1.29	3.52	83.64
7.50	1.29	3.52	87.16
8.00	1.29	3.52	90.68
9.00	0.57	1.55	92.23
10.00	0.57	1.55	93.78
11.00	0.57	1.55	95.34
12.00	0.57	1.55	96.89
13.00	0.57	1.55	98.45
14.00	0.57	1.55	100.00

Post Analytical Weight : 36.62

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.79	0.49	1.09	2.92	5.77	7.05	10.78

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
3.60	58.92	28.16	9.32

FOLK VALUES :

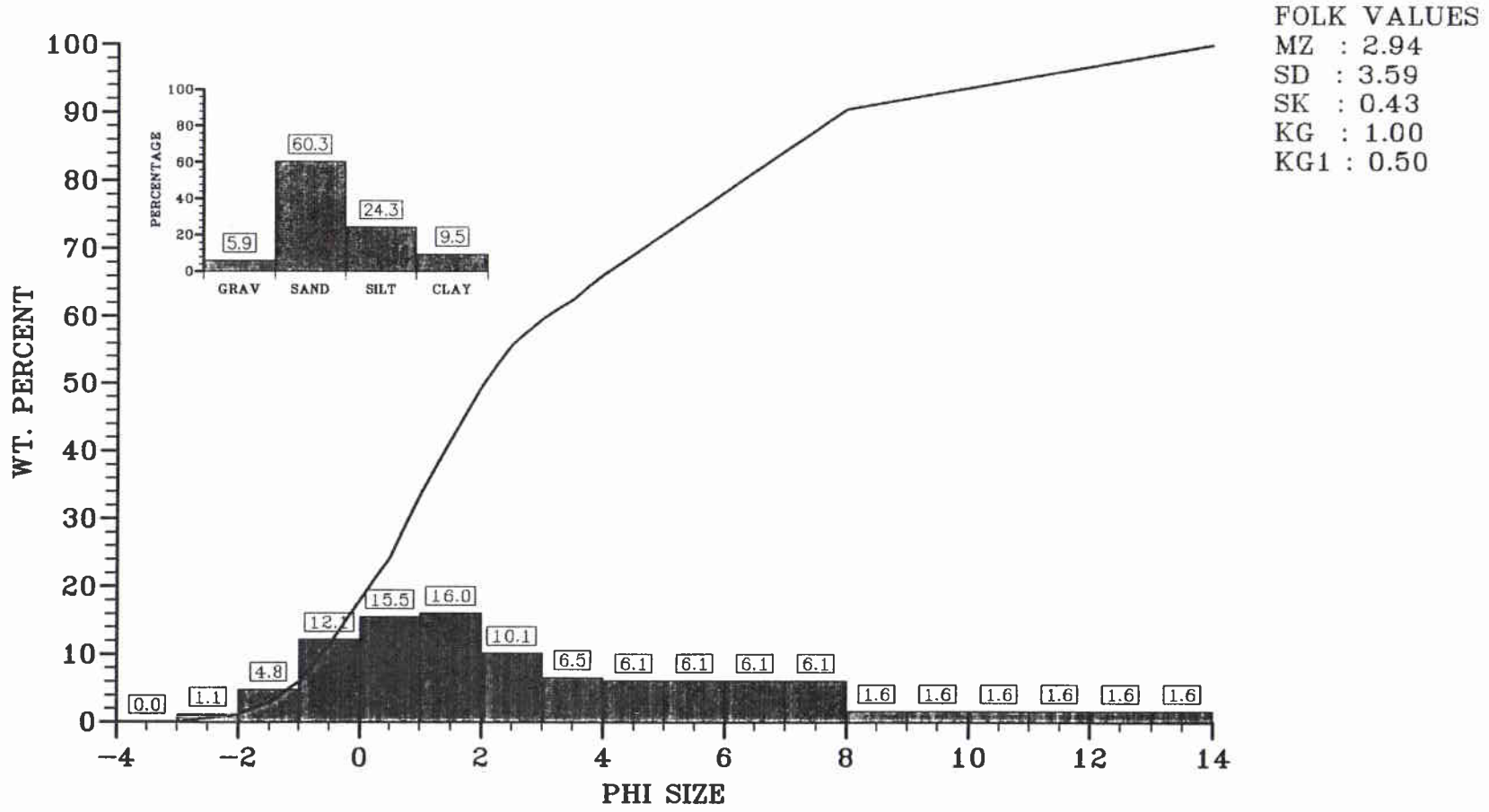
MEAN	ST.DEV	SKEW	KURT	N.KURT
3.49	3.39	0.31	1.01	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.92	3.77	3.28	0.26	0.63	0.76

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00035



UNCLASSIFIED User name: TURGUTCAN Date: 19-JAN-1994 Plot Id: H4119100709

Cruise : MAJORICA Station : 00271 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.10	0.28	0.28
-2.50	0.10	0.28	0.55
-2.25	0.10	0.28	0.83
-2.00	0.10	0.28	1.10
-1.75	0.34	0.89	2.00
-1.50	0.34	0.89	2.89
-1.25	0.57	1.51	4.40
-1.00	0.57	1.51	5.90
-0.75	1.02	2.72	8.63
-0.50	1.02	2.72	11.35
-0.25	1.26	3.34	14.69
0.00	1.26	3.34	18.03
0.25	1.15	3.07	21.09
0.50	1.15	3.07	24.16
0.75	1.76	4.68	28.84
1.00	1.76	4.68	33.52
1.25	1.54	4.09	37.61
1.50	1.54	4.09	41.70
1.75	1.48	3.93	45.63
2.00	1.48	3.93	49.56
2.25	1.18	3.15	52.70
2.50	1.18	3.15	55.85
2.75	0.72	1.91	57.75
3.00	0.72	1.91	59.66
3.25	0.54	1.43	61.09
3.50	0.54	1.43	62.53
3.75	0.69	1.83	64.36
4.00	0.69	1.83	66.19
4.50	1.14	3.04	69.23
5.00	1.14	3.04	72.27
5.50	1.14	3.04	75.30
6.00	1.14	3.04	78.34
6.50	1.14	3.04	81.38
7.00	1.14	3.04	84.42
7.50	1.14	3.04	87.45
8.00	1.14	3.04	90.49
9.00	0.60	1.58	92.08
10.00	0.60	1.58	93.66
11.00	0.60	1.58	95.25
12.00	0.60	1.58	96.83
13.00	0.60	1.58	98.42
14.00	0.60	1.58	100.00

Post Analytical Weight : 37.67

Cruise : MAJORICA Station : 00271 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.15	-0.15	0.54	2.04	5.45	6.93	10.85

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
5.90	60.29	24.30	9.51

FOLK VALUES :

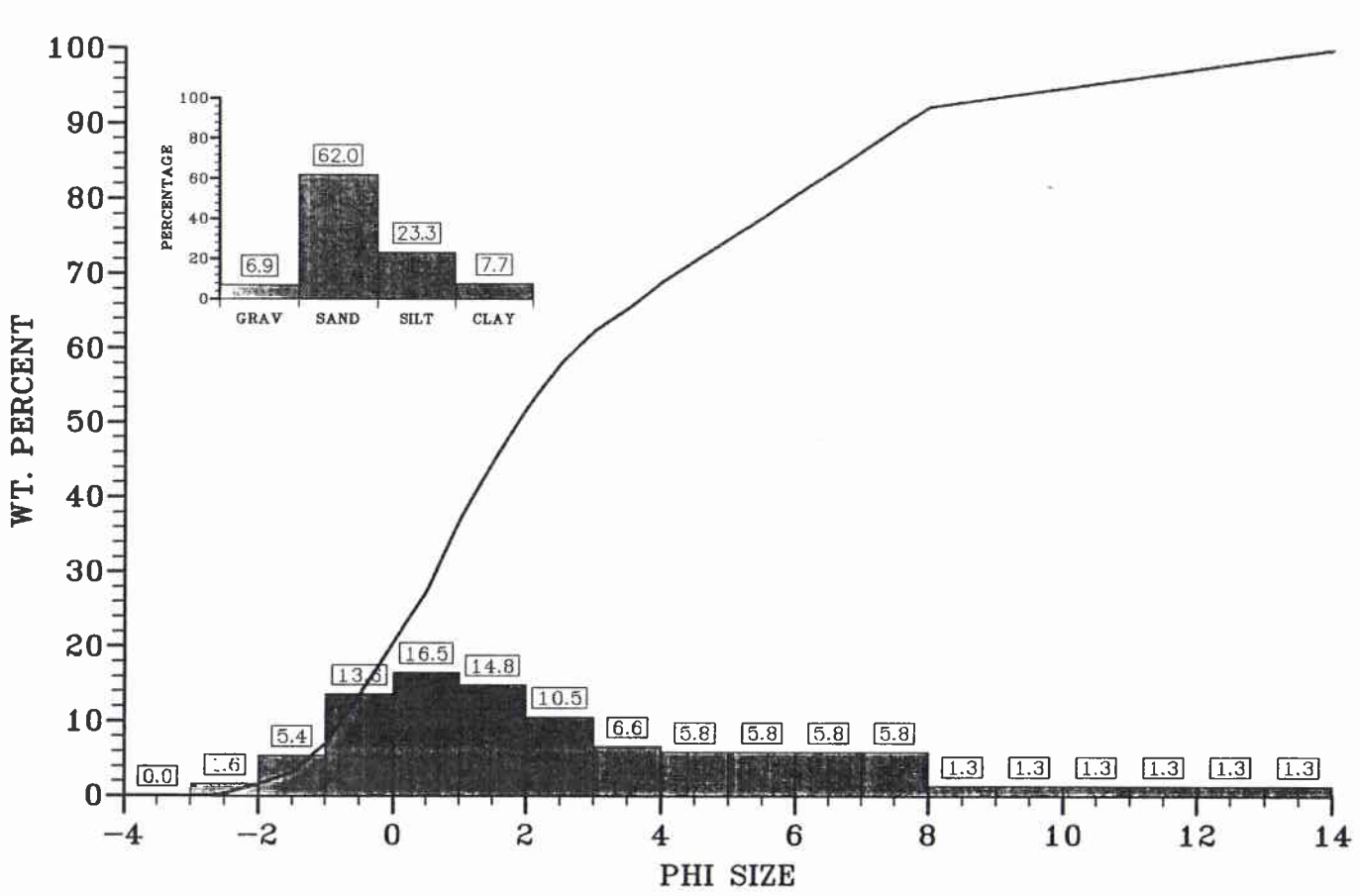
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.94	3.59	0.43	1.00	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.04	3.39	3.54	0.38	0.79	0.69

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00040



FOLK VALUES
MZ : 2.71
SD : 3.45
SK : 0.41
KG : 0.99
KG1 : 0.50

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17144416

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.50	0.10	0.29	0.29
-2.25	0.21	0.60	0.90
-2.00	0.23	0.66	1.56
-1.75	0.28	0.78	2.33
-1.50	0.28	0.78	3.11
-1.25	0.68	1.91	5.02
-1.00	0.68	1.91	6.94
-0.75	1.16	3.27	10.21
-0.50	1.16	3.27	13.49
-0.25	1.25	3.53	17.01
0.00	1.25	3.53	20.54
0.25	1.20	3.39	23.93
0.50	1.20	3.39	27.32
0.75	1.72	4.86	32.18
1.00	1.72	4.86	37.04
1.25	1.36	3.85	40.89
1.50	1.36	3.85	44.74
1.75	1.26	3.57	48.31
2.00	1.26	3.57	51.88
2.25	1.10	3.10	54.98
2.50	1.10	3.10	58.09
2.75	0.76	2.15	60.24
3.00	0.76	2.15	62.39
3.25	0.55	1.54	63.93
3.50	0.55	1.54	65.48
3.75	0.62	1.75	67.22
4.00	0.62	1.75	68.97
4.50	1.03	2.92	71.89
5.00	1.03	2.92	74.80
5.50	1.03	2.92	77.72
6.00	1.03	2.92	80.63
6.50	1.03	2.92	83.55
7.00	1.03	2.92	86.46
7.50	1.03	2.92	89.38
8.00	1.03	2.92	92.29
9.00	0.46	1.28	93.58
10.00	0.46	1.28	94.86
11.00	0.46	1.28	96.15
12.00	0.46	1.28	97.43
13.00	0.46	1.28	98.72
14.00	0.46	1.28	100.00

Post Analytical Weight : 35.43

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.25	-0.32	0.33	1.87	5.03	6.58	10.11

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
6.94	62.03	23.32	7.71

FOLK VALUES :

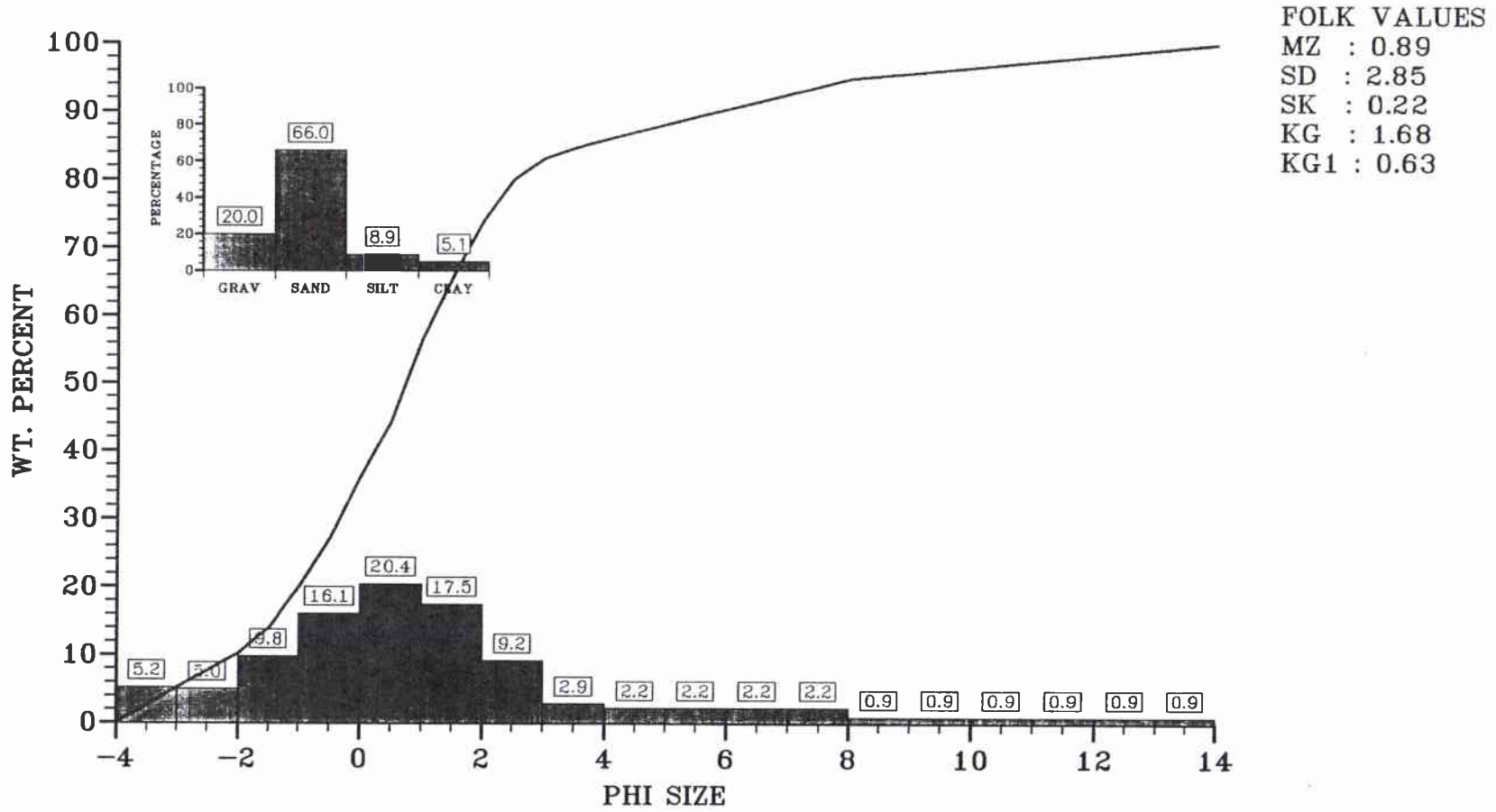
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.71	3.45	0.41	0.99	0.50

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.87	3.13	3.45	0.37	0.74	0.65

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00045



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105160714

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.54	1.30	1.30
-3.50	0.54	1.30	2.60
-3.25	0.54	1.30	3.90
-3.00	0.54	1.30	5.20
-2.75	0.51	1.25	6.44
-2.50	0.51	1.25	7.69
-2.25	0.51	1.25	8.94
-2.00	0.51	1.25	10.18
-1.75	0.78	1.90	12.08
-1.50	0.78	1.90	13.98
-1.25	1.24	2.99	16.98
-1.00	1.24	2.99	19.97
-0.75	1.45	3.52	23.49
-0.50	1.45	3.52	27.01
-0.25	1.87	4.52	31.53
0.00	1.87	4.52	36.06
0.25	1.71	4.14	40.20
0.50	1.71	4.14	44.34
0.75	2.50	6.07	50.41
1.00	2.50	6.07	56.48
1.25	1.91	4.64	61.12
1.50	1.91	4.64	65.76
1.75	1.69	4.09	69.85
2.00	1.69	4.09	73.94
2.25	1.24	3.02	76.95
2.50	1.24	3.02	79.97
2.75	0.66	1.61	81.58
3.00	0.63	1.53	83.11
3.25	0.32	0.79	83.90
3.50	0.32	0.79	84.68
3.75	0.26	0.64	85.32
4.00	0.26	0.64	85.96
4.50	0.46	1.11	87.08
5.00	0.46	1.11	88.19
5.50	0.46	1.11	89.30
6.00	0.46	1.11	90.41
6.50	0.46	1.11	91.53
7.00	0.46	1.11	92.64
7.50	0.46	1.11	93.75
8.00	0.46	1.11	94.87
9.00	0.35	0.86	95.72
10.00	0.35	0.86	96.58
11.00	0.35	0.86	97.43
12.00	0.35	0.86	98.29
13.00	0.35	0.86	99.14
14.00	0.35	0.86	100.00

Post Analytical Weight : 41.25

Cruise : MAJORICA Station : 00271 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.04	-1.33	-0.64	0.73	2.09	3.28	8.16

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
19.97	65.99	8.90	5.13

FOLK VALUES :

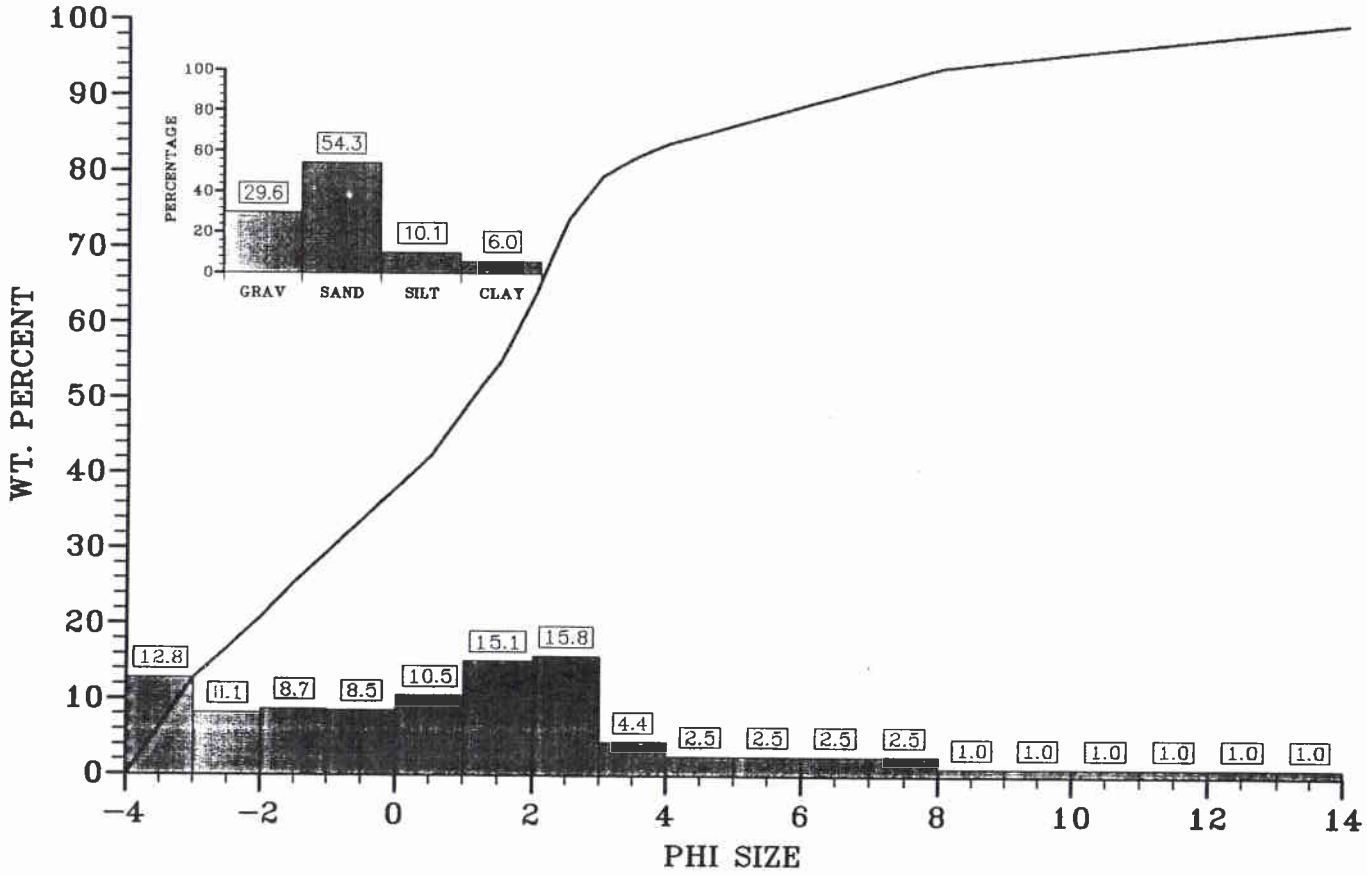
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.89	2.85	0.22	1.68	0.63

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.73	0.98	2.31	0.11	0.79	1.43

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00050



FOLK VALUES
MZ : 0.85
SD : 3.57
SK : 0.07
KG : 1.24
KG1 : 0.55

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17144141

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.38	3.19	3.19
-3.50	1.38	3.19	6.39
-3.25	1.38	3.19	9.58
-3.00	1.38	3.19	12.77
-2.75	0.88	2.03	14.81
-2.50	0.88	2.03	16.84
-2.25	0.88	2.03	18.88
-2.00	0.88	2.03	20.91
-1.75	1.01	2.33	23.24
-1.50	1.01	2.33	25.57
-1.25	0.87	2.02	27.59
-1.00	0.87	2.02	29.61
-0.75	0.92	2.13	31.74
-0.50	0.92	2.13	33.87
-0.25	0.92	2.12	35.99
0.00	0.92	2.12	38.11
0.25	0.92	2.12	40.22
0.50	0.92	2.12	42.34
0.75	1.35	3.12	45.46
1.00	1.35	3.12	48.59
1.25	1.36	3.14	51.72
1.50	1.36	3.14	54.86
1.75	1.92	4.43	59.29
2.00	1.92	4.43	63.72
2.25	2.18	5.05	68.77
2.50	2.18	5.05	73.82
2.75	1.23	2.84	76.67
3.00	1.23	2.84	79.51
3.25	0.54	1.25	80.76
3.50	0.54	1.25	82.01
3.75	0.41	0.94	82.95
4.00	0.41	0.94	83.89
4.50	0.55	1.26	85.16
5.00	0.55	1.26	86.42
5.50	0.55	1.26	87.68
6.00	0.55	1.26	88.94
6.50	0.55	1.26	90.21
7.00	0.55	1.26	91.47
7.50	0.55	1.26	92.73
8.00	0.55	1.26	93.99
9.00	0.43	1.00	94.99
10.00	0.43	1.00	96.00
11.00	0.43	1.00	97.00
12.00	0.43	1.00	98.00
13.00	0.43	1.00	99.00
14.00	0.43	1.00	100.00

Post Analytical Weight : 43.25

Cruise : MAJORICA Station : 00271 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.61	-2.60	-1.56	1.11	2.60	4.04	9.01

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
29.61	54.29	10.10	6.01

FOLK VALUES :

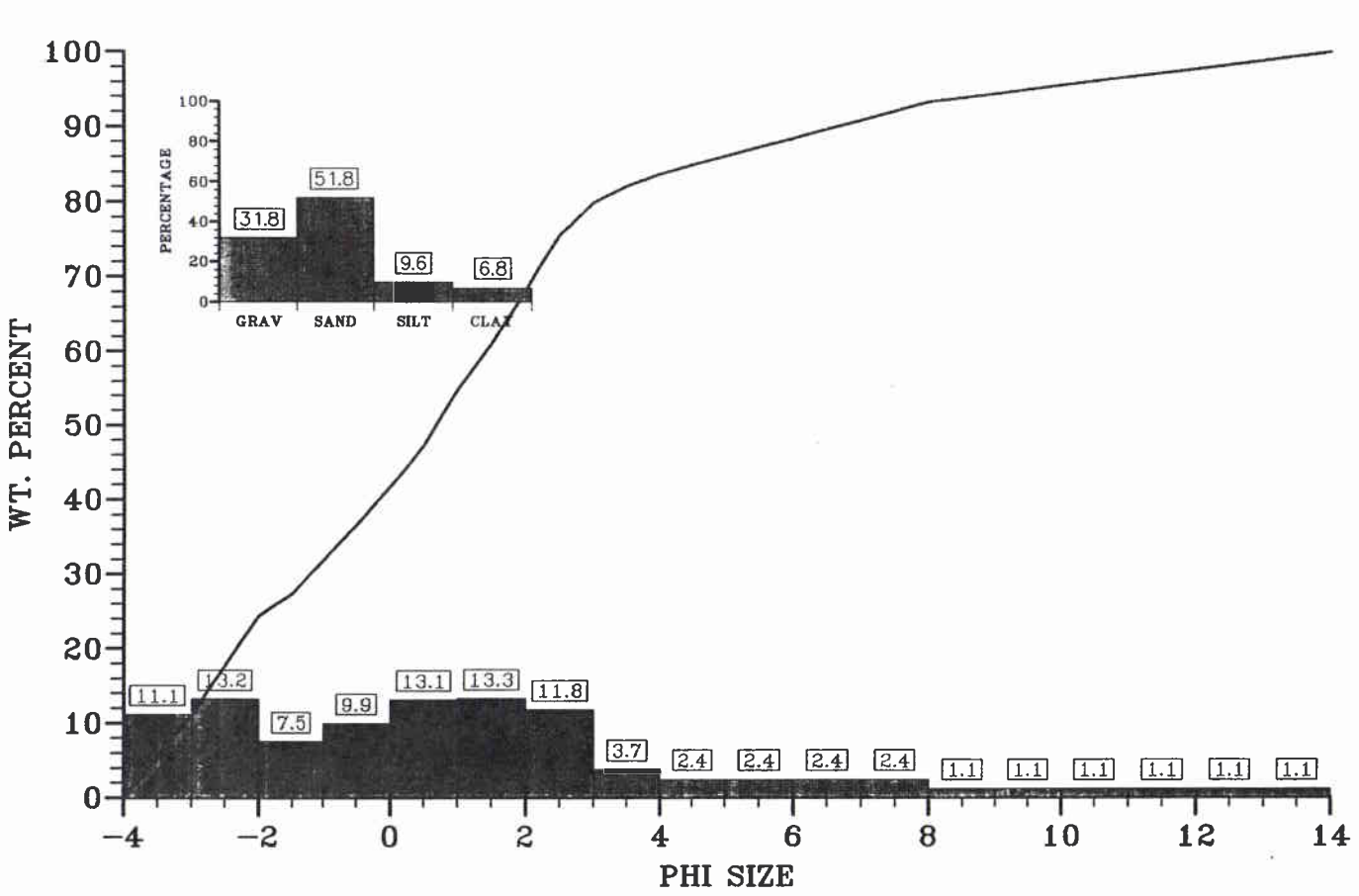
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.85	3.57	0.07	1.24	0.55

