

## 63. IDENTIFICATION AND CORRECTION OF A SYSTEMATIC ERROR IN INDEX PROPERTY MEASUREMENTS<sup>1</sup>

D. C. Nobes,<sup>2</sup> M. G. Langseth,<sup>3</sup> S. Kuramoto,<sup>4</sup> and P. Holler<sup>5</sup>

### ABSTRACT

During Legs 127 and 128, we found a systematic error in the index property measurements, in that the wet bulk density, grain density, and porosity did not satisfy well-established interrelationships. We have found that an almost constant difference exists between the weight of water lost during drying and the volume of water lost. This discrepancy is independent of volume or water content of the sample. The water losses should be equal because the density of water is close to 1.0 g/cm<sup>3</sup>. The pycnometer wet volume measurement has been identified as the source of the systematic error. The wet volume on average is 0.2 cm<sup>3</sup> too low. For the rare cases when the water content is negligible, there is no offset. The source of the wet volume error results from the partial vapor pressure of water in the pycnometer cell. Newly corrected tables of index properties measured during Legs 127 and 128 are included. The corrected index properties are internally consistent. The data are in better agreement with theoretical models that relate the index properties to other physical properties, such as thermal conductivity and acoustic velocity. In future, a standard volume sampler should be used, or the wet volume should be calculated from the dry volume and the water loss by weight.

### INTRODUCTION

Correct and accurate data are needed for any scientific endeavor. If a situation arises where the reliability of a data set is called into question, then the data must either be rejected or the source of the error(s) must be identified and corrected. We encountered problems with the index properties on the ship during Legs 127 and 128. In particular, the crossplot between wet bulk density and porosity did not follow the expected trend (Shipboard Scientific Party, 1990a, 1990b). Others have encountered similar problems before (e.g., O'Brien and Manghnani, 1991; L. Mayer, pers. comm., 1990). We suspected that the problem lay with the wet volume measurements, as others have before (Shipboard Scientific Party, 1988), and have since been able to confirm our suspicions.

We performed a detailed analysis of the discrepancy in the volume measurements and found that the wet volume measurement is systematically in error. The technique is general and can be widely applied. We first review the evidence and possible mechanism for a volume error, then outline the methodology used to correct these data. New tables of corrected, internally consistent index properties were prepared. We illustrate the effects on some physical property interrelationships. Finally, we suggest how wet volume measurements may be more reliably obtained in the future by avoiding a direct measurement of the wet volume.

### ERROR IDENTIFICATION

The crossplot of wet bulk density vs. porosity for Site 797 (Fig. 1) illustrates most clearly the inconsistency noted in the index properties. The wet bulk density,  $d_b$ , should be related to the porosity,  $\phi$ , the fluid (seawater) density,  $d_w$ , and the grain density,  $d_g$ , through a standard mixing relation as:

$$d_b = \phi d_w + (1 - \phi) d_g. \quad (1)$$

A set of such lines is shown in Figure 1 for a range of grain densities. Nearly all of the densities and porosities determined on board the ship during Legs 127 and 128 lie above the lines defined by using the grain densities determined from the dry weight and volume measurements for the same samples. This indicates that the index properties determined on board the ship are not self-consistent. This test can be used to determine the internal consistency of any set of index property data.

The wet bulk density is defined from direct sample weight and volume measurements as:

$$\frac{\text{Total Wet Weight}}{\text{Total Wet Volume}} \quad (2)$$

Similarly, the porosity is defined as:

$$\frac{\text{Total Water Volume}}{\text{Total Wet Volume}} \quad (3)$$

The grain density is determined from the corrected dry measurements as:

$$\frac{\text{Total Dry Weight}}{\text{Total Dry Volume}} \quad (4)$$

The details of the measurements, including the corrections for the salt residue remaining after drying and an analysis of the measurement errors, were discussed by Nobes et al. (1991) and are not presented here. If the total wet volume, which we simply call the wet volume, is too low because of some systematic error, then the wet bulk density and porosity will be consistently too high; conversely, if the (total) dry volume is too high, then the grain density will be too low. We conducted a shipboard test using dry vials and powders of known density and obtained results within expected accuracies, thus eliminating the dry volume as the source of the systematic error. The aluminum vials had densities within 0.1 g/cm<sup>3</sup> of the standard value of 2.70 g/cm<sup>3</sup> for the density of aluminum; densities of 2.67 and 2.19 g/cm<sup>3</sup> for calcium carbonate and sodium chloride, respectively, are in good agreement with standard values of 2.710 and 2.163 g/cm<sup>3</sup>, respectively (Johnson and Olhoeft, 1984).

