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= DEEP SEA DRILLING PROJECT =
= GRAIN SIZE DATA BASE =
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I. INTRODUCTION

A. BACKGROUND AND METHODS

Grain size distribution analyses were routinely performed on Deep Sea Drilling Project cores at the project's shore-based labs through leg 79. Samples were divided according to the Wentworth (1922) scale into the following sediment size fractions:

SAND > 0.062 millimeters  
SILT 0.004 to 0.062 millimeters  
CLAY < 0.004 millimeters

The sand fraction was separated with a 62.5 micron sieve; the fines were processed via standard pipette techniques following Stokes settling velocities (Boyce 1972).

Detailed discussions on lab procedures may be found in the references listed below.

B. LEGS IN DATA SET

The data base contains data from legs 1-15, 17-63, 66-79.

C. REFERENCES

Boyce, R.E., 1972, Leg 11, Grain Size Analysis, In: Hollister, C.D., Ewing, J.I. et al., 1972, Initial Reports of the Deep Sea Drilling Project, Volume XI. Washington (U.S. Government Printing Office) p. 1047.

Appendix III: Shore-based laboratory procedures. In Bader, R.G. Project. In: Hays, J.D. et al., 1972, Initial Reports of the Deep Sea Drilling Project, Volume IX. Washington (U.S. Government Printing Office) pp. 779-796.

Wentworth, C.K., 1922, A scale of grade and class terms for clastic sediments. J. Geol. Vol. 30, p. 377.

## II. FORMAT AND FIELD DESCRIPTIONS

## A. DATA FORMAT

Record length = 59 characters (13079 records)

COLUMN	FIELD	FORMAT
=====	=====	=====
1-2	LEG	A2
3-5	SITE	A3
6	HOLE	A1
7-9	CORE	A3
10-11	SECTION	A2
12-15	TOP INTERVAL DEPTH (centimeters)	F4.1
16-19	BOTTOM INTERVAL DEPTH (centimeters)	F4.1
20-27	TOP OF CORE DEPTH (meters)	F8.2
28-35	SAMPLE DEPTH (meters)	F8.2
36-43	PERCENT SAND	F8.1
44-51	PERCENT SILT	F8.1
52-59	PERCENT CLAY	F8.1

## B. FIELD DESCRIPTIONS

The definition of leg, site, hole, core and section may be found in the explanatory notes. In addition, the special core designations, as well as the methods of sample labeling and calculating absolute sample depths are discussed.

## INTERVAL DEPTH:

The depth, in centimeters, within a section at which the top or bottom of a measurement was taken. Values are encoded with an implicit decimal point an encoded value of 805 represents 80.5 centimeters.

## CORE DEPTH:

The subbottom depth in meters to the top of the core.

## SAMPLE DEPTH:

The subbottom depth in meters to the point of measurement.

## PERCENT SAND, SILT OR CLAY:

The relative percent of each component in the sample.

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