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.11	0.72	3.32	-0.12	0.48	0.90

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00055



FOLK VALUES
MZ : 0.73
SD : 3.69
SK : 0.19
KG : 1.24
KG1 : 0.55

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105160742

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.11	2.79	2.79
-3.50	1.11	2.79	5.57
-3.25	1.11	2.79	8.36
-3.00	1.11	2.79	11.14
-2.75	1.32	3.30	14.44
-2.50	1.32	3.30	17.74
-2.25	1.32	3.30	21.04
-2.00	1.32	3.30	24.34
-1.75	0.61	1.53	25.87
-1.50	0.61	1.53	27.40
-1.25	0.88	2.21	29.61
-1.00	0.88	2.21	31.82
-0.75	0.96	2.40	34.22
-0.50	0.96	2.40	36.62
-0.25	1.02	2.56	39.18
0.00	1.02	2.56	41.74
0.25	1.03	2.57	44.30
0.50	1.21	3.02	47.32
0.75	1.50	3.76	51.08
1.00	1.50	3.76	54.84
1.25	1.24	3.09	57.93
1.50	1.24	3.09	61.02
1.75	1.42	3.54	64.57
2.00	1.42	3.54	68.11
2.25	1.48	3.70	71.81
2.50	1.48	3.70	75.50
2.75	0.88	2.19	77.69
3.00	0.88	2.19	79.88
3.25	0.43	1.07	80.94
3.50	0.43	1.07	82.01
3.75	0.32	0.81	82.82
4.00	0.32	0.81	83.62
4.50	0.48	1.20	84.82
5.00	0.48	1.20	86.02
5.50	0.48	1.20	87.22
6.00	0.48	1.20	88.41
6.50	0.48	1.20	89.61
7.00	0.48	1.20	90.81
7.50	0.48	1.20	92.01
8.00	0.48	1.20	93.20
9.00	0.45	1.13	94.34
10.00	0.45	1.13	95.47
11.00	0.45	1.13	96.60
12.00	0.45	1.13	97.73
13.00	0.45	1.13	98.87
14.00	0.45	1.13	100.00

Post Analytical Weight : 40.00

Cruise : MAJORICA Station : 00271 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.55	-2.63	-1.89	0.68	2.47	4.16	9.59

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
31.82	51.80	9.58	6.80

FOLK VALUES :

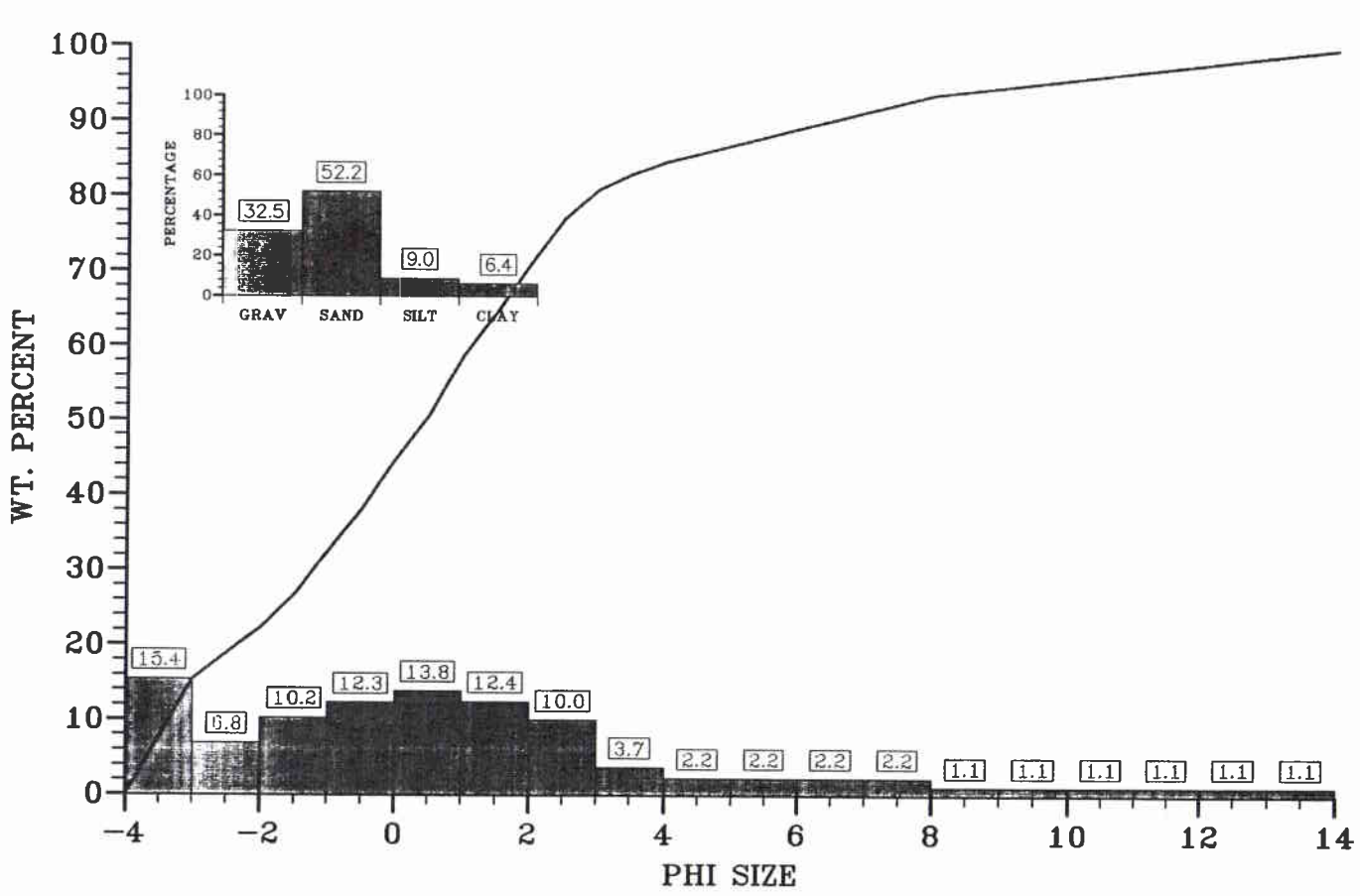
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.73	3.69	0.19	1.24	0.55

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.68	0.76	3.39	0.02	0.69	0.94

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00060



FOLK VALUES
MZ : 0.44
SD : 3.64
SK : 0.18
KG : 1.32
KG1 : 0.57

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17144017

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.52	3.85	3.85
-3.50	1.52	3.85	7.71
-3.25	1.52	3.85	11.56
-3.00	1.52	3.85	15.41
-2.75	0.68	1.71	17.12
-2.50	0.68	1.71	18.84
-2.25	0.68	1.71	20.55
-2.00	0.68	1.71	22.26
-1.75	0.90	2.28	24.54
-1.50	0.90	2.28	26.81
-1.25	1.12	2.84	29.65
-1.00	1.12	2.84	32.48
-0.75	1.13	2.86	35.35
-0.50	1.13	2.86	38.21
-0.25	1.29	3.28	41.49
0.00	1.29	3.28	44.77
0.25	1.15	2.92	47.69
0.50	1.15	2.92	50.62
0.75	1.57	3.99	54.61
1.00	1.57	3.99	58.60
1.25	1.18	3.00	61.61
1.50	1.18	3.00	64.61
1.75	1.26	3.19	67.80
2.00	1.26	3.19	71.00
2.25	1.19	3.01	74.01
2.50	1.19	3.01	77.02
2.75	0.78	1.97	78.99
3.00	0.78	1.97	80.96
3.25	0.41	1.03	81.99
3.50	0.41	1.03	83.01
3.75	0.33	0.83	83.84
4.00	0.33	0.83	84.67
4.50	0.44	1.12	85.79
5.00	0.44	1.12	86.91
5.50	0.44	1.12	88.03
6.00	0.44	1.12	89.15
6.50	0.44	1.12	90.27
7.00	0.44	1.12	91.40
7.50	0.44	1.12	92.52
8.00	0.44	1.12	93.64
9.00	0.42	1.06	94.70
10.00	0.42	1.06	95.76
11.00	0.42	1.06	96.82
12.00	0.42	1.06	97.88
13.00	0.42	1.06	98.94
14.00	0.42	1.06	100.00

Post Analytical Weight : 39.42

Cruise : MAJORICA Station : 00271 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.68	-2.91	-1.70	0.45	2.33	3.80	9.28

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
32.48	52.18	8.97	6.36

FOLK VALUES :

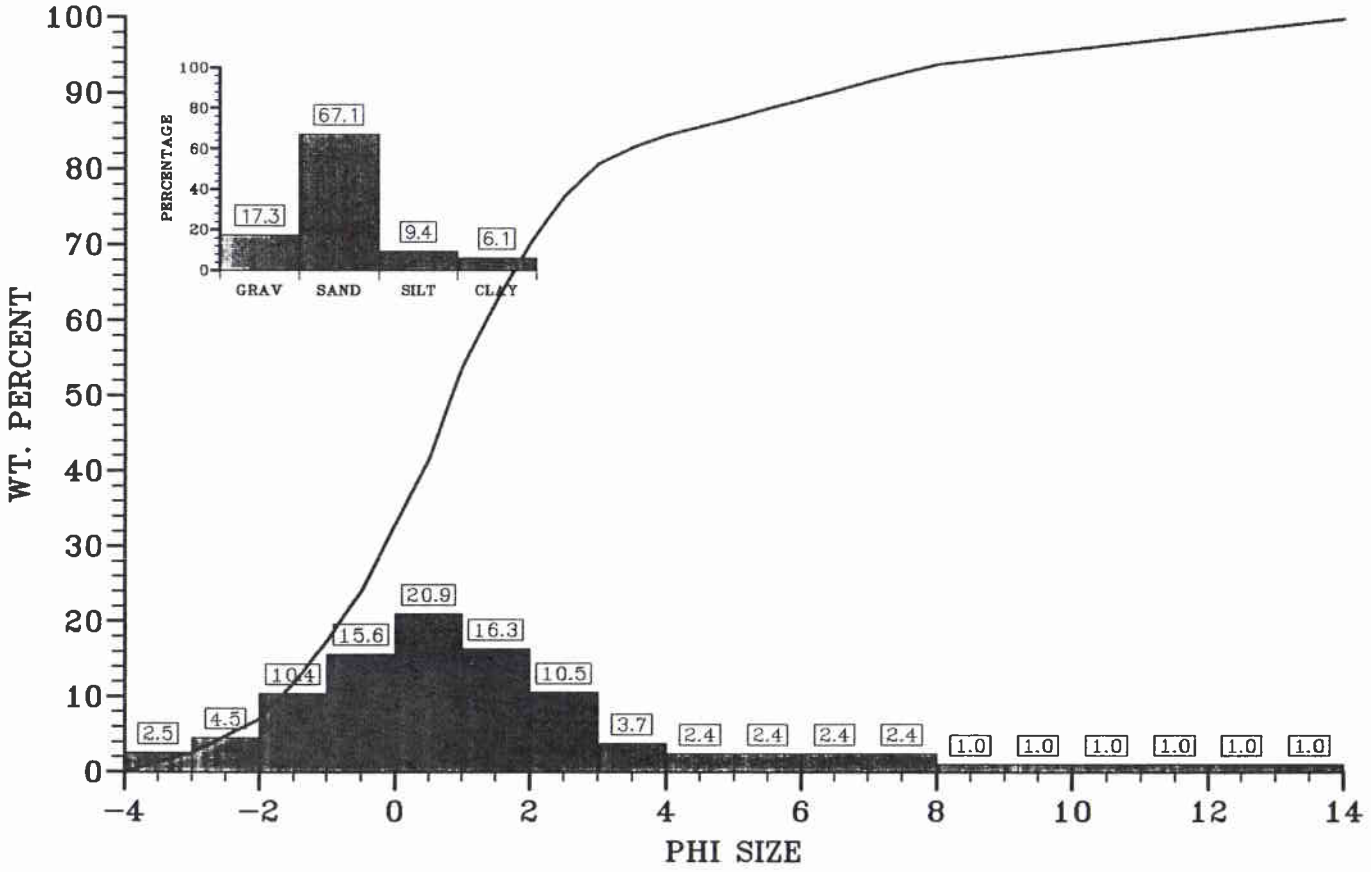
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.44	3.64	0.18	1.32	0.57

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.45	0.44	3.36	0.00	0.70	0.93

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00065



FOLK VALUES
MZ : 1.19
SD : 2.99
SK : 0.32
KG : 1.67
KG1 : 0.63

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152014

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.25	0.62	0.62
-3.50	0.25	0.62	1.25
-3.25	0.25	0.62	1.87
-3.00	0.25	0.62	2.50
-2.75	0.45	1.12	3.62
-2.50	0.45	1.12	4.74
-2.25	0.45	1.12	5.86
-2.00	0.45	1.12	6.98
-1.75	0.96	2.40	9.38
-1.50	0.96	2.40	11.79
-1.25	1.11	2.77	14.56
-1.00	1.11	2.77	17.34
-0.75	1.33	3.33	20.66
-0.50	1.33	3.33	23.99
-0.25	1.80	4.49	28.48
0.00	1.80	4.49	32.97
0.25	1.74	4.36	37.33
0.50	1.74	4.36	41.68
0.75	2.44	6.11	47.79
1.00	2.44	6.11	53.90
1.25	1.72	4.31	58.21
1.50	1.72	4.31	62.52
1.75	1.54	3.85	66.37
2.00	1.54	3.85	70.22
2.25	1.25	3.13	73.35
2.50	1.25	3.13	76.48
2.75	0.85	2.13	78.61
3.00	0.85	2.13	80.74
3.25	0.43	1.08	81.82
3.50	0.43	1.08	82.90
3.75	0.31	0.79	83.69
4.00	0.31	0.79	84.48
4.50	0.47	1.18	85.66
5.00	0.47	1.18	86.83
5.50	0.47	1.18	88.01
6.00	0.47	1.18	89.19
6.50	0.47	1.18	90.36
7.00	0.47	1.18	91.54
7.50	0.47	1.18	92.72
8.00	0.47	1.18	93.90
9.00	0.41	1.02	94.91
10.00	0.41	1.02	95.93
11.00	0.41	1.02	96.95
12.00	0.41	1.02	97.97
13.00	0.41	1.02	98.98
14.00	0.41	1.02	100.00

Post Analytical Weight : 40.01

Cruise : MAJORICA Station : 00271 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-2.44	-1.12	-0.44	0.84	2.38	3.85	9.08

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
17.34	67.14	9.42	6.10

FOLK VALUES :

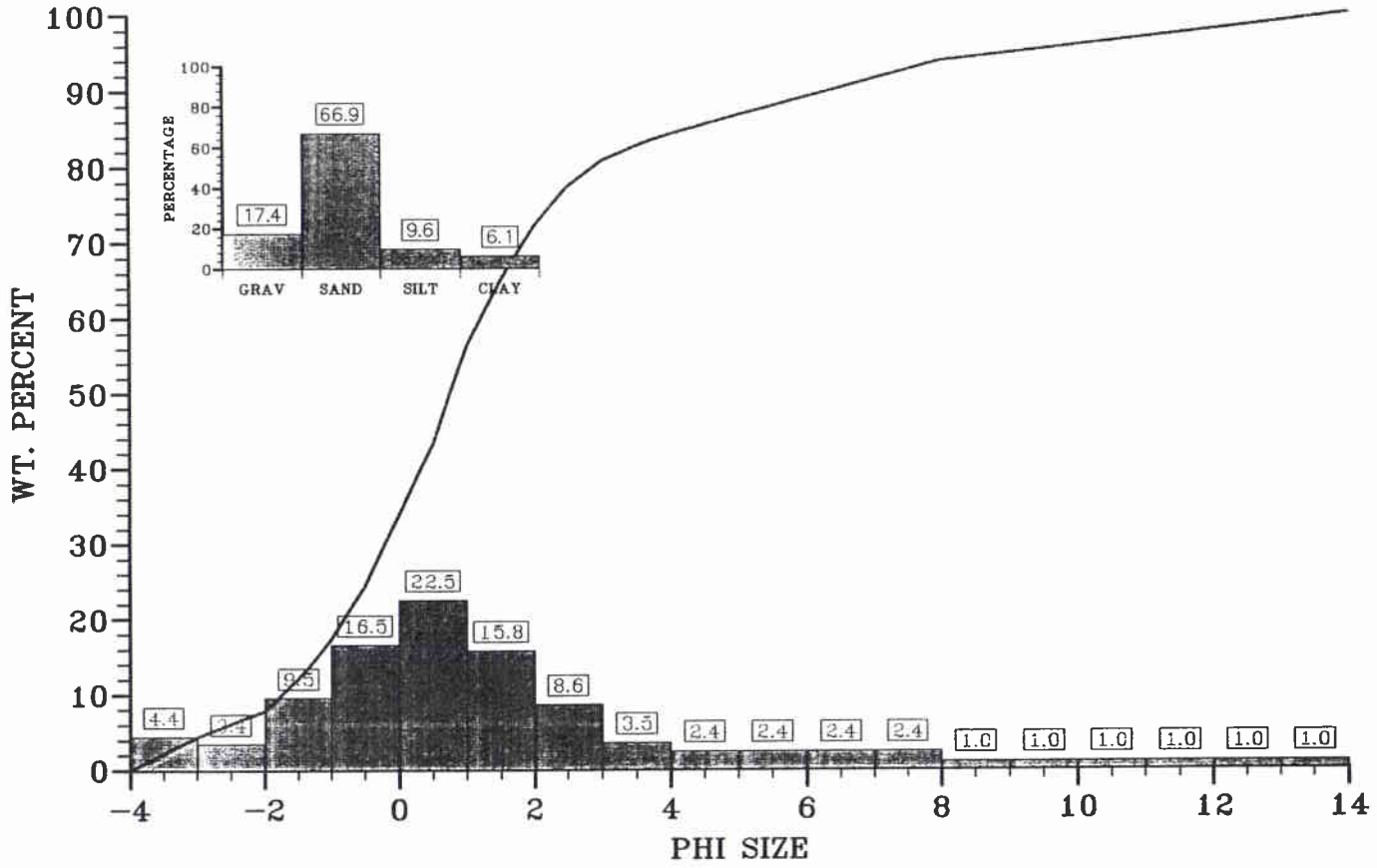
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.19	2.99	0.32	1.67	0.63

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.84	1.36	2.48	0.21	1.00	1.32

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00070



FOLK VALUES
MZ : 1.18
SD : 3.07
SK : 0.33
KG : 1.78
KG1 : 0.64

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17143903

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.44	1.10	1.10
-3.50	0.44	1.10	2.20
-3.25	0.44	1.10	3.30
-3.00	0.44	1.10	4.41
-2.75	0.35	0.86	5.27
-2.50	0.35	0.86	6.12
-2.25	0.35	0.86	6.98
-2.00	0.35	0.86	7.84
-1.75	0.87	2.15	9.99
-1.50	0.87	2.15	12.13
-1.25	1.06	2.62	14.76
-1.00	1.06	2.62	17.38
-0.75	1.41	3.51	20.89
-0.50	1.41	3.51	24.40
-0.25	1.92	4.76	29.16
0.00	1.92	4.76	33.92
0.25	1.90	4.71	38.63
0.50	1.90	4.71	43.35
0.75	2.64	6.54	49.89
1.00	2.64	6.54	56.43
1.25	1.75	4.35	60.78
1.50	1.75	4.33	65.11
1.75	1.43	3.54	68.65
2.00	1.43	3.54	72.19
2.25	1.05	2.61	74.79
2.50	1.05	2.61	77.40
2.75	0.68	1.69	79.09
3.00	0.68	1.69	80.78
3.25	0.39	0.97	81.75
3.50	0.39	0.97	82.72
3.75	0.32	0.79	83.51
4.00	0.32	0.79	84.29
4.50	0.48	1.20	85.49
5.00	0.48	1.20	86.69
5.50	0.48	1.20	87.89
6.00	0.48	1.20	89.09
6.50	0.48	1.20	90.29
7.00	0.48	1.20	91.48
7.50	0.48	1.20	92.68
8.00	0.48	1.20	93.88
9.00	0.41	1.02	94.90
10.00	0.41	1.02	95.92
11.00	0.41	1.02	96.94
12.00	0.41	1.02	97.96
13.00	0.41	1.02	98.98
14.00	0.41	1.02	100.00

Post Analytical Weight : 40.30

Cruise : MAJORICA Station : 00271 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-2.83	-1.13	-0.47	0.75	2.27	3.91	9.10

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
17.38	66.92	9.59	6.12

FOLK VALUES :

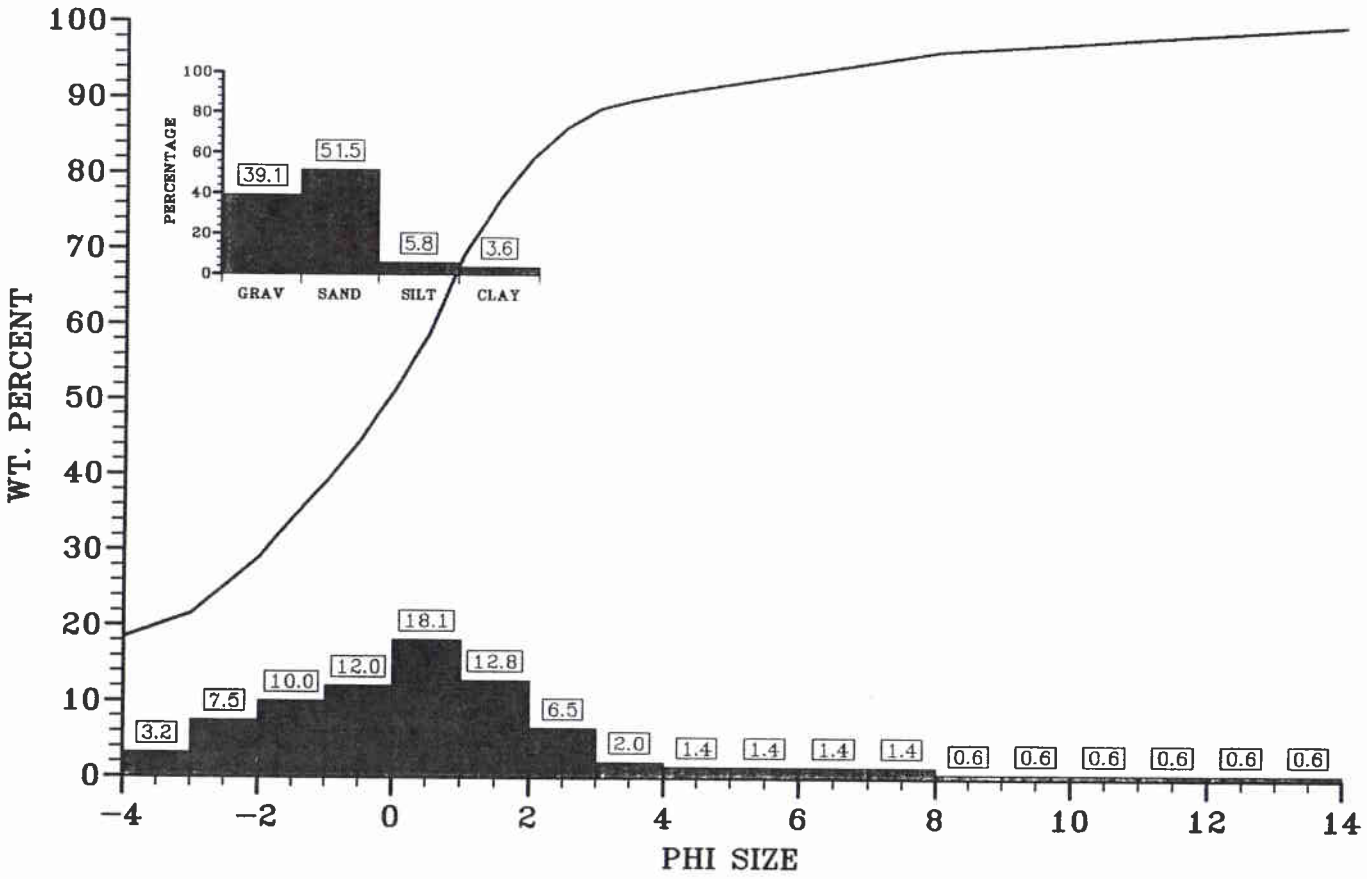
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.18	3.07	0.33	1.78	0.64

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.75	1.39	2.52	0.25	0.95	1.37

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00075



FOLK VALUES
MZ :−0.87
SD : 4.07
SK :−0.20
KG : 1.59
KG1 : 0.61

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152038

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	7.02	18.44	18.44
-3.75	0.30	0.79	19.23
-3.50	0.30	0.79	20.02
-3.25	0.30	0.79	20.81
-3.00	0.30	0.79	21.60
-2.75	0.71	1.87	23.47
-2.50	0.71	1.87	25.34
-2.25	0.71	1.87	27.21
-2.00	0.71	1.87	29.07
-1.75	1.01	2.66	31.73
-1.50	1.01	2.66	34.39
-1.25	0.89	2.35	36.74
-1.00	0.89	2.35	39.09
-0.75	1.04	2.74	41.83
-0.50	1.04	2.74	44.57
-0.25	1.25	3.28	47.85
0.00	1.25	3.28	51.14
0.25	1.45	3.80	54.94
0.50	1.45	3.80	58.74
0.75	2.01	5.27	64.01
1.00	2.01	5.27	69.28
1.25	1.34	3.51	72.79
1.50	1.34	3.51	76.30
1.75	1.10	2.89	79.20
2.00	1.10	2.89	82.09
2.25	0.75	1.98	84.07
2.50	0.75	1.98	86.06
2.75	0.48	1.26	87.31
3.00	0.48	1.26	88.57
3.25	0.22	0.59	89.16
3.50	0.22	0.59	89.75
3.75	0.16	0.43	90.18
4.00	0.16	0.43	90.61
4.50	0.28	0.72	91.34
5.00	0.28	0.72	92.06
5.50	0.28	0.72	92.78
6.00	0.28	0.72	93.50
6.50	0.28	0.72	94.23
7.00	0.28	0.72	94.95
7.50	0.28	0.72	95.67
8.00	0.28	0.72	96.39
9.00	0.23	0.60	96.99
10.00	0.23	0.60	97.59
11.00	0.23	0.60	98.20
12.00	0.23	0.60	98.80
13.00	0.23	0.60	99.40
14.00	0.23	0.60	100.00

Post Analytical Weight : 38.08

Cruise : MAJORICA Station : 00271 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-8.25	-4.77	-2.55	-0.09	1.41	2.24	7.04

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
39.09	51.53	5.78	3.61

FOLK VALUES :

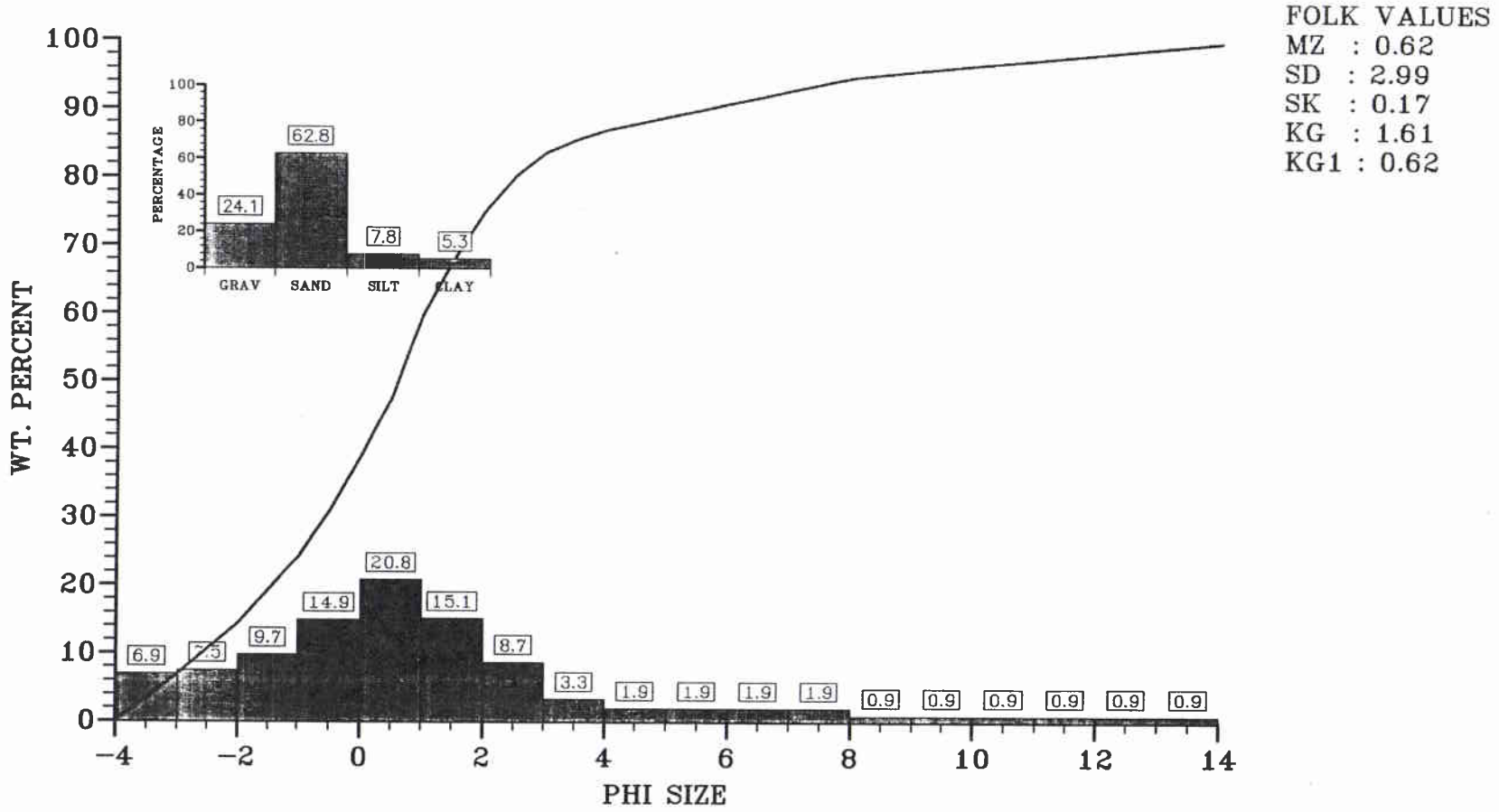
MEAN	ST.DEV	SKEW	KURT	N.KURT
-0.87	4.07	-0.20	1.59	0.61

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-0.09	-1.27	3.51	-0.34	-0.15	1.18

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00080



UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17143401

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00080
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.62	1.73	1.73
-3.50	0.62	1.73	3.45
-3.25	0.62	1.73	5.18
-3.00	0.62	1.73	6.91
-2.75	0.68	1.87	8.78
-2.50	0.68	1.87	10.65
-2.25	0.68	1.87	12.51
-2.00	0.68	1.87	14.38
-1.75	0.90	2.50	16.88
-1.50	0.90	2.50	19.38
-1.25	0.86	2.37	21.74
-1.00	0.86	2.37	24.11
-0.75	1.24	3.44	27.55
-0.50	1.24	3.44	30.98
-0.25	1.45	4.01	34.99
0.00	1.45	4.01	39.01
0.25	1.55	4.29	43.30
0.50	1.55	4.29	47.58
0.75	2.21	6.12	53.70
1.00	2.21	6.12	59.82
1.25	1.47	4.06	63.88
1.50	1.47	4.06	67.94
1.75	1.26	3.49	71.43
2.00	1.26	3.49	74.92
2.25	0.95	2.63	77.55
2.50	0.95	2.63	80.17
2.75	0.62	1.72	81.89
3.00	0.62	1.72	83.61
3.25	0.34	0.94	84.55
3.50	0.34	0.94	85.48
3.75	0.26	0.72	86.20
4.00	0.26	0.72	86.92
4.50	0.35	0.97	87.90
5.00	0.35	0.97	88.87
5.50	0.35	0.97	89.85
6.00	0.35	0.97	90.82
6.50	0.35	0.97	91.80
7.00	0.35	0.97	92.77
7.50	0.35	0.97	93.74
8.00	0.35	0.97	94.72
9.00	0.32	0.88	95.60
10.00	0.32	0.88	96.48
11.00	0.32	0.88	97.36
12.00	0.32	0.88	98.24
13.00	0.32	0.88	99.12
14.00	0.32	0.88	100.00

Post Analytical Weight : 36.13

Cruise : MAJORICA Station : 00271 Sample : 00080
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.28	-1.84	-0.94	0.60	2.01	3.10	8.32

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
24.11	62.81	7.79	5.28

FOLK VALUES :

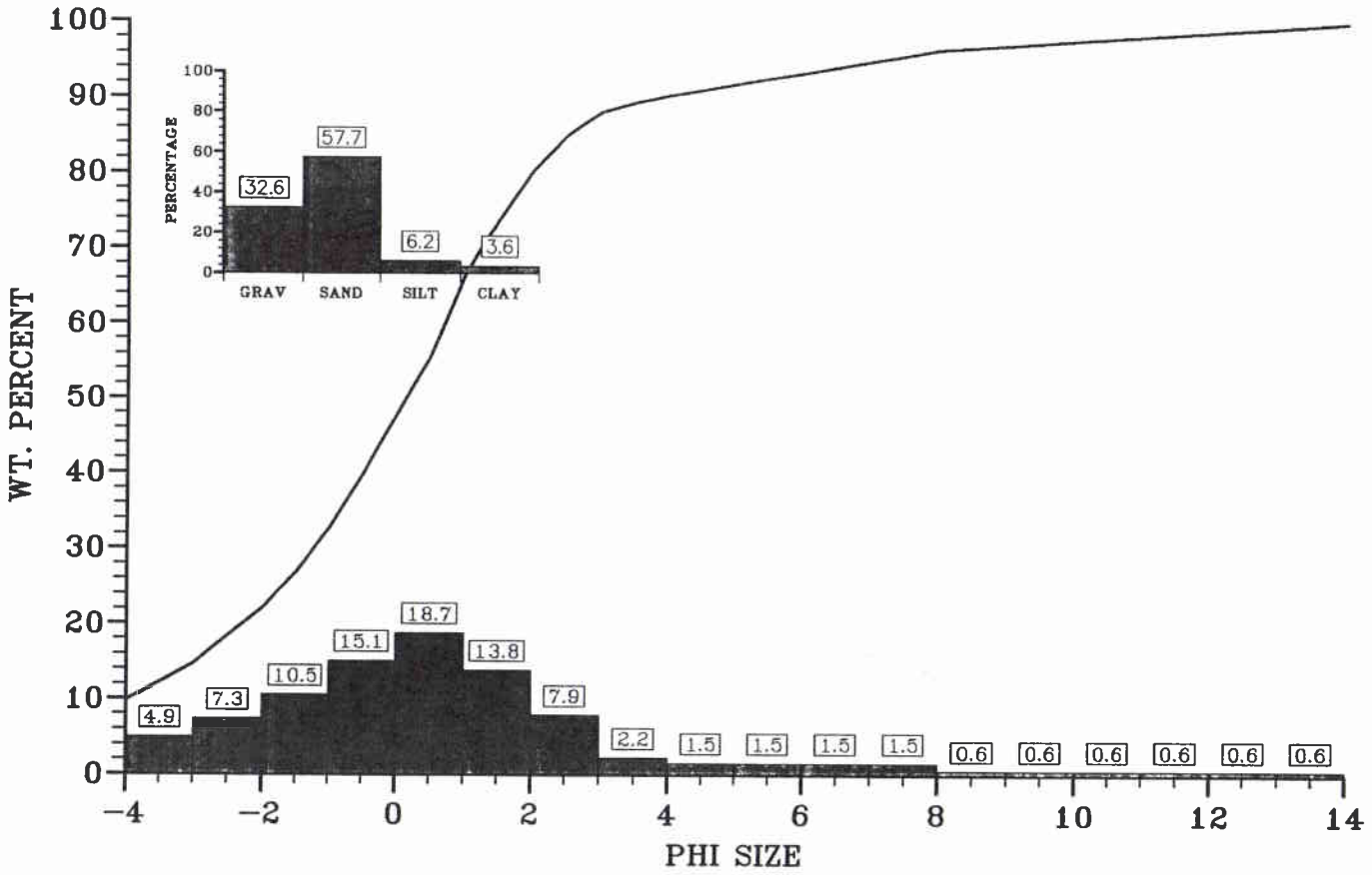
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.62	2.99	0.17	1.61	0.62

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.60	0.63	2.47	0.01	0.78	1.35

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00085



FOLK VALUES
MZ :−0.09
SD : 3.13
SK : 0.01
KG : 1.50
KG1 : 0.60

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152120

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00085
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	4.33	9.76	9.76
-3.75	0.55	1.23	10.99
-3.50	0.55	1.23	12.23
-3.25	0.55	1.23	13.46
-3.00	0.55	1.23	14.70
-2.75	0.81	1.84	16.53
-2.50	0.81	1.84	18.37
-2.25	0.81	1.84	20.21
-2.00	0.81	1.84	22.04
-1.75	1.07	2.40	24.45
-1.50	1.07	2.40	26.85
-1.25	1.27	2.87	29.72
-1.00	1.27	2.87	32.58
-0.75	1.57	3.54	36.13
-0.50	1.57	3.54	39.67
-0.25	1.77	3.98	43.65
0.00	1.77	3.98	47.63
0.25	1.77	3.98	51.61
0.50	1.77	3.98	55.59
0.75	2.39	5.39	60.99
1.00	2.39	5.39	66.38
1.25	1.63	3.68	70.06
1.50	1.63	3.68	73.73
1.75	1.43	3.23	76.96
2.00	1.43	3.23	80.20
2.25	1.04	2.35	82.55
2.50	1.04	2.35	84.90
2.75	0.70	1.57	86.48
3.00	0.70	1.57	88.05
3.25	0.29	0.64	88.69
3.50	0.29	0.64	89.34
3.75	0.20	0.46	89.79
4.00	0.20	0.46	90.25
4.50	0.34	0.77	91.02
5.00	0.34	0.77	91.79
5.50	0.34	0.77	92.57
6.00	0.34	0.77	93.34
6.50	0.34	0.77	94.11
7.00	0.34	0.77	94.89
7.50	0.34	0.77	95.66
8.00	0.34	0.77	96.43
9.00	0.26	0.59	97.03
10.00	0.26	0.59	97.62
11.00	0.26	0.59	98.22
12.00	0.26	0.59	98.81
13.00	0.26	0.59	99.41
14.00	0.26	0.59	100.00

Post Analytical Weight : 44.38

Cruise : MAJORICA Station : 00271 Sample : 00085
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.96	-2.82	-1.69	0.15	1.60	2.40	7.07

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
32.58	57.67	6.18	3.57

FOLK VALUES :

MEAN	ST.DEV	SKEW	KURT	N.KURT
-0.09	3.13	0.01	1.50	0.60

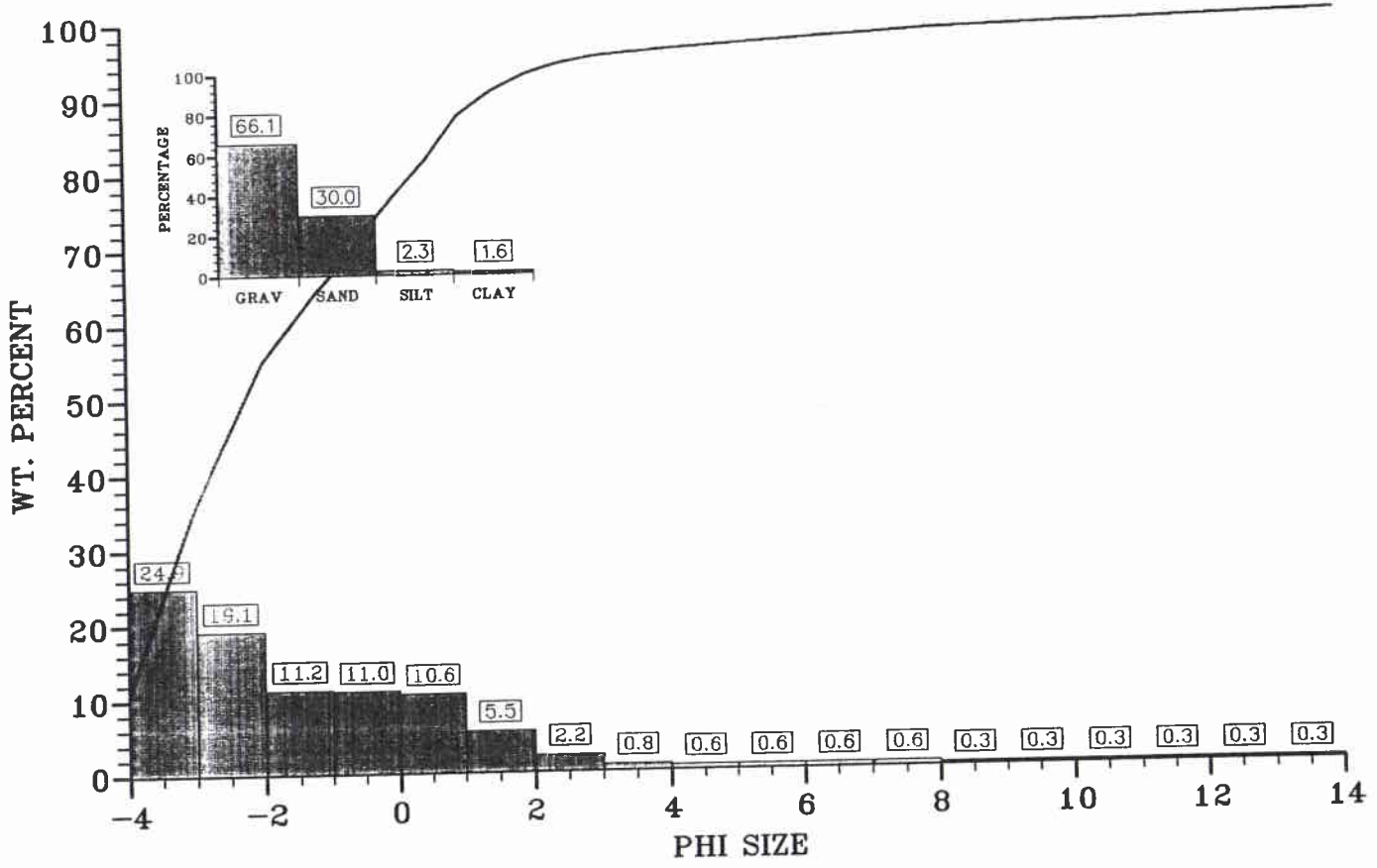
INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.15	-0.21	2.61	-0.14	0.35	1.30

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00271 SAMPLE : 00090

FOLK VALUES
MZ :-1.79
SD : 2.19
SK : 0.38
KG : 0.89
KG1 : 0.47



UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17151733

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00271 Sample : 00090
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-4.00	5.15	11.01	11.01
-3.75	2.91	6.21	17.22
-3.50	2.91	6.21	23.44
-3.25	2.91	6.21	29.65
-3.00	2.91	6.21	35.86
-2.75	2.23	4.77	40.63
-2.50	2.23	4.77	45.40
-2.25	2.23	4.77	50.17
-2.00	2.23	4.77	54.94
-1.75	1.42	3.03	57.97
-1.50	1.42	3.03	61.00
-1.25	1.20	2.56	63.55
-1.00	1.20	2.56	66.11
-0.75	1.29	2.76	68.87
-0.50	1.29	2.76	71.63
-0.25	1.28	2.73	74.36
0.00	1.28	2.73	77.09
0.25	1.12	2.40	79.49
0.50	1.12	2.40	81.89
0.75	1.35	2.88	84.77
1.00	1.35	2.88	87.64
1.25	0.75	1.61	89.25
1.50	0.75	1.61	90.86
1.75	0.53	1.13	91.99
2.00	0.53	1.13	93.12
2.25	0.32	0.69	93.81
2.50	0.32	0.69	94.49
2.75	0.19	0.41	94.90
3.00	0.19	0.41	95.31
3.25	0.10	0.21	95.52
3.50	0.10	0.21	95.73
3.75	0.09	0.19	95.93
4.00	0.09	0.19	96.12
4.50	0.13	0.28	96.41
5.00	0.13	0.28	96.69
5.50	0.13	0.28	96.98
6.00	0.13	0.28	97.26
6.50	0.13	0.28	97.54
7.00	0.13	0.28	97.83
7.50	0.13	0.28	98.11
8.00	0.13	0.28	98.40
9.00	0.13	0.27	98.66
10.00	0.13	0.27	98.93
11.00	0.13	0.27	99.20
12.00	0.13	0.27	99.47
13.00	0.13	0.27	99.73
14.00	0.13	0.27	100.00

Post Analytical Weight : 46.79

Cruise : MAJORICA Station : 00271 Sample : 00090
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-4.24	-3.80	-3.44	-2.26	-0.19	0.68	2.81

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
66.11	30.01	2.27	1.60

FOLK VALUES :

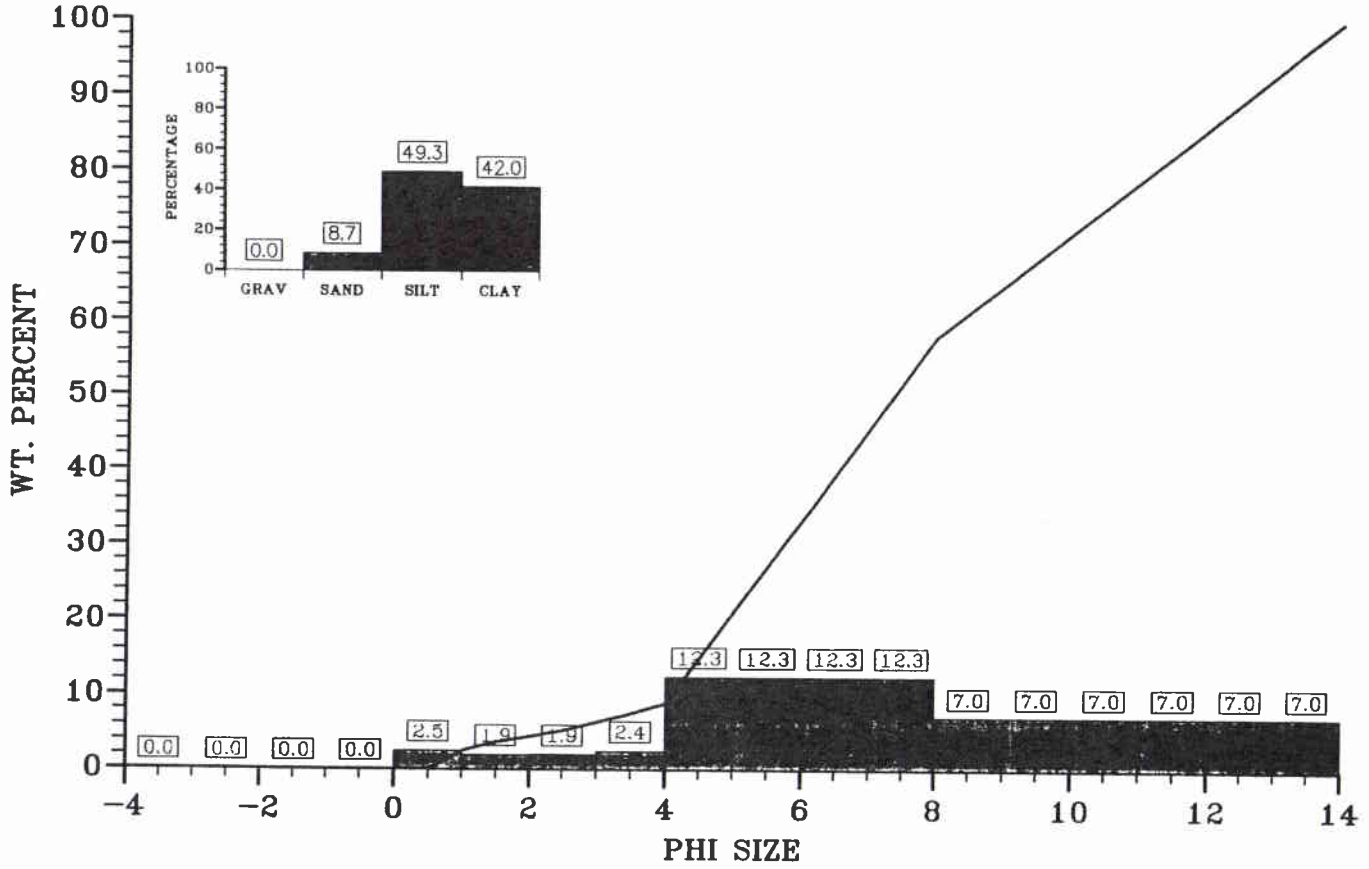
MEAN	ST.DEV	SKEW	KURT	N.KURT
-1.79	2.19	0.38	0.89	0.47

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
-2.26	-1.56	2.24	0.31	0.69	0.57

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00001



FOLK VALUES
MZ : 7.89
SD : 3.43
SK : 0.16
KG : 0.87
KG1 : 0.47

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17161624

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00001
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
0.75	0.16	1.23	1.23
1.00	0.16	1.23	2.46
1.25	0.07	0.56	3.02
1.50	0.07	0.56	3.58
1.75	0.05	0.39	3.97
2.00	0.05	0.39	4.36
2.25	0.05	0.39	4.76
2.50	0.05	0.39	5.15
2.75	0.08	0.58	5.72
3.00	0.08	0.58	6.30
3.25	0.08	0.58	6.88
3.50	0.08	0.58	7.47
3.75	0.08	0.62	8.09
4.00	0.08	0.62	8.71
4.50	0.80	6.16	14.87
5.00	0.80	6.16	21.04
5.50	0.80	6.16	27.20
6.00	0.80	6.16	33.36
6.50	0.80	6.16	39.52
7.00	0.80	6.16	45.68
7.50	0.80	6.16	51.84
8.00	0.80	6.16	58.01
9.00	0.91	7.00	65.00
10.00	0.91	7.00	72.00
11.00	0.91	7.00	79.00
12.00	0.91	7.00	86.00
13.00	0.91	7.00	93.00
14.00	0.91	7.00	100.00

Post Analytical Weight : 13.02

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
2.41	4.59	5.32	7.35	10.43	11.71	13.29

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
0.00	8.71	49.29	41.99

FOLK VALUES :

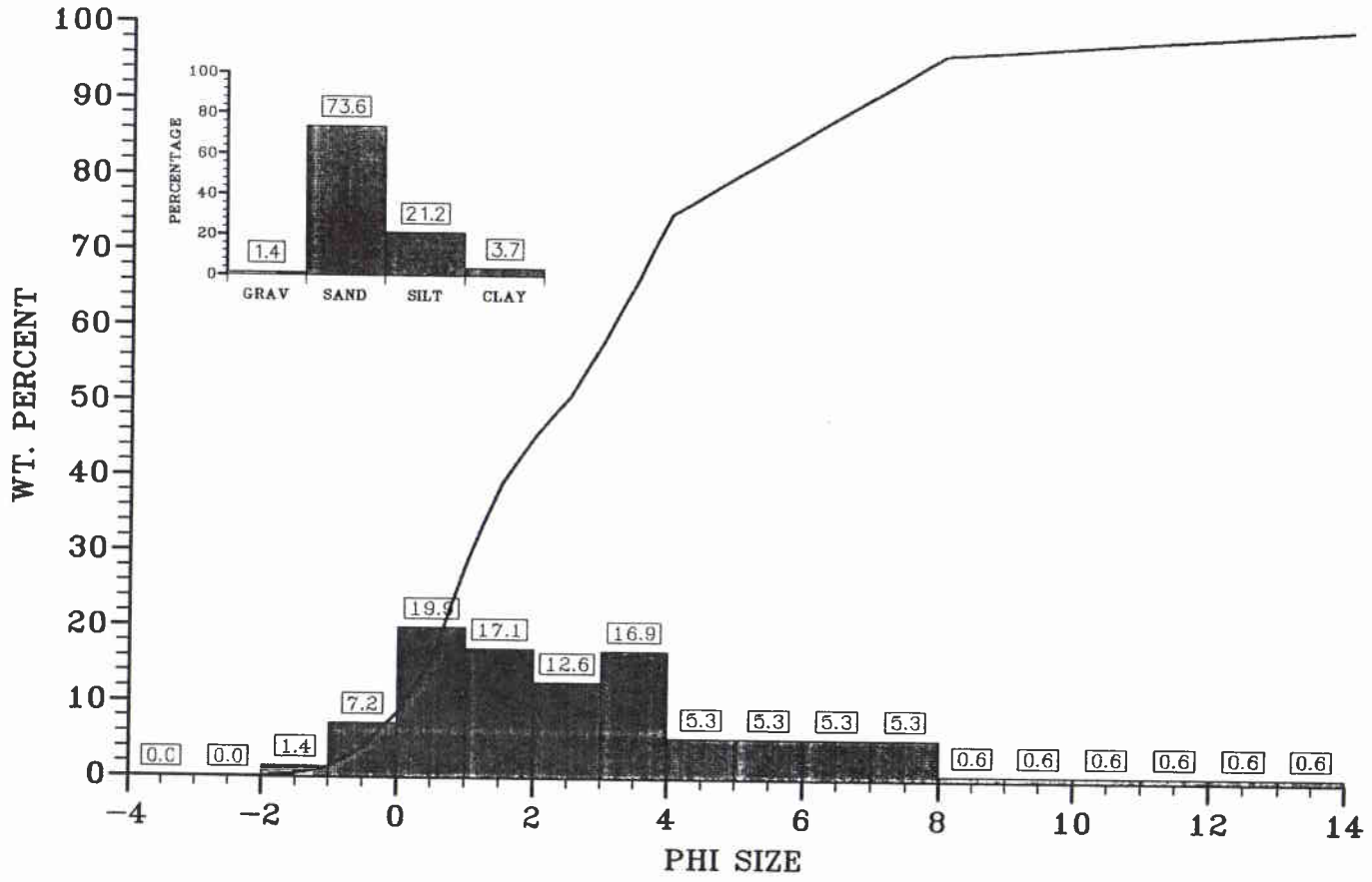
MEAN	ST.DEV	SKEW	KURT	N.KURT
7.89	3.43	0.16	0.87	0.47

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
7.35	8.15	3.56	0.23	0.14	0.53

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00005



FOLK VALUES
MZ : 2.88
SD : 2.53
SK : 0.28
KG : 1.07
KG1 : 0.52

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17161744

Cruise : MAJORICA Station : 00272 Sample : 00005
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.06	0.21	0.21
-1.50	0.06	0.21	0.41
-1.25	0.13	0.48	0.90
-1.00	0.13	0.48	1.38
-0.75	0.34	1.25	2.63
-0.50	0.34	1.25	3.88
-0.25	0.65	2.34	6.22
0.00	0.65	2.34	8.55
0.25	0.95	3.46	12.01
0.50	0.95	3.46	15.46
0.75	1.79	6.48	21.95
1.00	1.79	6.48	28.43
1.25	1.47	5.33	33.76
1.50	1.47	5.33	39.08
1.75	0.89	3.22	42.30
2.00	0.89	3.22	45.52
2.25	0.71	2.58	48.10
2.50	0.71	2.58	50.68
2.75	1.03	3.74	54.42
3.00	1.03	3.74	58.17
3.25	1.11	4.02	62.19
3.50	1.11	4.02	66.21
3.75	1.22	4.41	70.62
4.00	1.22	4.41	75.02
4.50	0.73	2.66	77.68
5.00	0.73	2.66	80.33
5.50	0.73	2.66	82.99
6.00	0.73	2.66	85.64
6.50	0.73	2.66	88.30
7.00	0.73	2.66	90.96
7.50	0.73	2.66	93.61
8.00	0.73	2.66	96.27
9.00	0.17	0.62	96.89
10.00	0.17	0.62	97.51
11.00	0.17	0.62	98.13
12.00	0.17	0.62	98.76
13.00	0.17	0.62	99.38
14.00	0.17	0.62	100.00

Post Analytical Weight : 27.64

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.38	0.52	0.87	2.43	4.00	5.69	7.76

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
1.38	73.64	21.24	3.73

FOLK VALUES :

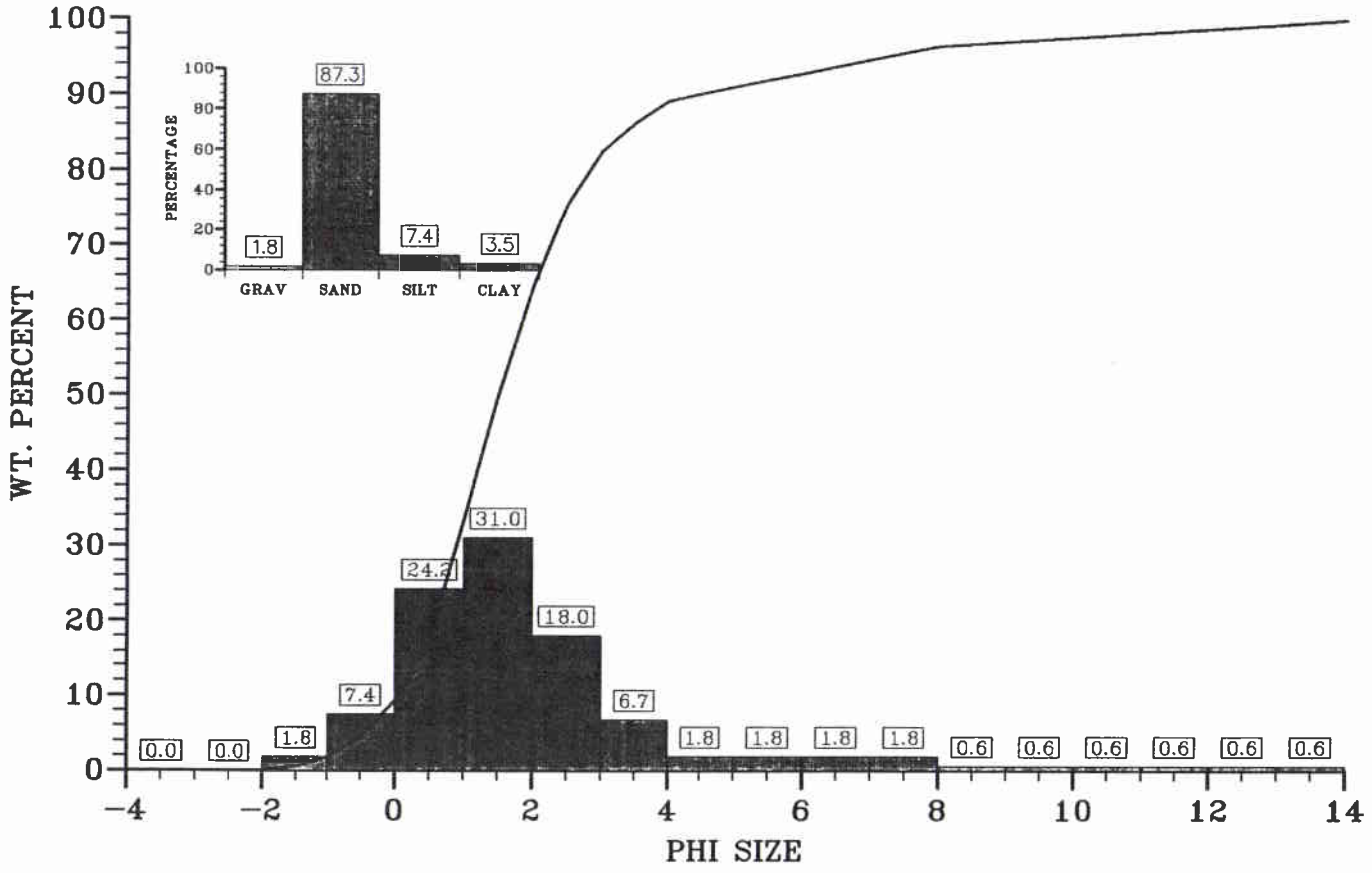
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.88	2.53	0.28	1.07	0.52

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.43	3.11	2.58	0.26	0.49	0.57

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00010



FOLK VALUES
MZ : 1.71
SD : 1.85
SK : 0.36
KG : 1.79
KG1 : 0.64

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152213

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00010
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.08	0.30	0.30
-1.50	0.08	0.30	0.60
-1.25	0.17	0.60	1.19
-1.00	0.17	0.60	1.79
-0.75	0.37	1.32	3.11
-0.50	0.37	1.32	4.43
-0.25	0.67	2.40	6.83
0.00	0.67	2.40	9.22
0.25	1.11	4.00	13.22
0.50	1.11	4.00	17.22
0.75	2.25	8.11	25.32
1.00	2.25	8.11	33.43
1.25	2.29	8.23	41.66
1.50	2.29	8.23	49.88
1.75	2.02	7.27	57.15
2.00	2.02	7.27	64.42
2.25	1.53	5.50	69.92
2.50	1.53	5.50	75.43
2.75	0.97	3.50	78.93
3.00	0.97	3.50	82.43
3.25	0.52	1.89	84.32
3.50	0.52	1.89	86.21
3.75	0.41	1.46	87.67
4.00	0.41	1.46	89.13
4.50	0.26	0.92	90.05
5.00	0.26	0.92	90.98
5.50	0.26	0.92	91.90
6.00	0.26	0.92	92.83
6.50	0.26	0.92	93.75
7.00	0.26	0.92	94.68
7.50	0.26	0.92	95.60
8.00	0.26	0.92	96.52
9.00	0.16	0.58	97.10
10.00	0.16	0.58	97.68
11.00	0.16	0.58	98.26
12.00	0.16	0.58	98.84
13.00	0.16	0.58	99.42
14.00	0.16	0.58	100.00

Post Analytical Weight : 27.80

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.44	0.42	0.74	1.50	2.48	3.21	7.18

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
1.79	87.34	7.40	3.48

FOLK VALUES :

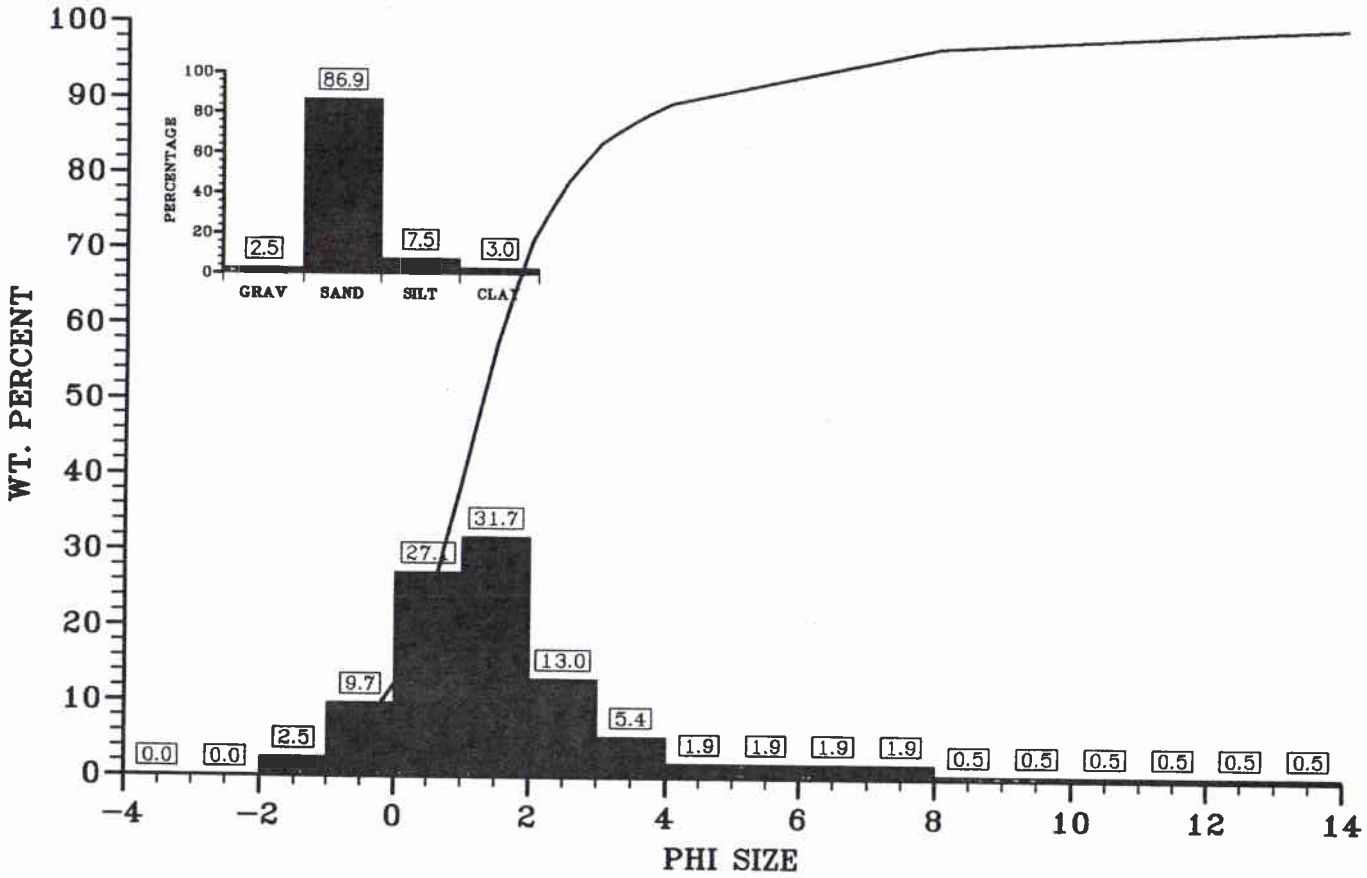
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.71	1.85	0.36	1.79	0.64

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.50	1.82	1.39	0.22	1.34	1.74

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00015



FOLK VALUES
MZ : 1.49
SD : 1.85
SK : 0.35
KG : 1.86
KG1 : 0.65

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105161013

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00015
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.08	0.28	0.28
-1.50	0.08	0.28	0.57
-1.25	0.26	0.98	1.54
-1.00	0.26	0.98	2.52
-0.75	0.44	1.65	4.17
-0.50	0.44	1.65	5.81
-0.25	0.86	3.23	9.04
0.00	0.86	3.23	12.27
0.25	1.30	4.88	17.14
0.50	1.30	4.88	22.02
0.75	2.32	8.69	30.70
1.00	2.32	8.69	39.39
1.25	2.42	9.05	48.44
1.50	2.42	9.05	57.49
1.75	1.82	6.81	64.30
2.00	1.82	6.81	71.11
2.25	1.04	3.88	74.99
2.50	1.04	3.88	78.86
2.75	0.70	2.62	81.48
3.00	0.70	2.62	84.10
3.25	0.40	1.51	85.61
3.50	0.40	1.51	87.11
3.75	0.31	1.17	88.28
4.00	0.31	1.17	89.45
4.50	0.25	0.94	90.40
5.00	0.25	0.94	91.34
5.50	0.25	0.94	92.28
6.00	0.25	0.94	93.22
6.50	0.25	0.94	94.17
7.00	0.25	0.94	95.11
7.50	0.25	0.94	96.05
8.00	0.25	0.94	96.99
9.00	0.13	0.50	97.49
10.00	0.13	0.50	98.00
11.00	0.13	0.50	98.50
12.00	0.13	0.50	99.00
13.00	0.13	0.50	99.50
14.00	0.13	0.50	100.00

Post Analytical Weight : 26.74

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.62	0.19	0.59	1.29	2.25	2.99	6.94

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
2.52	86.93	7.54	3.01

FOLK VALUES :

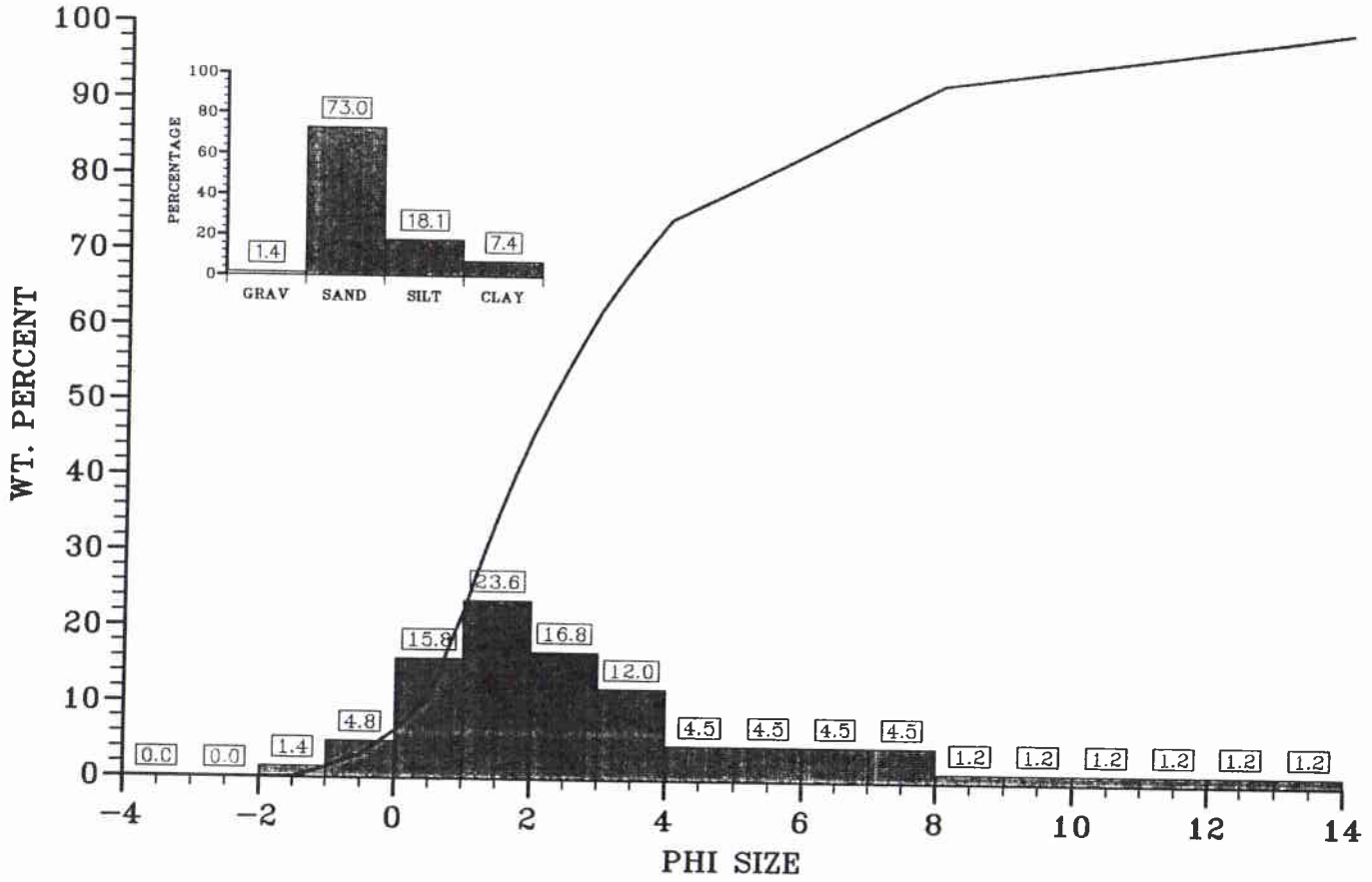
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.49	1.85	0.35	1.86	0.65

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.29	1.59	1.40	0.21	1.33	1.70

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00020



FOLK VALUES
MZ : 3.03
SD : 2.88
SK : 0.48
KG : 1.39
KG1 : 0.58

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17162216

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00020
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.25	0.22	0.71	0.71
-1.00	0.22	0.71	1.41
-0.75	0.26	0.83	2.24
-0.50	0.26	0.83	3.07
-0.25	0.50	1.59	4.66
0.00	0.50	1.59	6.26
0.25	0.70	2.23	8.48
0.50	0.70	2.23	10.71
0.75	1.79	5.68	16.39
1.00	1.79	5.68	22.07
1.25	2.01	6.40	28.47
1.50	2.01	6.40	34.87
1.75	1.70	5.40	40.27
2.00	1.70	5.40	45.67
2.25	1.40	4.44	50.11
2.50	1.40	4.44	54.56
2.75	1.24	3.95	58.50
3.00	1.24	3.95	62.45
3.25	0.98	3.12	65.57
3.50	0.98	3.12	68.70
3.75	0.90	2.88	71.58
4.00	0.90	2.88	74.46
4.50	0.71	2.26	76.72
5.00	0.71	2.26	78.98
5.50	0.71	2.26	81.24
6.00	0.71	2.26	83.51
6.50	0.71	2.26	85.77
7.00	0.71	2.26	88.03
7.50	0.71	2.26	90.29
8.00	0.71	2.26	92.55
9.00	0.39	1.24	93.80
10.00	0.39	1.24	95.04
11.00	0.39	1.24	96.28
12.00	0.39	1.24	97.52
13.00	0.39	1.24	98.76
14.00	0.39	1.24	100.00

Post Analytical Weight : 31.43

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.20	0.73	1.11	2.24	4.12	6.11	9.97

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
1.41	73.04	18.10	7.45

FOLK VALUES :

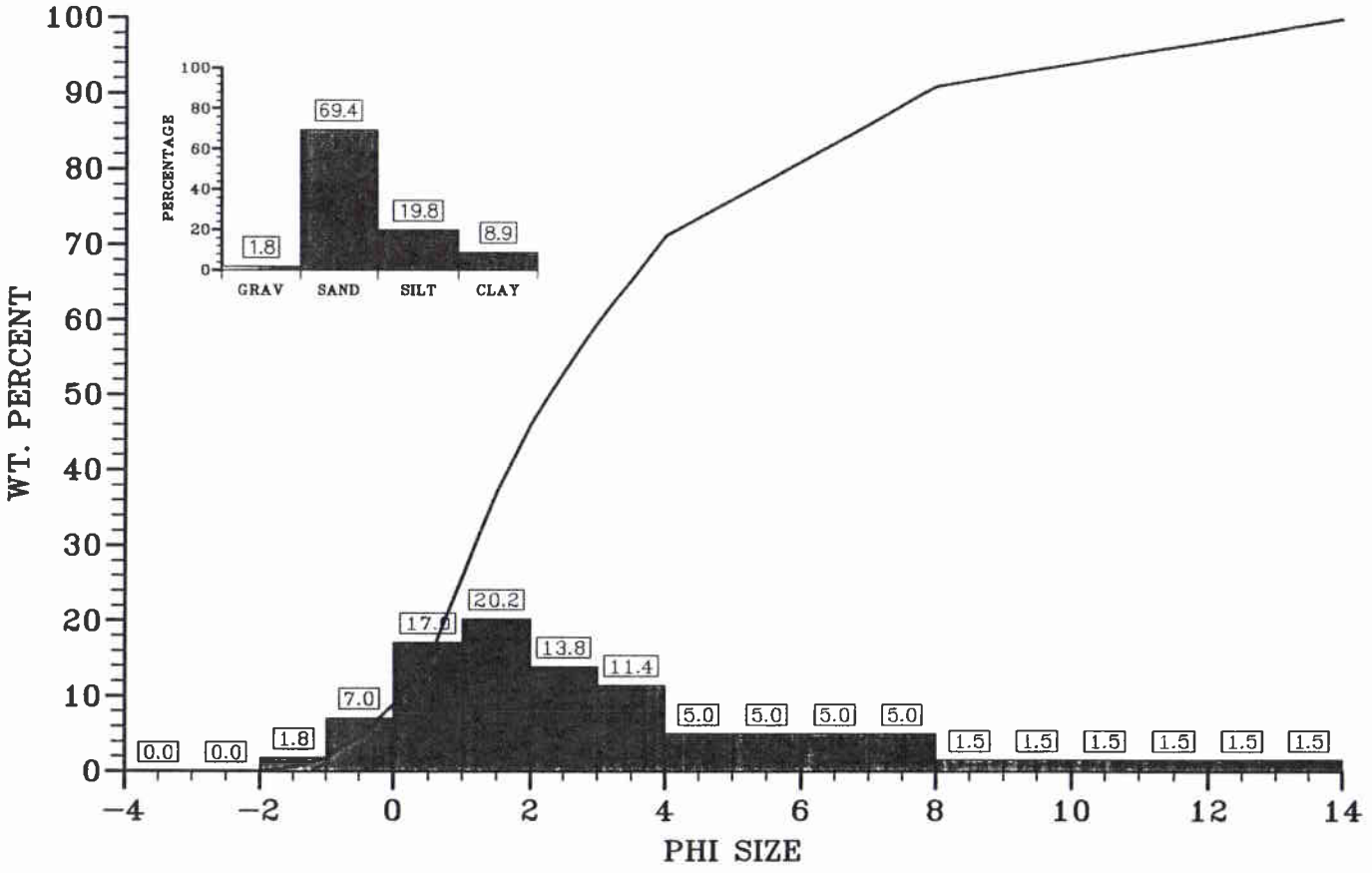
MEAN	ST.DEV	SKEW	KURT	N.KURT
3.03	2.88	0.48	1.39	0.58

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.24	3.42	2.69	0.44	0.98	0.89

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00025



FOLK VALUES
MZ : 3.14
SD : 3.18
SK : 0.47
KG : 1.20
KG1 : 0.54

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152319

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00025
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.09	0.25	0.25
-1.50	0.09	0.25	0.51
-1.25	0.22	0.64	1.15
-1.00	0.22	0.64	1.80
-0.75	0.45	1.36	3.15
-0.50	0.45	1.36	4.51
-0.25	0.73	2.16	6.67
0.00	0.73	2.16	8.84
0.25	0.97	2.89	11.73
0.50	0.97	2.89	14.61
0.75	1.88	5.63	20.24
1.00	1.88	5.63	25.87
1.25	1.89	5.66	31.53
1.50	1.89	5.66	37.18
1.75	1.48	4.43	41.61
2.00	1.48	4.43	46.04
2.25	1.17	3.48	49.52
2.50	1.17	3.48	53.00
2.75	1.15	3.42	56.43
3.00	1.15	3.42	59.85
3.25	0.96	2.85	62.70
3.50	0.96	2.85	65.56
3.75	0.95	2.83	68.39
4.00	0.95	2.83	71.22
4.50	0.83	2.48	73.70
5.00	0.83	2.48	76.18
5.50	0.83	2.48	78.66
6.00	0.83	2.48	81.14
6.50	0.83	2.48	83.62
7.00	0.83	2.48	86.10
7.50	0.83	2.48	88.58
8.00	0.83	2.48	91.06
9.00	0.50	1.49	92.55
10.00	0.50	1.49	94.04
11.00	0.50	1.49	95.53
12.00	0.50	1.49	97.02
13.00	0.50	1.49	98.51
14.00	0.50	1.49	100.00

Post Analytical Weight : 33.50

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.44	0.56	0.96	2.28	4.76	6.58	10.64

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
1.80	69.42	19.84	8.94

FOLK VALUES :

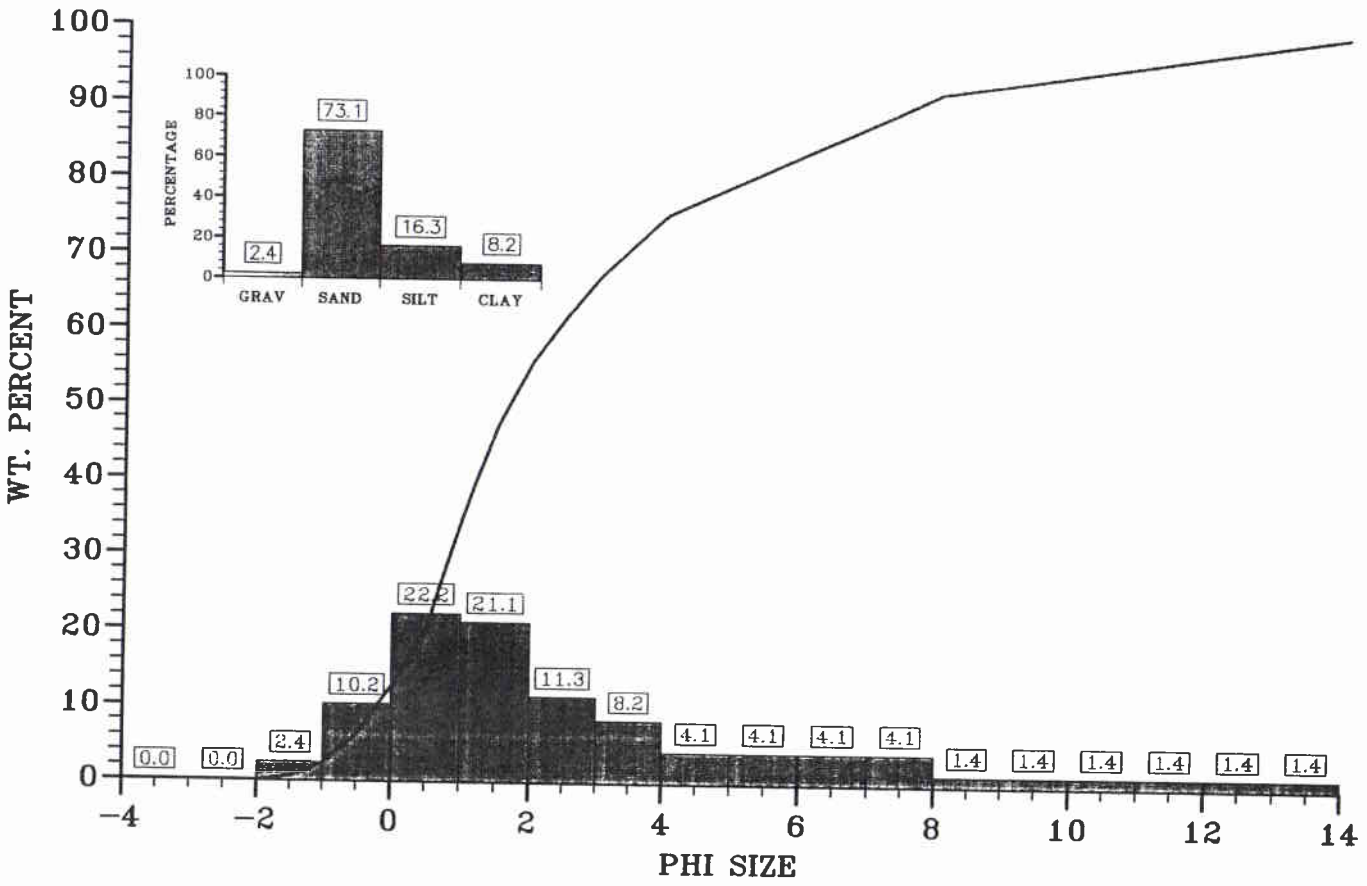
MEAN	ST.DEV	SKEW	KURT	N.KURT
3.14	3.18	0.47	1.20	0.54

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.28	3.57	3.01	0.43	0.94	0.84

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00030



FOLK VALUES
MZ : 2.65
SD : 3.13
SK : 0.54
KG : 1.37
KG1 : 0.58

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17162511

Cruise : MAJORICA Station : 00272 Sample : 00030
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.09	0.26	0.26
-1.50	0.09	0.26	0.53
-1.25	0.32	0.92	1.45
-1.00	0.32	0.92	2.38
-0.75	0.67	1.89	4.27
-0.50	0.67	1.89	6.16
-0.25	1.13	3.22	9.38
0.00	1.13	3.22	12.60
0.25	1.35	3.83	16.42
0.50	1.35	3.83	20.25
0.75	2.56	7.28	27.53
1.00	2.56	7.28	34.82
1.25	2.19	6.23	41.05
1.50	2.19	6.23	47.28
1.75	1.52	4.33	51.60
2.00	1.52	4.33	55.93
2.25	1.06	3.02	58.95
2.50	1.06	3.02	61.97
2.75	0.93	2.65	64.62
3.00	0.93	2.65	67.27
3.25	0.72	2.06	69.32
3.50	0.72	2.06	71.38
3.75	0.72	2.06	73.44
4.00	0.72	2.06	75.49
4.50	0.72	2.04	77.54
5.00	0.72	2.04	79.58
5.50	0.72	2.04	81.62
6.00	0.72	2.04	83.66
6.50	0.72	2.04	85.70
7.00	0.72	2.04	87.74
7.50	0.72	2.04	89.79
8.00	0.72	2.04	91.83
9.00	0.48	1.36	93.19
10.00	0.48	1.36	94.55
11.00	0.48	1.36	95.91
12.00	0.48	1.36	97.28
13.00	0.48	1.36	98.64
14.00	0.48	1.36	100.00

Post Analytical Weight : 35.17

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.65	0.22	0.66	1.66	3.94	6.08	10.33

PERCENTAGE OF :

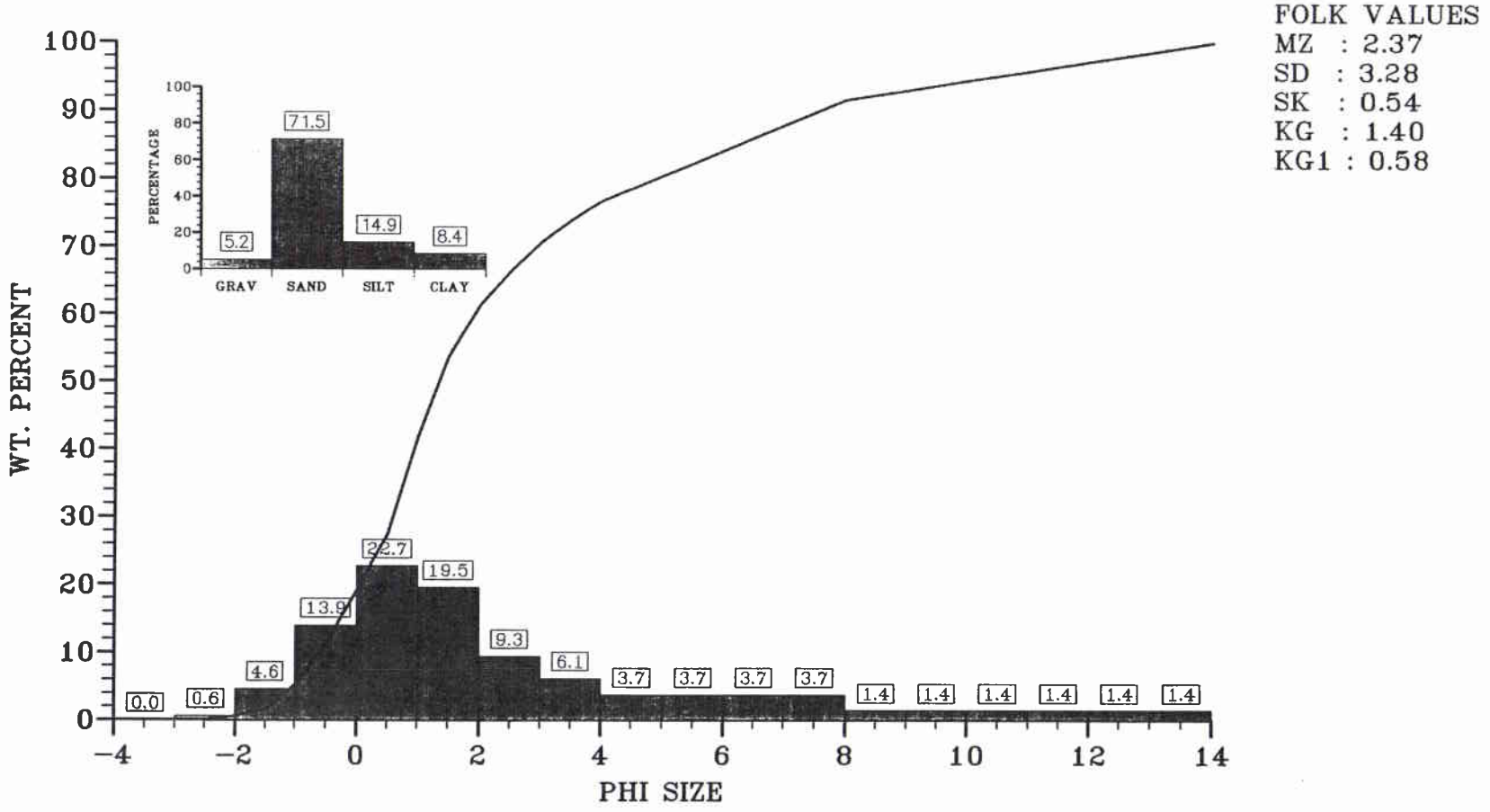
GRAVEL	SAND	SILT	CLAY
2.38	73.12	16.33	8.17

FOLK VALUES :

MEAN	ST.DEV	SKEW	KURT	N.KURT
2.65	3.13	0.54	1.37	0.58

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00035



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152347

Cruise : MAJORICA Station : 00272 Sample : 00035
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.10	0.30	0.30
-2.00	0.10	0.30	0.60
-1.75	0.16	0.46	1.06
-1.50	0.16	0.46	1.53
-1.25	0.64	1.82	3.34
-1.00	0.64	1.82	5.16
-0.75	1.06	3.03	8.19
-0.50	1.06	3.03	11.21
-0.25	1.38	3.93	15.15
0.00	1.38	3.93	19.08
0.25	1.46	4.18	23.25
0.50	1.46	4.18	27.43
0.75	2.51	7.17	34.59
1.00	2.51	7.17	41.76
1.25	2.09	5.96	47.72
1.50	2.09	5.96	53.68
1.75	1.33	3.80	57.48
2.00	1.33	3.80	61.28
2.25	0.88	2.51	63.79
2.50	0.88	2.51	66.29
2.75	0.76	2.16	68.46
3.00	0.76	2.16	70.62
3.25	0.56	1.61	72.23
3.50	0.56	1.61	73.83
3.75	0.50	1.43	75.27
4.00	0.50	1.43	76.70
4.50	0.65	1.86	78.55
5.00	0.65	1.86	80.41
5.50	0.65	1.86	82.27
6.00	0.65	1.86	84.12
6.50	0.65	1.86	85.98
7.00	0.65	1.86	87.84
7.50	0.65	1.86	89.69
8.00	0.65	1.86	91.55
9.00	0.49	1.41	92.96
10.00	0.49	1.41	94.37
11.00	0.49	1.41	95.78
12.00	0.49	1.41	97.18
13.00	0.49	1.41	98.59
14.00	0.49	1.41	100.00

Post Analytical Weight : 35.01

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.02	-0.20	0.35	1.35	3.70	5.97	10.45

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
5.16	71.53	14.85	8.45

FOLK VALUES :

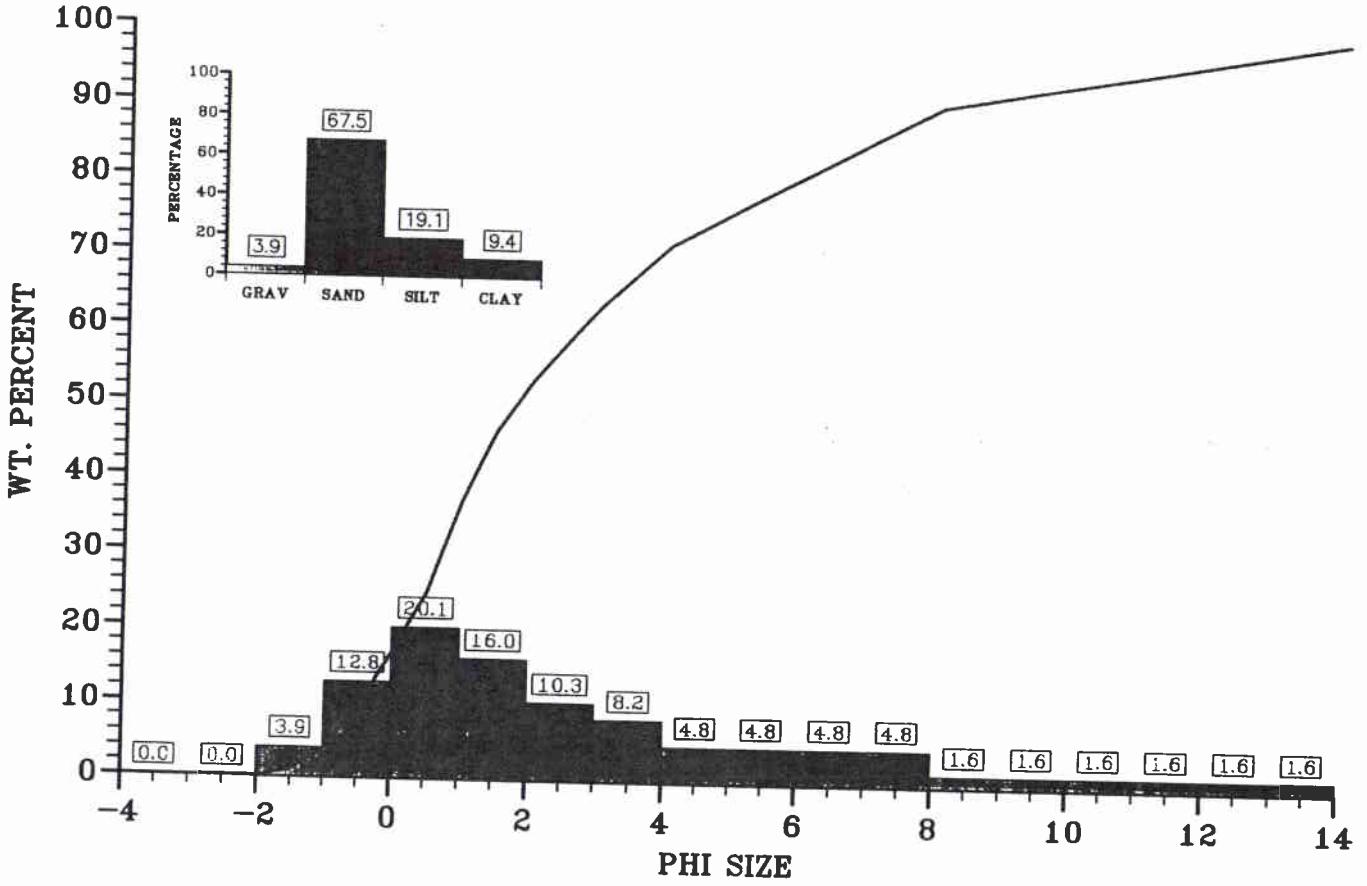
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.37	3.28	0.54	1.40	0.58

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.35	2.89	3.08	0.50	1.09	0.86

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00040



FOLK VALUES
MZ : 2.78
SD : 3.44
SK : 0.50
KG : 1.13
KG1 : 0.53

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17162652

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00040
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-1.75	0.18	0.50	0.50
-1.50	0.18	0.50	1.00
-1.25	0.54	1.46	2.46
-1.00	0.54	1.46	3.93
-0.75	0.99	2.71	6.64
-0.50	0.99	2.71	9.35
-0.25	1.35	3.69	13.04
0.00	1.35	3.69	16.73
0.25	1.46	3.99	20.72
0.50	1.46	3.99	24.71
0.75	2.22	6.08	30.78
1.00	2.22	6.08	36.86
1.25	1.74	4.74	41.60
1.50	1.74	4.74	46.34
1.75	1.20	3.28	49.62
2.00	1.20	3.28	52.89
2.25	0.96	2.63	55.52
2.50	0.96	2.63	58.15
2.75	0.93	2.54	60.69
3.00	0.93	2.54	63.23
3.25	0.76	2.08	65.32
3.50	0.76	2.08	67.40
3.75	0.74	2.02	69.42
4.00	0.74	2.02	71.44
4.50	0.88	2.39	73.84
5.00	0.88	2.39	76.23
5.50	0.88	2.39	78.62
6.00	0.88	2.39	81.01
6.50	0.88	2.39	83.40
7.00	0.88	2.39	85.80
7.50	0.88	2.39	88.19
8.00	0.88	2.39	90.58
9.00	0.57	1.57	92.15
10.00	0.57	1.57	93.72
11.00	0.57	1.57	95.29
12.00	0.57	1.57	96.86
13.00	0.57	1.57	98.43
14.00	0.57	1.57	100.00

Post Analytical Weight : 36.62

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.90	-0.05	0.51	1.78	4.74	6.62	10.82

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
3.93	67.52	19.13	9.42

FOLK VALUES :

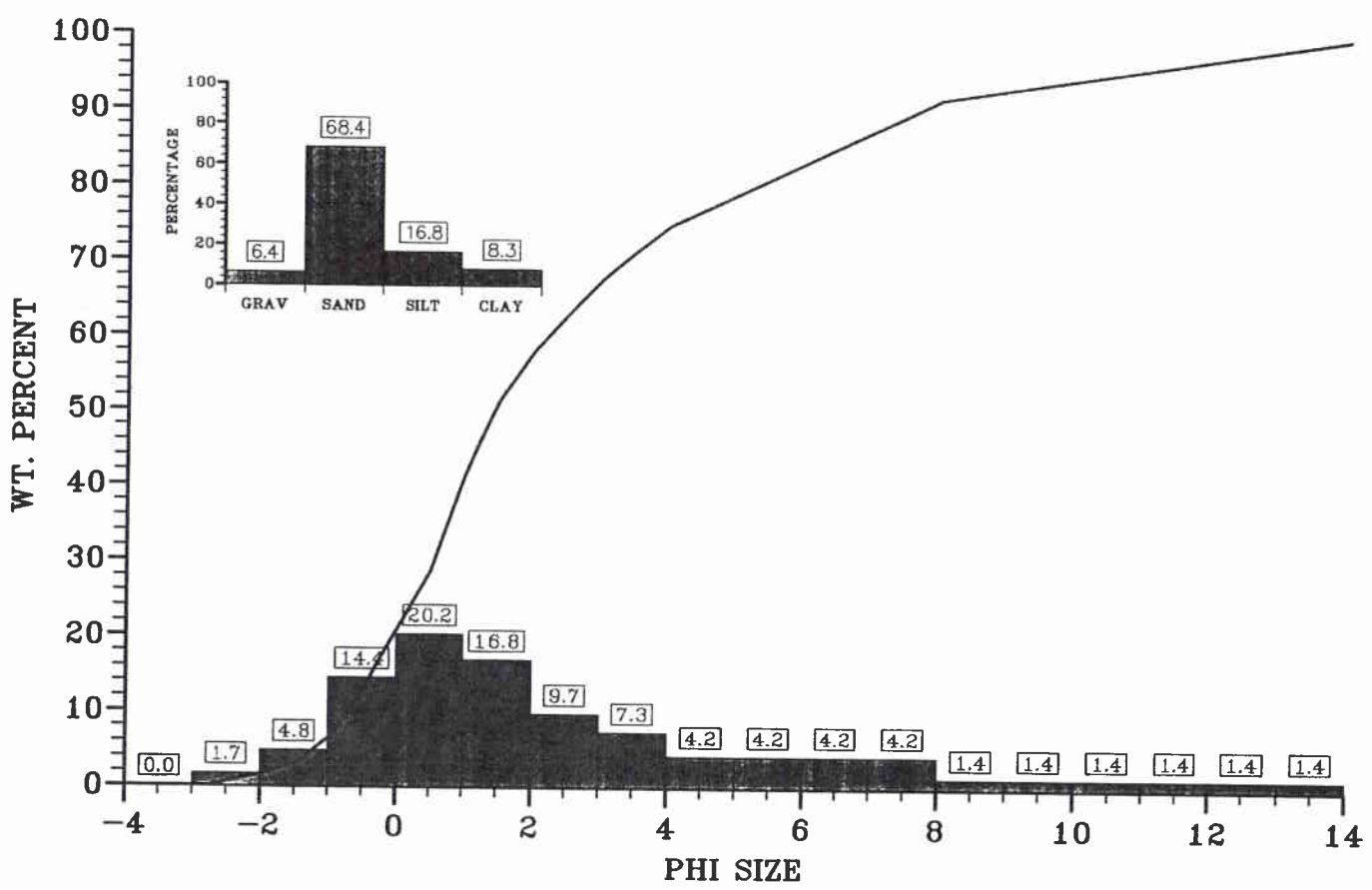
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.78	3.44	0.50	1.13	0.53

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.78	3.29	3.34	0.45	0.95	0.76

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00045



FOLK VALUES
MZ : 2.44
SD : 3.38
SK : 0.50
KG : 1.26
KG1 : 0.56

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152418

Cruise : MAJORICA Station : 00272 Sample : 00045
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.50	0.20	0.56	0.56
-2.25	0.20	0.56	1.12
-2.00	0.20	0.56	1.69
-1.75	0.22	0.62	2.31
-1.50	0.22	0.62	2.93
-1.25	0.61	1.75	4.68
-1.00	0.61	1.75	6.44
-0.75	1.11	3.16	9.59
-0.50	1.11	3.16	12.75
-0.25	1.42	4.05	16.81
0.00	1.42	4.05	20.86
0.25	1.37	3.89	24.75
0.50	1.37	3.89	28.65
0.75	2.18	6.23	34.88
1.00	2.18	6.23	41.11
1.25	1.78	5.08	46.18
1.50	1.78	5.08	51.26
1.75	1.17	3.34	54.59
2.00	1.17	3.34	57.93
2.25	0.87	2.49	60.42
2.50	0.87	2.49	62.91
2.75	0.82	2.34	65.25
3.00	0.82	2.34	67.59
3.25	0.65	1.86	69.45
3.50	0.65	1.86	71.31
3.75	0.62	1.77	73.08
4.00	0.62	1.77	74.85
4.50	0.74	2.10	76.96
5.00	0.74	2.10	79.06
5.50	0.74	2.10	81.16
6.00	0.74	2.10	83.27
6.50	0.74	2.10	85.37
7.00	0.74	2.10	87.48
7.50	0.74	2.10	89.58
8.00	0.74	2.10	91.69
9.00	0.49	1.39	93.07
10.00	0.49	1.39	94.46
11.00	0.49	1.39	95.84
12.00	0.49	1.39	97.23
13.00	0.49	1.39	98.61
14.00	0.49	1.39	100.00

Post Analytical Weight : 35.07

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.20	-0.30	0.27	1.44	4.04	6.17	10.39

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
6.44	68.42	16.83	8.31

FOLK VALUES :

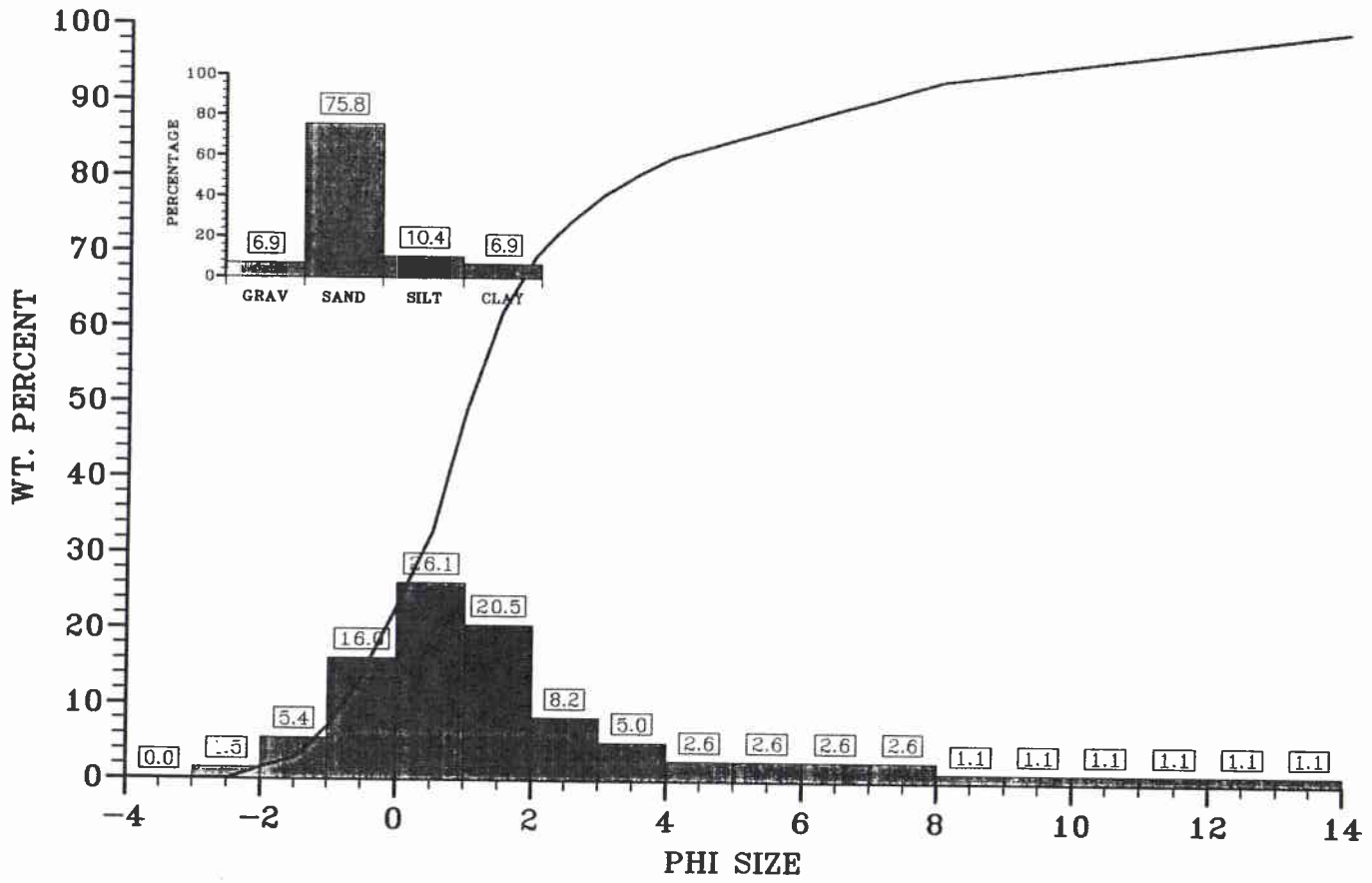
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.44	3.38	0.50	1.26	0.56

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.44	2.94	3.24	0.46	0.97	0.79

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00050



FOLK VALUES
MZ : 1.72
SD : 2.86
SK : 0.50
KG : 1.77
KG1 : 0.64

UNCLASSIFIED User name: TURGUTCAN Date: 17-DEC-1993 Plot Id: P3C17162912

Cruise : MAJORICA Station : 00272 Sample : 00050
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.26	0.74	0.74
-2.00	0.26	0.74	1.49
-1.75	0.23	0.67	2.16
-1.50	0.23	0.67	2.83
-1.25	0.71	2.04	4.88
-1.00	0.71	2.04	6.92
-0.75	1.16	3.35	10.28
-0.50	1.16	3.35	13.63
-0.25	1.61	4.66	18.29
0.00	1.61	4.66	22.94
0.25	1.71	4.95	27.89
0.50	1.71	4.95	32.84
0.75	2.80	8.10	40.94
1.00	2.80	8.10	49.03
1.25	2.24	6.47	55.51
1.50	2.24	6.47	61.98
1.75	1.30	3.77	65.75
2.00	1.30	3.77	69.53
2.25	0.78	2.26	71.79
2.50	0.78	2.26	74.05
2.75	0.64	1.85	75.90
3.00	0.64	1.85	77.75
3.25	0.46	1.33	79.08
3.50	0.46	1.33	80.42
3.75	0.40	1.17	81.58
4.00	0.40	1.17	82.75
4.50	0.45	1.30	84.04
5.00	0.45	1.30	85.34
5.50	0.45	1.30	86.63
6.00	0.45	1.30	87.93
6.50	0.45	1.30	89.22
7.00	0.45	1.30	90.52
7.50	0.45	1.30	91.82
8.00	0.45	1.30	93.11
9.00	0.40	1.15	94.26
10.00	0.40	1.15	95.41
11.00	0.40	1.15	96.56
12.00	0.40	1.15	97.70
13.00	0.40	1.15	98.85
14.00	0.40	1.15	100.00

Post Analytical Weight : 34.58

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.24	-0.37	0.10	1.04	2.63	4.48	9.64

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
6.92	75.82	10.36	6.89

FOLK VALUES :

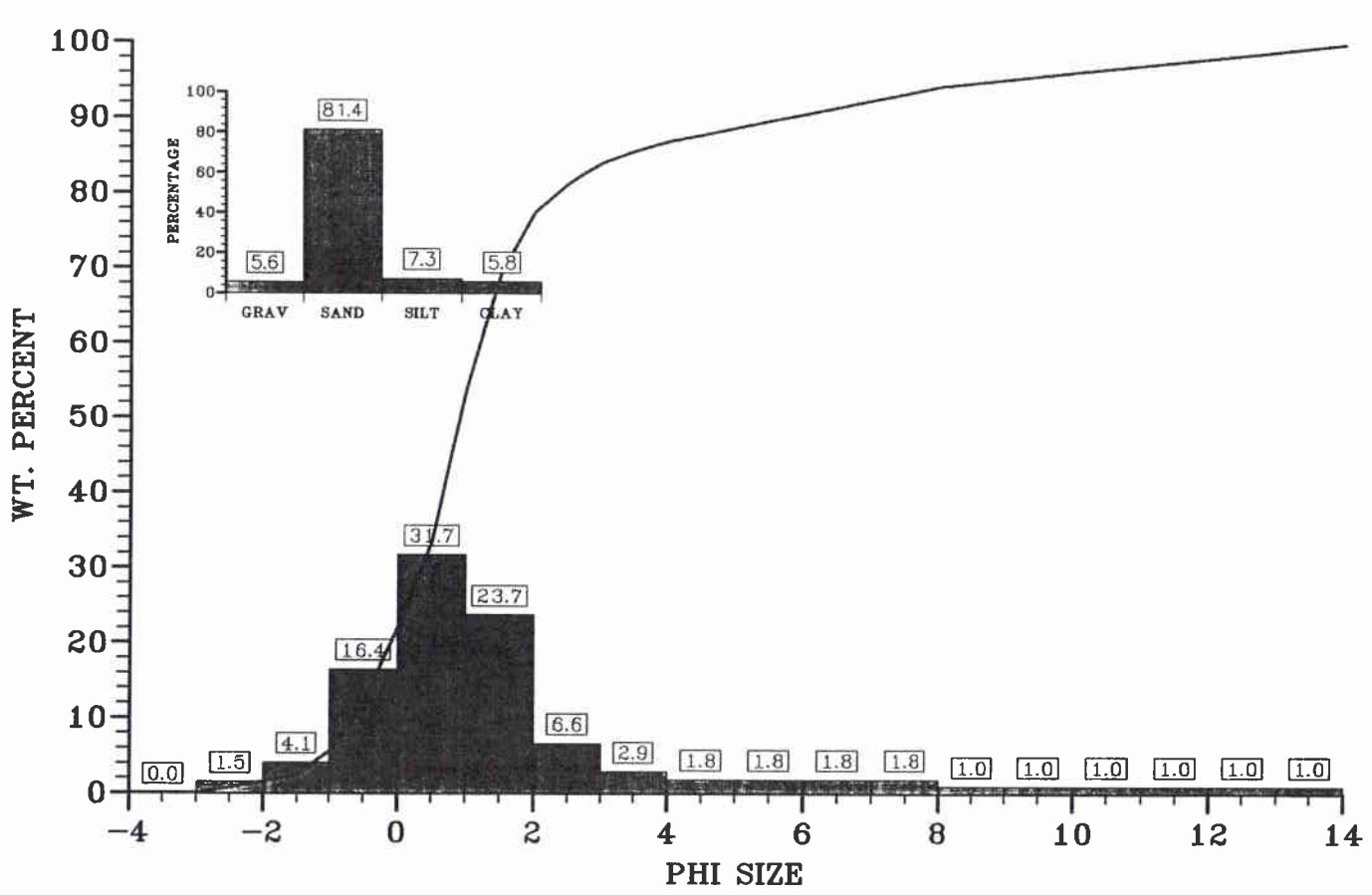
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.72	2.86	0.50	1.77	0.64

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.04	2.06	2.43	0.42	1.30	1.24

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00055



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152503

Cruise : MAJORICA Station : 00272 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.15	0.37	0.37
-2.50	0.15	0.37	0.75
-2.25	0.15	0.37	1.12
-2.00	0.15	0.37	1.50
-1.75	0.17	0.43	1.92
-1.50	0.17	0.43	2.35
-1.25	0.65	1.60	3.95
-1.00	0.65	1.60	5.55
-0.75	1.27	3.13	8.68
-0.50	1.27	3.13	11.81
-0.25	2.07	5.09	16.90
0.00	2.07	5.09	21.99
0.25	2.34	5.76	27.75
0.50	2.34	5.76	33.50
0.75	4.10	10.11	43.61
1.00	4.10	10.11	53.72
1.25	3.17	7.82	61.55
1.50	3.17	7.82	69.37
1.75	1.64	4.03	73.40
2.00	1.64	4.03	77.44
2.25	0.81	1.98	79.42
2.50	0.81	1.98	81.40
2.75	0.54	1.32	82.72
3.00	0.54	1.32	84.04
3.25	0.33	0.81	84.86
3.50	0.33	0.81	85.67
3.75	0.25	0.62	86.29
4.00	0.25	0.62	86.92
4.50	0.37	0.92	87.83
5.00	0.37	0.92	88.75
5.50	0.37	0.92	89.67
6.00	0.37	0.92	90.58
6.50	0.37	0.92	91.50
7.00	0.37	0.92	92.42
7.50	0.37	0.92	93.33
8.00	0.37	0.92	94.25
9.00	0.39	0.96	95.21
10.00	0.39	0.96	96.17
11.00	0.39	0.96	97.12
12.00	0.39	0.96	98.08
13.00	0.39	0.96	99.04
14.00	0.39	0.96	100.00

Post Analytical Weight : 40.59

Cruise : MAJORICA Station : 00272 Sample : 00055
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.09	-0.29	0.13	0.91	1.85	2.99	8.78

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
5.55	81.36	7.33	5.75

FOLK VALUES :

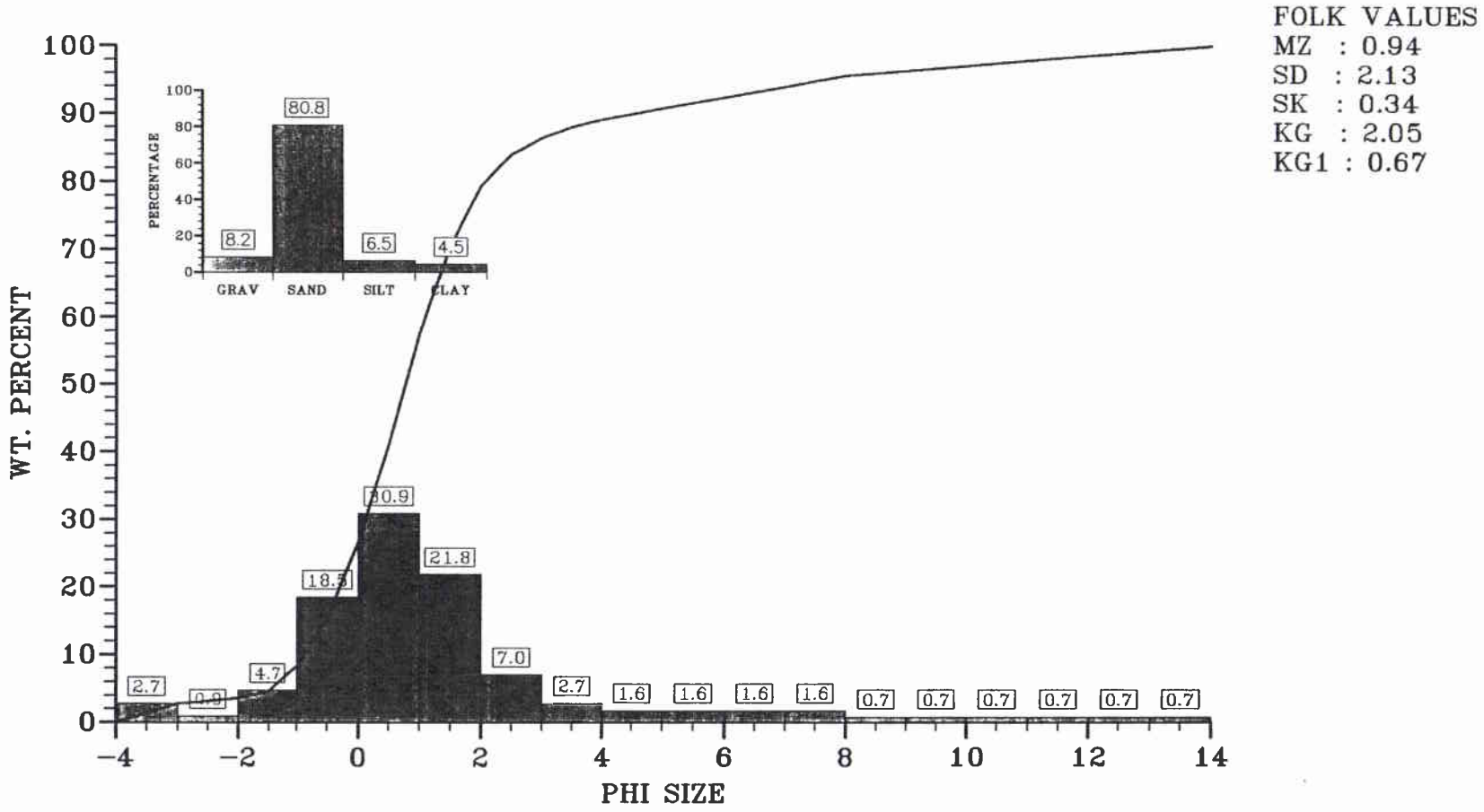
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.20	2.32	0.43	2.35	0.70

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.91	1.35	1.64	0.27	1.79	2.00

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00060



UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105161215

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	0.25	0.68	0.68
-3.50	0.25	0.68	1.36
-3.25	0.25	0.68	2.03
-3.00	0.25	0.68	2.71
-2.75	0.08	0.21	2.92
-2.50	0.08	0.21	3.13
-2.25	0.08	0.21	3.33
-2.00	0.08	0.21	3.54
-1.75	0.20	0.54	4.08
-1.50	0.20	0.54	4.61
-1.25	0.68	1.81	6.42
-1.00	0.68	1.81	8.23
-0.75	1.33	3.55	11.77
-0.50	1.33	3.55	15.32
-0.25	2.13	5.68	21.00
0.00	2.13	5.68	26.68
0.25	2.68	7.15	33.84
0.50	2.68	7.15	40.99
0.75	3.10	8.28	49.27
1.00	3.10	8.28	57.55
1.25	2.44	6.52	64.07
1.50	2.44	6.52	70.59
1.75	1.64	4.39	74.99
2.00	1.64	4.39	79.38
2.25	0.86	2.28	81.66
2.50	0.86	2.28	83.94
2.75	0.45	1.21	85.15
3.00	0.45	1.21	86.36
3.25	0.30	0.81	87.17
3.50	0.30	0.81	87.97
3.75	0.20	0.54	88.51
4.00	0.20	0.54	89.05
4.50	0.30	0.81	89.86
5.00	0.30	0.81	90.68
5.50	0.30	0.81	91.49
6.00	0.30	0.81	92.30
6.50	0.30	0.81	93.11
7.00	0.30	0.81	93.92
7.50	0.30	0.81	94.73
8.00	0.30	0.81	95.55
9.00	0.28	0.74	96.29
10.00	0.28	0.74	97.03
11.00	0.28	0.74	97.77
12.00	0.28	0.74	98.52
13.00	0.28	0.74	99.26
14.00	0.28	0.74	100.00

Post Analytical Weight : 37.45

Cruise : MAJORICA Station : 00272 Sample : 00060
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.45	-0.47	-0.07	0.77	1.75	2.51	7.66

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
8.23	80.82	6.49	4.45

FOLK VALUES :

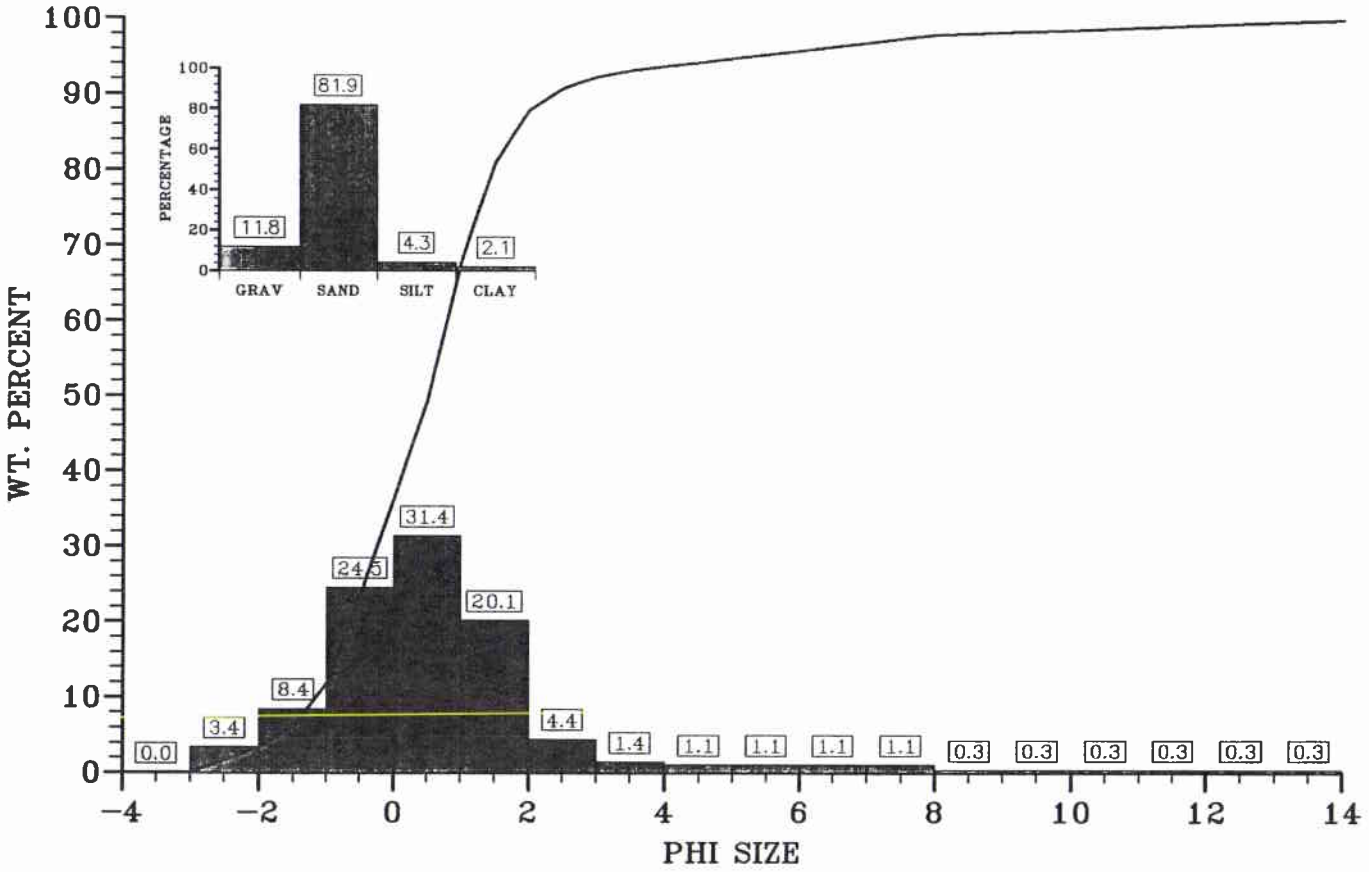
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.94	2.13	0.34	2.05	0.67

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.77	1.02	1.49	0.17	1.57	2.06

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00065



FOLK VALUES
MZ : 0.47
SD : 1.69
SK : 0.15
KG : 1.67
KG1 : 0.63

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105161234

Cruise : MAJORICA Station : 00272 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.32	0.84	0.84
-2.50	0.32	0.84	1.68
-2.25	0.32	0.84	2.53
-2.00	0.32	0.84	3.37
-1.75	0.57	1.47	4.84
-1.50	0.57	1.47	6.31
-1.25	1.06	2.74	9.05
-1.00	1.06	2.74	11.78
-0.75	2.22	5.76	17.54
-0.50	2.22	5.76	23.30
-0.25	2.51	6.51	29.81
0.00	2.51	6.51	36.32
0.25	2.49	6.46	42.78
0.50	2.49	6.46	49.24
0.75	3.56	9.22	58.46
1.00	3.56	9.22	67.67
1.25	2.57	6.65	74.32
1.50	2.57	6.65	80.97
1.75	1.32	3.43	84.39
2.00	1.32	3.43	87.82
2.25	0.56	1.45	89.27
2.50	0.56	1.45	90.72
2.75	0.29	0.76	91.49
3.00	0.29	0.76	92.25
3.25	0.16	0.40	92.65
3.50	0.16	0.40	93.06
3.75	0.12	0.30	93.36
4.00	0.12	0.30	93.66
4.50	0.21	0.53	94.20
5.00	0.21	0.53	94.73
5.50	0.21	0.53	95.26
6.00	0.21	0.53	95.80
6.50	0.21	0.53	96.33
7.00	0.21	0.53	96.86
7.50	0.21	0.53	97.40
8.00	0.21	0.53	97.93
9.00	0.13	0.34	98.28
10.00	0.13	0.34	98.62
11.00	0.13	0.34	98.97
12.00	0.13	0.34	99.31
13.00	0.13	0.34	99.66
14.00	0.13	0.34	100.00

Post Analytical Weight : 38.59

Cruise : MAJORICA Station : 00272 Sample : 00065
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.72	-0.82	-0.43	0.52	1.28	1.72	5.25

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
11.78	81.88	4.27	2.07

FOLK VALUES :

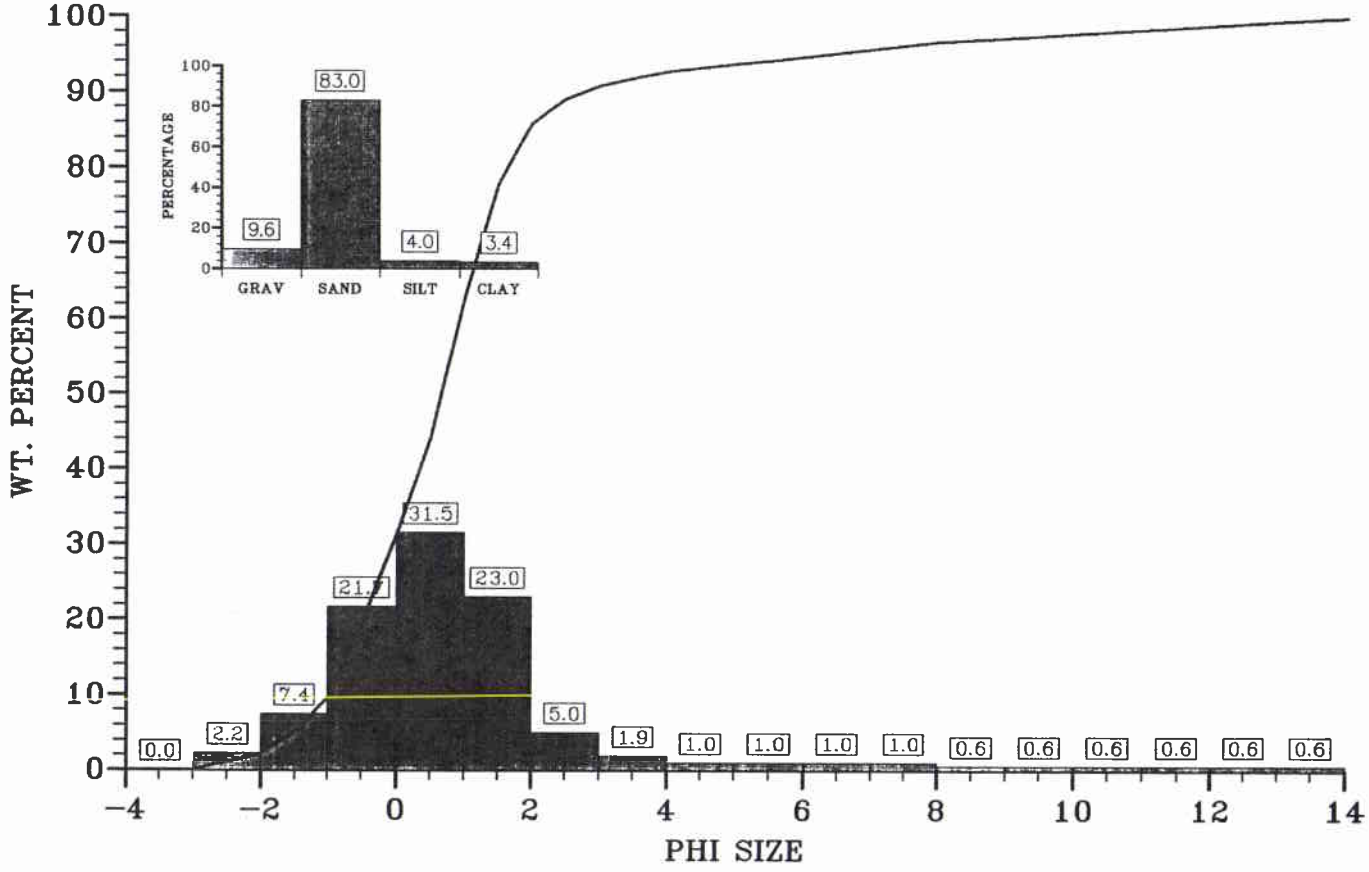
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.47	1.69	0.15	1.67	0.63

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.52	0.45	1.27	-0.05	0.98	1.75

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00070



FOLK VALUES
MZ : 0.62
SD : 1.84
SK : 0.21
KG : 1.94
KG1 : 0.66

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152602

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.25	0.56	0.56
-2.50	0.25	0.56	1.11
-2.25	0.25	0.56	1.67
-2.00	0.25	0.56	2.23
-1.75	0.65	1.42	3.65
-1.50	0.65	1.42	5.07
-1.25	1.04	2.28	7.35
-1.00	1.04	2.28	9.63
-0.75	2.21	4.85	14.49
-0.50	2.21	4.85	19.34
-0.25	2.73	5.98	25.32
0.00	2.73	5.98	31.30
0.25	2.92	6.39	37.70
0.50	2.92	6.39	44.09
0.75	4.27	9.36	53.45
1.00	4.27	9.36	62.82
1.25	3.42	7.50	70.32
1.50	3.42	7.50	77.82
1.75	1.82	3.98	81.80
2.00	1.82	3.98	85.79
2.25	0.74	1.63	87.42
2.50	0.74	1.63	89.05
2.75	0.39	0.86	89.91
3.00	0.39	0.86	90.77
3.25	0.22	0.49	91.27
3.50	0.22	0.49	91.76
3.75	0.20	0.44	92.20
4.00	0.20	0.44	92.65
4.50	0.23	0.50	93.14
5.00	0.23	0.50	93.64
5.50	0.23	0.50	94.13
6.00	0.23	0.50	94.63
6.50	0.23	0.50	95.12
7.00	0.23	0.50	95.62
7.50	0.23	0.50	96.11
8.00	0.23	0.50	96.61
9.00	0.26	0.57	97.17
10.00	0.26	0.57	97.74
11.00	0.26	0.57	98.30
12.00	0.26	0.57	98.87
13.00	0.26	0.57	99.43
14.00	0.26	0.57	100.00

Post Analytical Weight : 45.63

Cruise : MAJORICA Station : 00272 Sample : 00070
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.51	-0.67	-0.26	0.66	1.41	1.89	6.38

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
9.63	83.01	3.96	3.39

FOLK VALUES :

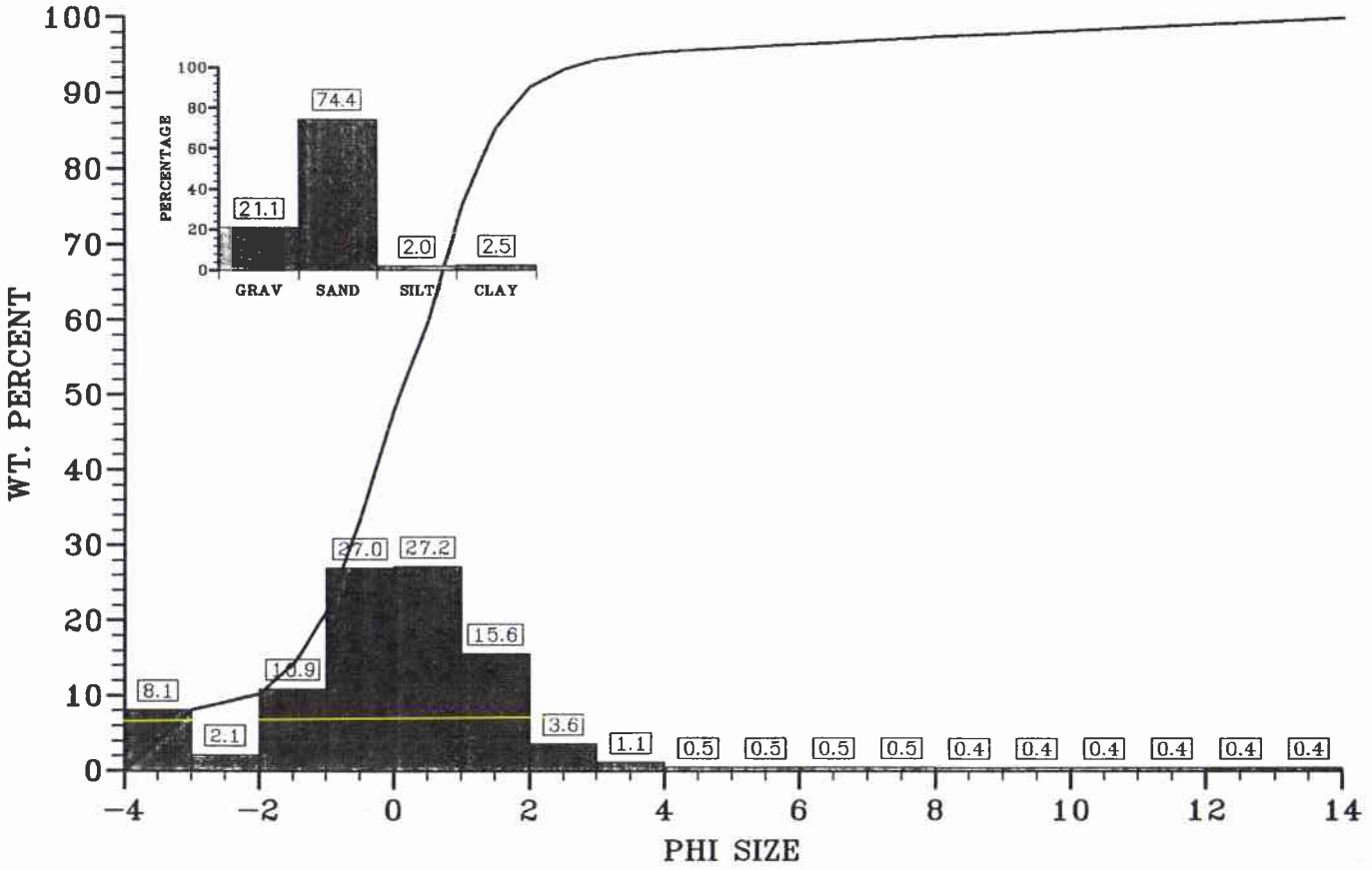
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.62	1.84	0.21	1.94	0.66

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.66	0.61	1.28	-0.04	1.39	2.08

GRAIN SIZE ANALYSIS

CRUISE : MAJORICA STATION : 00272 SAMPLE : 00075



FOLK VALUES
MZ : 0.05
SD : 1.74
SK :−0.02
KG : 1.53
KG1 : 0.61

UNCLASSIFIED User name: TURGUTCAN Date: 5-JAN-1994 Plot Id: H4105152629

Report no. changed (Mar 2006): SM-286-UU

Report no. changed (Mar 2006): SM-286-UU

Cruise : MAJORICA Station : 00272 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.13	2.02	2.02
-3.50	1.13	2.02	4.04
-3.25	1.13	2.02	6.06
-3.00	1.13	2.02	8.09
-2.75	0.29	0.53	8.61
-2.50	0.29	0.53	9.14
-2.25	0.29	0.53	9.66
-2.00	0.29	0.53	10.19
-1.75	1.12	2.01	12.20
-1.50	1.12	2.01	14.21
-1.25	1.92	3.43	17.63
-1.00	1.92	3.43	21.06
-0.75	3.44	6.16	27.22
-0.50	3.44	6.16	33.38
-0.25	4.09	7.32	40.70
0.00	4.09	7.32	48.02
0.25	3.30	5.90	53.92
0.50	3.30	5.90	59.81
0.75	4.30	7.69	67.51
1.00	4.30	7.69	75.20
1.25	2.85	5.09	80.29
1.50	2.85	5.09	85.39
1.75	1.51	2.70	88.09
2.00	1.51	2.70	90.79
2.25	0.65	1.16	91.95
2.50	0.65	1.16	93.11
2.75	0.35	0.63	93.74
3.00	0.35	0.63	94.37
3.25	0.18	0.33	94.69
3.50	0.18	0.33	95.02
3.75	0.13	0.24	95.26
4.00	0.13	0.24	95.50
4.50	0.14	0.25	95.75
5.00	0.14	0.25	96.00
5.50	0.14	0.25	96.24
6.00	0.14	0.25	96.49
6.50	0.14	0.25	96.74
7.00	0.14	0.25	96.98
7.50	0.14	0.25	97.23
8.00	0.14	0.25	97.48
9.00	0.23	0.42	97.90
10.00	0.23	0.42	98.32
11.00	0.23	0.42	98.74
12.00	0.23	0.42	99.16
13.00	0.23	0.42	99.58
14.00	0.23	0.42	100.00

Post Analytical Weight : 55.91

Cruise : MAJORICA Station : 00272 Sample : 00075
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.38	-1.37	-0.84	0.08	0.99	1.43	3.48

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
21.06	74.44	1.97	2.52

FOLK VALUES :

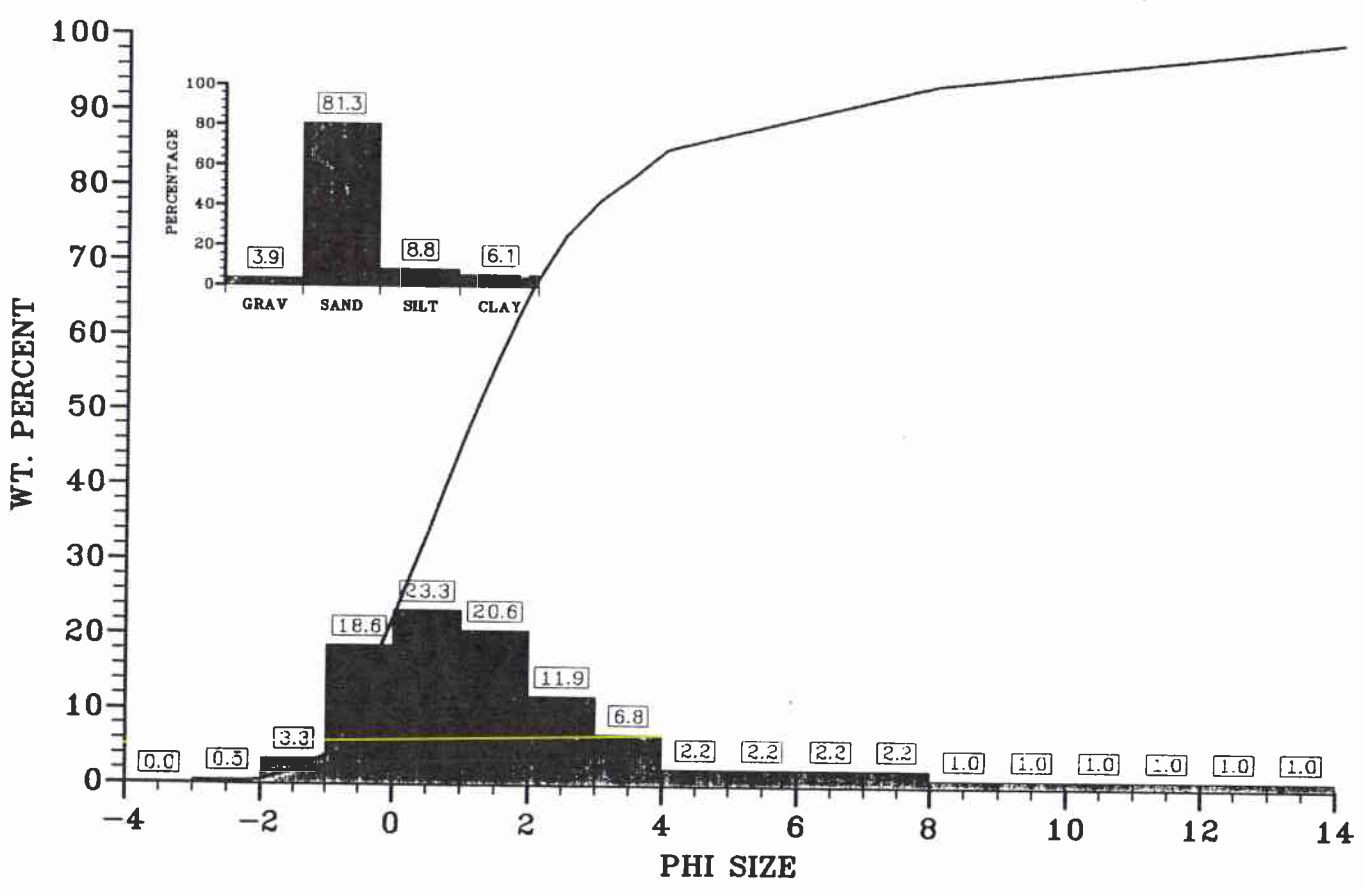
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.05	1.74	-0.02	1.53	0.61

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.08	0.03	1.40	-0.04	-0.02	1.45

GRAIN SIZE ANALYSIS

CRUISE : GRAB STATION : 02543 SAMPLE : 02543



FOLK VALUES
MZ : 1.58
SD : 2.55
SK : 0.43
KG : 1.61
KG1 : 0.62

UNCLASSIFIED User name: TURGUTCAN Date: 13-JUL-1993 Plot Id: H3713121508

Cruise : GRAB Station : 02543 Sample : 02543
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.25	0.10	0.26	0.26
-2.00	0.10	0.26	0.51
-1.75	0.25	0.66	1.17
-1.50	0.25	0.66	1.82
-1.25	0.39	1.02	2.84
-1.00	0.39	1.02	3.85
-0.75	1.40	3.68	7.54
-0.50	1.40	3.68	11.22
-0.25	2.13	5.61	16.83
0.00	2.13	5.61	22.44
0.25	2.15	5.66	28.10
0.50	2.15	5.66	33.76
0.75	2.29	6.02	39.77
1.00	2.29	6.02	45.79
1.25	2.12	5.58	51.37
1.50	2.12	5.58	56.94
1.75	1.80	4.74	61.69
2.00	1.80	4.74	66.43
2.25	1.36	3.57	70.01
2.50	1.36	3.57	73.58
2.75	0.90	2.37	75.94
3.00	0.90	2.37	78.31
3.25	0.61	1.61	79.92
3.50	0.61	1.61	81.54
3.75	0.68	1.79	83.33
4.00	0.68	1.79	85.12
4.50	0.42	1.10	86.22
5.00	0.42	1.10	87.32
5.50	0.42	1.10	88.42
6.00	0.42	1.10	89.52
6.50	0.42	1.10	90.62
7.00	0.42	1.10	91.72
7.50	0.42	1.10	92.82
8.00	0.42	1.10	93.92
9.00	0.38	1.01	94.93
10.00	0.38	1.01	95.95
11.00	0.38	1.01	96.96
12.00	0.38	1.01	97.97
13.00	0.38	1.01	98.99
14.00	0.38	1.01	100.00

Post Analytical Weight : 38.00

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-0.92	-0.29	0.11	1.19	2.65	3.84	9.06

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
3.85	81.27	8.80	6.08

FOLK VALUES :

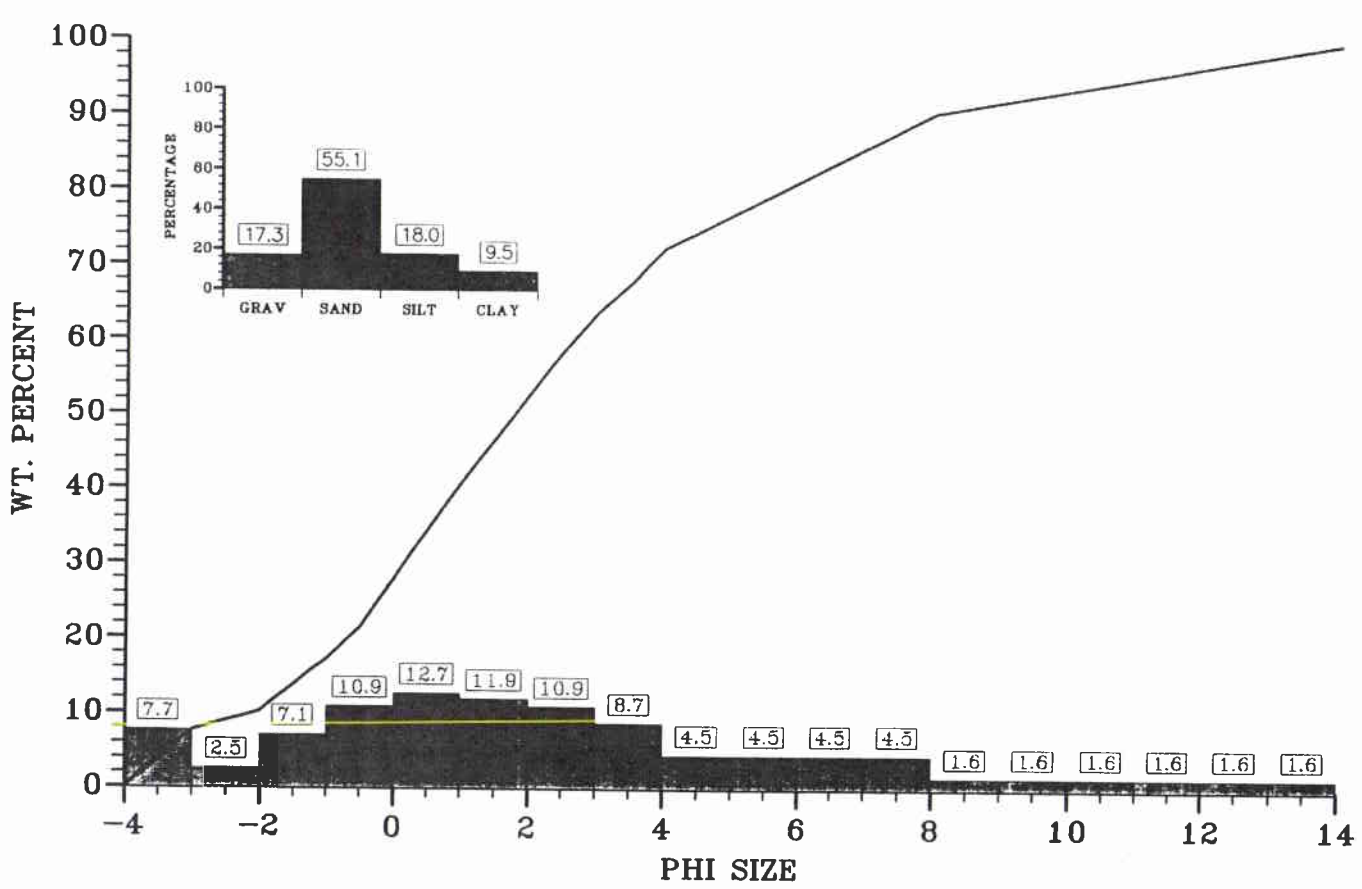
MEAN	ST.DEV	SKEW	KURT	N.KURT
1.58	2.55	0.43	1.61	0.62

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.19	1.78	2.07	0.29	1.40	1.42

GRAIN SIZE ANALYSIS

CRUISE : GRAB STATION : 02544 SAMPLE : 02544



FOLK VALUES
MZ : 2.38
SD : 4.09
SK : 0.26
KG : 1.21
KG1 : 0.55

UNCLASSIFIED User name: TURGUTCAN Date: 13-JUL-1993 Plot Id: H3713121857

Report no. changed (Mar 2006): SM-286-UU

Cruise : GRAB Station : 02544 Sample : 02544
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	1.07	1.92	1.92
-3.50	1.07	1.92	3.83
-3.25	1.07	1.92	5.75
-3.00	1.07	1.92	7.67
-2.75	0.35	0.63	8.30
-2.50	0.35	0.63	8.93
-2.25	0.35	0.63	9.57
-2.00	0.35	0.63	10.20
-1.75	1.04	1.86	12.06
-1.50	1.04	1.86	13.92
-1.25	0.95	1.70	15.62
-1.00	0.95	1.70	17.32
-0.75	1.17	2.10	19.42
-0.50	1.17	2.10	21.52
-0.25	1.87	3.35	24.87
0.00	1.87	3.35	28.22
0.25	1.80	3.22	31.44
0.50	1.80	3.22	34.66
0.75	1.74	3.11	37.78
1.00	1.74	3.11	40.89
1.25	1.64	2.94	43.83
1.50	1.64	2.94	46.77
1.75	1.69	3.02	49.79
2.00	1.69	3.02	52.81
2.25	1.60	2.86	55.67
2.50	1.60	2.86	58.53
2.75	1.44	2.58	61.11
3.00	1.44	2.58	63.69
3.25	1.13	2.03	65.72
3.50	1.13	2.03	67.75
3.75	1.31	2.34	70.09
4.00	1.31	2.34	72.42
4.50	1.26	2.25	74.68
5.00	1.26	2.25	76.93
5.50	1.26	2.25	79.18
6.00	1.26	2.25	81.44
6.50	1.26	2.25	83.69
7.00	1.26	2.25	85.95
7.50	1.26	2.25	88.20
8.00	1.26	2.25	90.46
9.00	0.89	1.59	92.05
10.00	0.89	1.59	93.64
11.00	0.89	1.59	95.23
12.00	0.89	1.59	96.82
13.00	0.89	1.59	98.41
14.00	0.89	1.59	100.00

Post Analytical Weight : 55.89

Cruise : GRAB Station : 02544 Sample : 02544
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.35	-1.19	-0.24	1.77	4.57	6.57	10.86

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
17.32	55.11	18.03	9.54

FOLK VALUES :

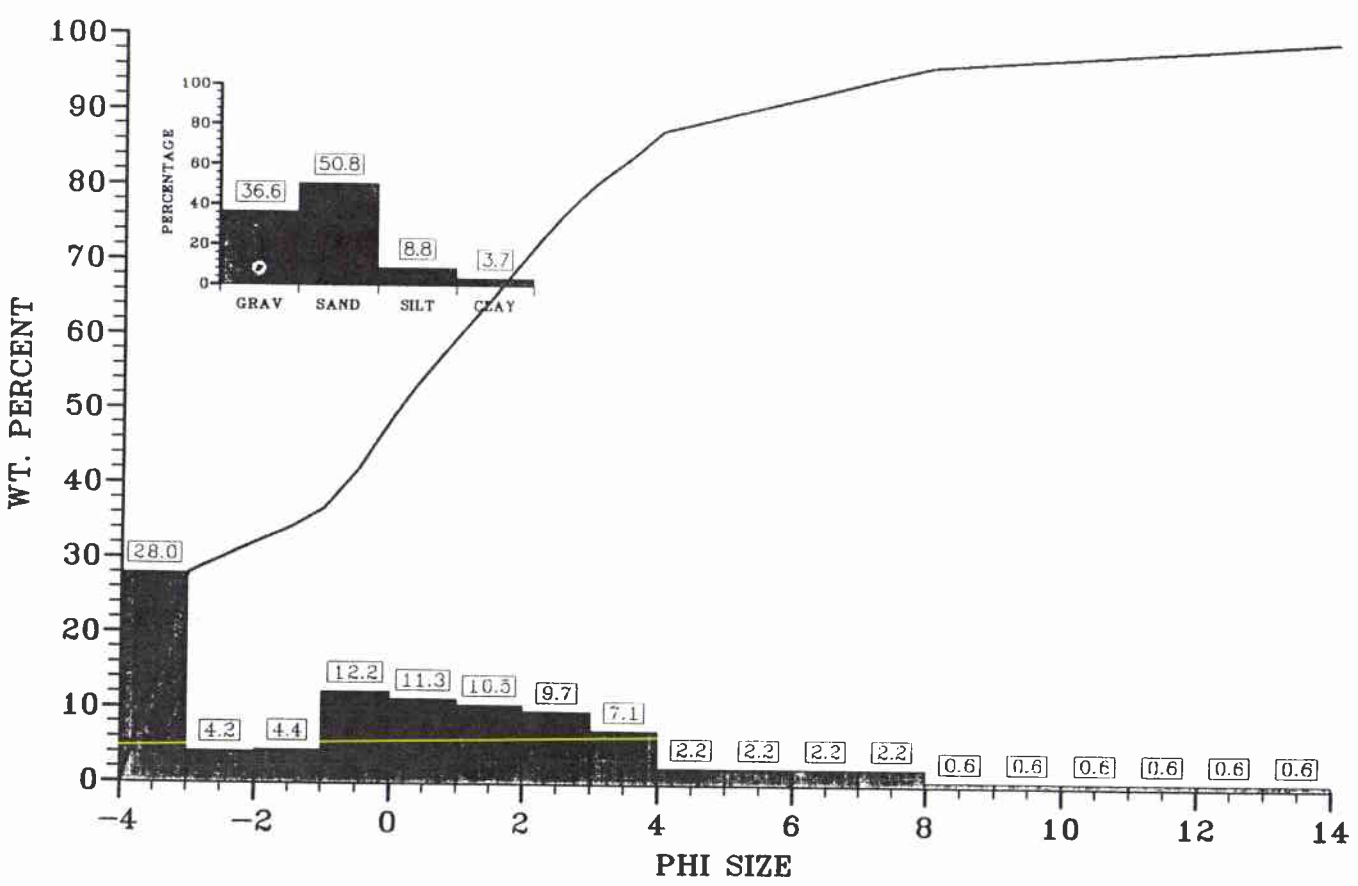
MEAN	ST.DEV	SKEW	KURT	N.KURT
2.38	4.09	0.26	1.21	0.55

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
1.77	2.69	3.88	0.24	0.51	0.83

GRAIN SIZE ANALYSIS

CRUISE : GRAB STATION : 02545 SAMPLE : 02545



FOLK VALUES
MZ : 0.07
SD : 3.45
SK : 0.15
KG : 0.84
KG1 : 0.46

UNCLASSIFIED User name: TURGUTCAN Date: 13-JUL-1993 Plot Id: H3713122205

Report no. changed (Mar 2006): SM-286-UU

Cruise : GRAB Station : 02545 Sample : 02545
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-3.75	3.43	7.00	7.00
-3.50	3.43	7.00	14.00
-3.25	3.43	7.00	20.99
-3.00	3.43	7.00	27.99
-2.75	0.52	1.06	29.05
-2.50	0.52	1.06	30.10
-2.25	0.52	1.06	31.16
-2.00	0.52	1.06	32.22
-1.75	0.46	0.94	33.16
-1.50	0.46	0.94	34.10
-1.25	0.62	1.27	35.38
-1.00	0.62	1.27	36.65
-0.75	1.29	2.63	39.28
-0.50	1.29	2.63	41.92
-0.25	1.71	3.49	45.40
0.00	1.71	3.49	48.89
0.25	1.48	3.02	51.91
0.50	1.48	3.02	54.93
0.75	1.28	2.62	57.55
1.00	1.28	2.62	60.17
1.25	1.24	2.52	62.69
1.50	1.24	2.52	65.22
1.75	1.34	2.73	67.95
2.00	1.34	2.73	70.68
2.25	1.30	2.65	73.33
2.50	1.30	2.65	75.98
2.75	1.07	2.17	78.16
3.00	1.07	2.17	80.33
3.25	0.82	1.67	82.00
3.50	0.82	1.67	83.67
3.75	0.93	1.89	85.57
4.00	0.93	1.89	87.46
4.50	0.54	1.10	88.56
5.00	0.54	1.10	89.66
5.50	0.54	1.10	90.77
6.00	0.54	1.10	91.87
6.50	0.54	1.10	92.97
7.00	0.54	1.10	94.08
7.50	0.54	1.10	95.18
8.00	0.54	1.10	96.28
9.00	0.30	0.62	96.90
10.00	0.30	0.62	97.52
11.00	0.30	0.62	98.14
12.00	0.30	0.62	98.76
13.00	0.30	0.62	99.38
14.00	0.30	0.62	100.00

Post Analytical Weight : 49.05

Cruise : GRAB Station : 02545 Sample : 02545
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-3.82	-3.43	-3.11	0.09	2.41	3.54	7.42

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
36.65	50.81	8.82	3.72

FOLK VALUES :

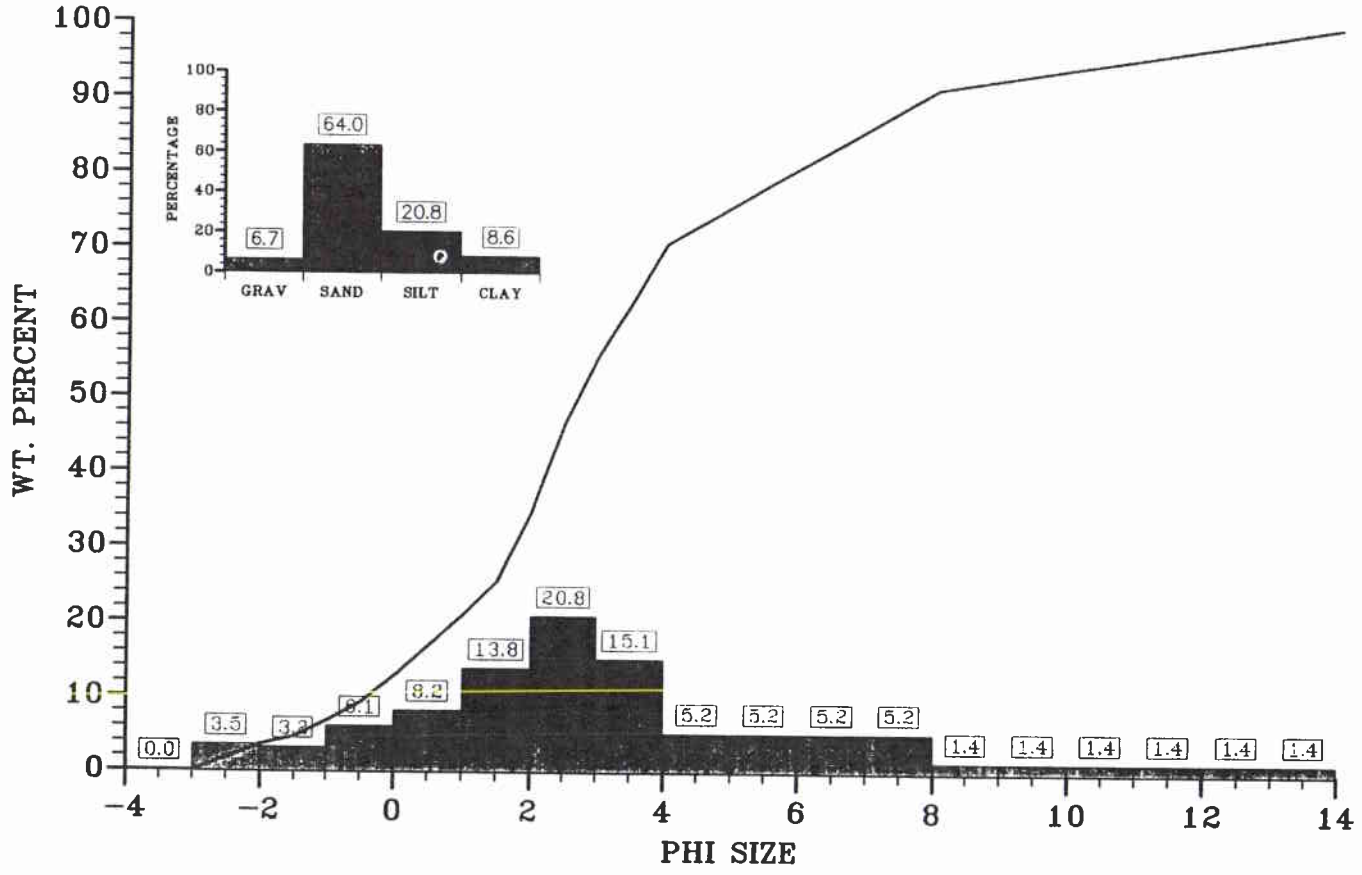
MEAN	ST.DEV	SKEW	KURT	N.KURT
0.07	3.45	0.15	0.84	0.46

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
0.09	0.06	3.49	-0.01	0.49	0.61

GRAIN SIZE ANALYSIS

CRUISE : GRAB STATION : 02546 SAMPLE : 02546



FOLK VALUES
MZ : 3.22
SD : 3.34
SK : 0.28
KG : 1.44
KG1 : 0.59

UNCLASSIFIED User name: TURGUTCAN Date: 13-JUL-1993 Plot id: H3713122436

Report no. changed (Mar 2006): SM-286-UU

Cruise : GRAB Station : 02546 Sample : 02546
Date : Latitude : Longitude :

PHI SIZE	FRACTION WEIGHT	FRACTION PERCENT	ACCUMULATED PERCENT
-2.75	0.31	0.88	0.88
-2.50	0.31	0.88	1.76
-2.25	0.31	0.88	2.63
-2.00	0.31	0.88	3.51
-1.75	0.19	0.56	4.07
-1.50	0.19	0.56	4.62
-1.25	0.36	1.04	5.66
-1.00	0.36	1.04	6.70
-0.75	0.43	1.22	7.92
-0.50	0.43	1.22	9.14
-0.25	0.63	1.81	10.96
0.00	0.63	1.81	12.77
0.25	0.70	1.99	14.76
0.50	0.70	2.00	16.76
0.75	0.73	2.10	18.86
1.00	0.73	2.10	20.96
1.25	0.79	2.26	23.22
1.50	0.79	2.26	25.48
1.75	1.62	4.63	30.11
2.00	1.62	4.63	34.74
2.25	2.06	5.89	40.64
2.50	2.06	5.89	46.53
2.75	1.58	4.53	51.06
3.00	1.58	4.53	55.59
3.25	1.29	3.70	59.30
3.50	1.29	3.70	63.00
3.75	1.34	3.84	66.83
4.00	1.34	3.84	70.67
4.50	0.91	2.60	73.27
5.00	0.91	2.60	75.86
5.50	0.91	2.60	78.46
6.00	0.91	2.60	81.06
6.50	0.91	2.60	83.65
7.00	0.91	2.60	86.25
7.50	0.91	2.60	88.85
8.00	0.91	2.60	91.45
9.00	0.50	1.43	92.87
10.00	0.50	1.43	94.30
11.00	0.50	1.43	95.72
12.00	0.50	1.43	97.15
13.00	0.50	1.43	98.57
14.00	0.50	1.43	100.00

Post Analytical Weight : 34.93

Cruise : GRAB Station : 02546 Sample : 02546
Date : Latitude : Longitude :

PHI SIZE AT PERCENTAGE LEVELS :

5	16	25	50	75	84	95
-1.41	0.41	1.45	2.69	4.83	6.57	10.49

PERCENTAGE OF :

GRAVEL	SAND	SILT	CLAY
6.70	63.97	20.77	8.55

FOLK VALUES :

MEAN	ST.DEV	SKEW	KURT	N.KURT
3.22	3.34	0.28	1.44	0.59

INMAN VALUES :

MEDIAN	MEAN	ST.DEV	SKEW	SKEW.2	KURT
2.69	3.49	3.08	0.26	0.60	0.93

Compressional wave velocity

CALCULATED ACOUSTIC DATA

Cruise : SAG 1 93 Station : 00267 Sample : 00267
Date : 08-MAR-93 Latitude : 39 26.11N Longitude : 002 12.33E
Bottom Depth (m) : 117

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 117(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.75 sec. Peak Height: 1.60 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00cm

Depth cm	Vp(m/Sec)	Vp Ratio	Attenuation	k
9.0	1604.6	1.048	162.3	0.811
15.0	1604.6	1.048	176.3	0.882
25.0	1599.3	1.044	193.8	0.969

Compressional wave velocity

CALCULATED ACOUSTIC DATA

Cruise : SAG_1_93 Station : 00269 Sample : 00269
Date : 13-MAR-93 Latitude : 39 29.76N Longitude : 002 13.74E
Bottom Depth (m) : 105

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 105(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.50 sec. Peak Height: 1.28 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00cm

Depth cm	Vp(m/Sec)	Vp Ratio	Attenuation	k
10.0	1604.4	1.048	146.1	0.731
18.0	1620.6	1.058	221.5	1.108
30.0	1615.2	1.055	250.9	1.254
40.0	1615.2	1.055	250.9	1.254
58.0	1631.6	1.066	250.9	1.254

Compressional wave velocity

CALCULATED ACOUSTIC DATA

Cruise : SAG_1_93 Station : 00271 Sample : 00271
Date : 18-MAR-93 Latitude : 39 24.86N Longitude : 002 15.11E
Bottom Depth (m) : 112

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 112(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.75 sec. Peak Height: 0.54 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00cm

Depth cm	Vp(m/Sec)	Vp Ratio	Attenuation	k
3.0	1593.9	1.041	88.0	0.440
18.0	1615.3	1.055	159.0	0.795
33.0	1615.3	1.055	159.0	0.795
48.0	1620.8	1.058	159.0	0.795
63.0	1537.8	1.004	159.0	0.795

Compressional wave velocity

SOURCE ACOUSTIC DATA

Cruise : SAG_1_93 Station : 00267 Sample : 00267
Date : 08-MAR-93 Latitude : 39 26.11N Longitude : 002 12.33E
Bottom Depth (m) : 117

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 117(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.75 sec. Peak Height: 1.60 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00 cm

Depth cm	Temp. C	Time Delay	Peak H	V/D
9.0	22.0	149.00	0.17	1.00
15.0	22.0	149.00	0.14	1.00
25.0	22.0	149.25	0.11	1.00

Compressional wave velocity

CALCULATED ACOUSTIC DATA

Cruise : SAG_1_93 Station : 00272 Sample : 00272
Date : 18-MAR-93 Latitude : 39 25.09N Longitude : 002 08.84E
Bottom Depth (m) : 135

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 135(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.50 sec. Peak Height: 1.22 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00cm

Depth cm	Vp(m/Sec)	Vp Ratio	Attenuation	k
10.0	1649.0	1.076	99.2	0.496
20.0	1621.2	1.058	134.6	0.673
30.0	1626.6	1.062	151.7	0.759
40.0	1626.6	1.062	181.1	0.905
50.0	1649.0	1.076	174.2	0.871
58.0	1666.1	1.088	138.5	0.693

Compressional wave velocity

SOURCE ACOUSTIC DATA

Cruise : SAG 1 93 Station : 00269 Sample : 00269
Date : 13-MAR-93 Latitude : 39 29.76N Longitude : 002 13.74E
Bottom Depth (m) : 105

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 105(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.50 sec. Peak Height: 1.28 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00 cm

Depth cm	Temp. C	Time Delay	Peak H	V/D
10.0	22.0	148.75	0.17	1.00
18.0	22.0	148.00	0.06	1.00
30.0	22.0	148.25	0.04	1.00
40.0	22.0	148.25	0.04	1.00
58.0	22.0	147.50	0.04	1.00

Compressional wave velocity

SOURCE ACOUSTIC DATA

Cruise : SAG 1 93 Station : 00271 Sample : 00271
Date : 18-MAR-93 Latitude : 39 24.86N Longitude : 002 15.11E
Bottom Depth (m) : 112

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 112(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.75 sec. Peak Height: 0.54 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00 cm

Depth cm	Temp. C	Time Delay	Peak H	V/D
3.0	22.0	149.50	0.16	1.00
18.0	22.0	148.50	0.06	1.00
33.0	22.0	148.50	0.06	1.00
48.0	22.0	148.25	0.06	1.00
63.0	22.0	152.25	0.06	1.00

Compressional wave velocity

SOURCE ACOUSTIC DATA

Cruise : SAG_1_93 Station : 00272 Sample : 00272
Date : 18-MAR-93 Latitude : 39 25.09N Longitude : 002 08.84E
Bottom Depth (m) : 135

Vp CALCULATIONS
Temp. : 22.0 Deg C 37.50o/oo 135(m) Freq.: 200.kHz

REFERENCE CORE DATA
Temp. : 22.0 Deg C Time delay: 154.50 sec. Peak Height: 1.22 H
Volts/Div.: 1.00V/D

SAMPLE CORE DATA
S : 37.50 o/oo Thickness: 12.00 cm

Depth cm	Temp. C	Time Delay	Peak H	V/D
10.0	22.0	146.75	0.31	1.00
20.0	22.0	148.00	0.19	1.00
30.0	22.0	147.75	0.15	1.00
40.0	22.0	147.75	0.10	1.00
50.0	22.0	146.75	0.11	1.00
58.0	22.0	146.00	0.18	1.00

NOTE="OUTPUT FOR : TONARELLI "

DATE & TIME : 1-DEC-94 15:38:05

HEADER INFORMATION

FILE NAME : CORE00000267.CAL CORE NUMBER : 00000267 DATE COLLECTED : 08/03/93

CORE LOCATION

LATITUDE : 34.26.06N SEA ZONE : 12
LONGITUDE : 002.12.20E SAMPLE TYPE : 2

COMMENT : SAG 93-1 CRUISE MAJORCA

BOTTOM INFORMATION

SALINITY.....ppt :	37.50
TEMPERATURE.....deg.C :	14.00
DEPTH.....m. :	117.0
PRESSURE.....Kg./cm2 :	12.0
WATER VELOCITY.....m./sec.:	0.0

MEASUREMENT INFORMATION

MEASURED DISTANCE BETWEEN PROBES.....mm.:	12.00
ELECTRONIC TIME DELAY.....msec.:	0.00
ACQUISITION FREQUENCY.....KHz.:	200.0
SPECIFIC WEIGHT OF WATER.....g/cm3 :	1.029
SEDIMENT DRY DENSITY.....g/cm3 :	2.74

DEPTH cm.	Vp	Vp RATIO	Vp ATT.	MEAN G. SIZE	PORO	VOID RATIO	WET DENSITY	DRY DENSITY	DENSITY RATIO	WATER CONT.	FORM. FACTOR	Vs	Vs ATT.
5				4.23	62.43	1.66	1.65	2.73	1.60	60.66			
10	1604.60	1.048	162.30	2.01	58.07	1.38	1.73	2.76	1.68	50.19			
15	1604.60	1.048	176.30	1.42	55.72	1.25	1.76	2.73	1.71	46.09			
20				2.55	52.69	1.11	1.82	2.74	1.77	40.64			
25	1599.30	1.044	193.80	3.08	53.23	1.13	1.81	2.74	1.76	41.52			
30				1.63	51.99	1.08	1.83	2.74	1.78	39.53			
35				2.50	49.70	0.98	1.87	2.73	1.82	36.07			
40				1.14									

NOTE="OUTPUT FOR : TONARELLI "

DATE & TIME : 1-DEC-94 16:13:53

HEADER INFORMATION

FILE NAME : CORE00000268.CAL CORE NUMBER : 00000268 DATE COLLECTED : 13/03/93

CORE LOCATION

LATITUDE : 39.25.41N SEA ZONE : 12
LONGITUDE : 002.14.00E SAMPLE TYPE : 2

COMMENT : SAG 93-1 CRUISE MAJORCA

BOTTOM INFORMATION

SALINITY.....ppt :	37.50
TEMPERATURE.....deg.C :	14.00
DEPTH.....m.:	115.0
PRESSURE.....Kg./cm2 :	11.8
WATER VELOCITY.....m./sec.:	0.0

MEASUREMENT INFORMATION

MEASURED DISTANCE BETWEEN PROBES.....mm.:	12.00
ELECTRONIC TIME DELAY.....msec.:	0.00
ACQUISITION FREQUENCY.....KHz.:	200.0
SPECIFIC WEIGHT OF WATER.....g/cm3 :	1.029
SEDIMENT DRY DENSITY.....g/cm3 :	2.72

DEPTH cm.	Vp	Vp RATIO	Vp ATT.	MEAN G. SIZE	PORO	VOID RATIO	WET DENSITY	DRY DENSITY	DENSITY RATIO	WATER CONT.	FORM. FACTORI	Vs	Vs ATT.
5				2.37	61.32	1.58	1.66	2.72	1.62	58.08			
10				1.04	60.77	1.54	1.67	2.73	1.63	56.75			
15				0.67	51.25	1.05	1.82	2.70	1.77	38.93			
20				1.49	55.30	1.23	1.77	2.74	1.72	45.15			
25				2.35	52.36	1.09	1.81	2.71	1.76	40.42			
30				2.91	48.43	0.93	1.87	2.70	1.82	34.79			
35				2.39	47.76	0.91	1.89	2.72	1.84	33.61			
40				0.87	49.51	0.98	1.87	2.72	1.82	35.92			
45				-.18	53.15	1.13	1.80	2.72	1.75	41.71			
50				-.48									
55				1.50	54.14	1.18	1.78	2.71	1.73	43.42			
60				-.24	48.90	0.95	1.88	2.73	1.83	35.06			
65				-1.5									
70				-2.7									
75				-1.2									
80				-1.4									

NOTE="OUTPUT FOR : TONARELLI "

DATE & TIME : 5-DEC-94 10:56:46

HEADER INFORMATION

FILE NAME : CORE00000269.CAL CORE NUMBER : 00000269 DATE COLLECTED : 13/03/93

CORE LOCATION

LATITUDE : 39.29.46N
LONGITUDE : 002.13.44E
SEA ZONE : 12
SAMPLE TYPE : 2

COMMENT : SAG 93-1 CRUISE MAJORCA

BOTTOM INFORMATION

SALINITY.....ppt :	37.50
TEMPERATURE.....deg.C :	14.00
DEPTH.....m..	105.0
PRESSURE.....Kg./cm2 :	10.8
WATER VELOCITY.....m./sec.:	1508.1

MEASUREMENT INFORMATION

MEASURED DISTANCE BETWEEN PROBES.....mm.:	12.00
ELECTRONIC TIME DELAY.....msec.:	0.00
ACQUISITION FREQUENCY.....KHz.:	200.0
SPECIFIC WEIGHT OF WATER.....g/cm3 :	1.029
SEDIMENT DRY DENSITY.....g/cm3 :	2.74

DATE & TIME : 5-DEC-94 10:56:46 FILE NAME : CORE00000269.CAL PAGE : 2

DEPTH cm.	Vp	Vp RATIO	Vp ATT.	MEAN G. SIZE	PORO	VOID RATIO	WET DENSITY	DRY DENSITY	DENSITY RATIO	WATER CONT.	FORM. FACTOR	Vs	Vs ATT.
5				7.05	57.97	1.37	1.73	2.74	1.68	50.34			
10	1604.40	1.048	146.10	3.33	53.38	1.14	1.82	2.75	1.76	41.50			
15				1.69	48.82	0.95	1.89	2.73	1.83	34.82			
18	1620.60	1.058	221.50										
20				2.53	47.44	0.90	1.90	2.72	1.85	33.07			
25				2.76	47.14	0.89	1.91	2.74	1.86	32.55			
30	1615.20	1.055	250.90	2.99	46.08	0.85	1.93	2.72	1.87	31.30			
35				2.59	46.61	0.87	1.91	2.71	1.86	32.10			
40	1615.20	1.055	250.90	2.43	42.73	0.74	1.96	2.68	1.91	27.73			
45				1.89	43.44	0.76	1.96	2.70	1.90	28.44			
50				1.13	42.79	0.74	1.97	2.71	1.92	27.60			
55				1.27	44.38	0.79	1.95	2.71	1.90	29.33			
58	1631.60	1.066	250.90										
60				1.45	42.45	0.73	2.00	2.74	1.95	26.83			
65				-1.4	38.71	0.63	2.06	2.73	2.00	23.13			
70				0.10	42.89	0.75	1.98	2.71	1.92	27.62			
75				1.68	41.53	0.71	2.00	2.71	1.94	26.12			
80				1.61	39.97	0.66	2.03	2.72	1.98	24.39			
85				1.62									

Report no. changed (Mar 2006): SM-286-UU

NOTE="OUTPUT FOR : TONARELLI "

DATE & TIME : 2-DEC-94 14:22:29

HEADER INFORMATION

FILE NAME : CORE00000270.CAL CORE NUMBER : 00000270 DATE COLLECTED : 13/03/93

CORE LOCATION

LATITUDE : 39.33.22N SEA ZONE : 12
LONGITUDE : 002.13.44E SAMPLE TYPE : 2

COMMENT : SAG 93-1 CRUISE MAJORCA

BOTTOM INFORMATION		MEASUREMENT INFORMATION	
SALINITY.....ppt :	37.50	MEASURED DISTANCE BETWEEN PROBES.....mm.:	12.00
TEMPERATURE.....deg.C :	14.00	ELECTRONIC TIME DELAY.....msec.:	0.00
DEPTH.....m.:	109.0	ACQUISITION FREQUENCY.....KHz.:	0.0
PRESSURE.....Kg./cm2 :	11.2	SPECIFIC WEIGHT OF WATER.....g/cm3 :	1.029
WATER VELOCITY.....m./sec.:	0.0	SEDIMENT DRY DENSITY.....g/cm3 :	2.72

DATE & TIME : 2-DEC-94 14:22:29 FILE NAME : CORE00000270.CAL PAGE : 2

DEPTH cm.	Vp	Vp RATIO	Vp ATT.	MEAN G. SIZE	PORO	VOID RATIO	WET DENSITY	DRY DENSITY	DENSITY RATIO	WATER CONT.	FORM. FACTOR	Vs	Vs ATT.
5				6.20	59.16	1.44	1.70	2.71	1.65	53.26			
10				3.37	54.96	1.22	1.77	2.72	1.72	44.69			
15				1.68									
20				0.13									
25				-3.1	49.33	0.97	1.87	2.72	1.82	35.67			
30				-.70									
35				-2.0	51.60	1.06	1.82	2.71	1.77	39.34			
40				-1.1									
45				0.12									
50				-1.7									

NOTE="OUTPUT FOR : TONARELLI

DATE & TIME : 2-DEC-94 15:19:55

HEADER INFORMATION

FILE NAME : CORE00000271.CAL CORE NUMBER : 00000271 DATE COLLECTED : 18/03/93

CORE LOCATION

LATITUDE : 39.24.52N SEA ZONE : 12
LONGITUDE : 002.15.06E SAMPLE TYPE : 2

COMMENT : SAG 93-1 CRUISE MAJORCA

BOTTOM INFORMATION		MEASUREMENT INFORMATION	
SALINITY.....ppt :	37.50	MEASURED DISTANCE BETWEEN PROBES.....mm. :	12.00
TEMPERATURE.....deg.C :	14.00	ELECTRONIC TIME DELAY.....msec. :	0.00
DEPTH.....m. :	112.0	ACQUISITION FREQUENCY.....KHz. :	200.0
PRESSURE.....Kg./cm2 :	11.5	SPECIFIC WEIGHT OF WATER.....g/cm3 :	1.029
WATER VELOCITY.....m./sec. :	0.0	SEDIMENT DRY DENSITY.....g/cm3 :	2.74

DATE & TIME : 2-DEC-94 15:19:55 FILE NAME : CORE00000271.CAL

DEPTH cm.	Vp	Vp RATIO	Vp ATT.	MEAN G. SIZE	PORO	VOID RATIO	WET DENSITY	DRY DENSITY	DENSITY RATIO	WATER CONT.	FORM. FACTOR	Vs	Vs ATT.
3	1593.90	1.041	88.00										
5				4.14	60.91	1.55	1.68	2.76	1.64	56.46			
10				2.57	45.70	0.84	1.95	2.74	1.89	30.61			
15				1.59	44.45	0.80	1.96	2.74	1.91	29.20			
18	1615.30	1.055	159.00										
20				2.17	49.64	0.98	1.86	2.72	1.81	36.25			
25				3.53	50.84	1.03	1.84	2.72	1.79	38.02			
30				3.49	50.04	1.00	1.86	2.73	1.81	36.56			
33	1615.30	1.055	159.00										
35				2.94	48.96	0.95	1.88	2.74	1.83	35.01			
40				2.71	47.26	0.89	1.91	2.72	1.85	32.82			
45				0.89	41.95	0.72	1.99	2.71	1.94	26.57			
48	1620.80	1.058	159.00										
50				0.85	48.62	0.94	1.89	2.73	1.84	34.54			
55				0.73	46.50	0.86	1.92	2.72	1.87	31.83			
60				0.44	48.01	0.92	1.89	2.73	1.84	33.83			
63	1537.80	1.004	159.00										
65				1.19	45.19	0.82	1.94	2.73	1.89	30.20			
70				1.18	46.39	0.86	1.92	2.71	1.86	31.81			
75				-.87									
80				0.62									
85				-.09									
90				-1.8									

NOTE="OUTPUT FOR : TONARELLI "

DATE & TIME : 2-DEC-94 16:04:29

HEADER INFORMATION

FILE NAME : CORE00000272.CAL CORE NUMBER : 00000272 DATE COLLECTED : 18/03/93

CORE LOCATION

LATITUDE : 39.25.05N
LONGITUDE : 002.08.51E

SEA ZONE : 12
SAMPLE TYPE : 2

COMMENT : SAG 93-1 CRUISE MAJORCA

BOTTOM INFORMATION

SALINITY.....ppt :	37.50
TEMPERATURE.....deg.C :	14.00
DEPTH.....m.:	135.0
PRESSURE.....Kg./cm2 :	13.9
WATER VELOCITY.....m./sec.:	0.0

MEASUREMENT INFORMATION

MEASURED DISTANCE BETWEEN PROBES.....mm.:	12.00
ELECTRONIC TIME DELAY.....msec.:	0.00
ACQUISITION FREQUENCY.....KHz.:	200.0
SPECIFIC WEIGHT OF WATER.....g/cm3 :	1.029
SEDIMENT DRY DENSITY.....g/cm3 :	2.73

DATE & TIME : 2-DEC-94 16:04:29 FILE NAME : CORE00000272.CAL

DEPTH cm.	Vp	Vp RATIO	Vp ATT.	MEAN G. SIZE	PORO	VOID RATIO	WET DENSITY	DRY DENSITY	DENSITY RATIO	WATER CONT.	FORM. FACTOR	Vs	Vs ATT.
5				2.88	57.78	1.36	1.72	2.72	1.67	50.31			
10	1649.00	1.076	99.20	1.71	45.54	0.83	1.93	2.72	1.88	30.75			
15				1.49	50.32	1.01	1.84	2.70	1.79	37.38			
20	1621.20	1.058	134.60	3.03	54.95	1.22	1.77	2.70	1.72	45.02			
25				3.14	50.95	1.03	1.84	2.72	1.79	38.19			
30	1626.60	1.062	151.70	2.65	46.93	0.88	1.91	2.73	1.86	32.39			
35				2.37	48.22	0.93	1.89	2.71	1.83	34.23			
40	1626.60	1.062	181.10	2.78	51.15	1.04	1.84	2.72	1.78	38.50			
45				2.44	49.16	0.96	1.86	2.69	1.81	35.82			
50	1649.00	1.076	174.20	1.72	42.94	0.75	1.94	2.66	1.89	28.29			
55				1.20	48.02	0.92	1.90	2.73	1.85	33.72			
58	1666.10	1.088	138.50										
60				0.94	42.66	0.74	2.00	2.75	1.94	27.06			
65				0.47	41.66	0.71	2.01	2.74	1.95	26.06			
70				0.62									
75				0.05									