The pycnometer has been designed for use with dry powders and should not be used to determine the volume of a wet sample (Quantachrome, 1984). When a wet sample is placed inside the pycnometer cell and if some water vapor forms, the pressure of the helium that

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<sup>2</sup> Department of Earth Sciences and Department of Physics, University of Waterloo, Waterloo, Ontario N2L 3G1, Canada. New address: Department of Geology, University of Canterbury, Private Bag 4800, Christchurch, New Zealand.

<sup>3</sup> Lamont-Doherty Geological Observatory, Columbia University, Palisades, NY 10964, U.S.A.

<sup>4</sup> Ocean Research Institute, University of Tokyo, 1-15-1 Minamidai, Nakano-ku, Tokyo 164, Japan.

<sup>5</sup> Geologisch-Paläontologisches Institut der Universität Kiel, Olshausenstrasse 40, 2300 Kiel, F.R.G.

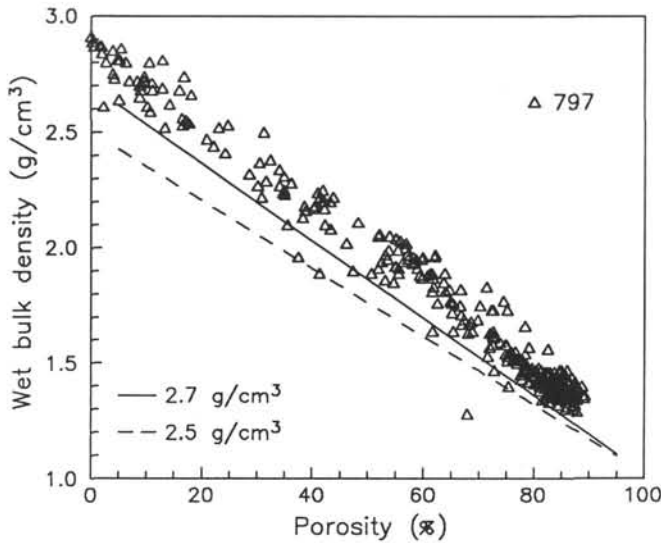


Figure 1. Wet bulk density vs. porosity for Site 797 of Leg 127. The lines represent the density-porosity relationships expected for the observed grain densities. Data lie well above these lines, indicating that the wet bulk densities and porosities are high and/or the grain densities are low.

can be introduced into the cell will be reduced, and the wet volume of the sample will be underestimated. The pycnometer uses the ideal gas law to estimate the volume of the unknown sample (Quantachrome, 1984; e.g., Adkins, 1968).

The sample is placed in an empty cell, and the cell is purged. That is, the residual gas is taken out of the system. Any water evaporating during this time is removed. The system is then closed, and the ambient pressure is recorded. All readings are taken with respect to this ambient pressure, so that any water vapor present is included in the ambient pressure. The volume of the empty cell is  $V_C$ . At the system ambient pressure,  $P_A$ , and temperature,  $T$  in kelvin, the ideal gas law is

$$P_A V_C = n_1 RT, \quad (5)$$

where  $n_1$  is the number of moles of, in this case, helium in the cell at ambient pressure and temperature, and  $R$  is the gas constant. The process is conducted as much as possible isothermally, so that  $T$  is constant. When the sample of unknown volume  $V_U$  is introduced, a smaller number of moles of helium,  $n_2$ , will fill the space remaining at a pressure  $P_2$ . Then:

$$P_2(V_C - V_U) = n_2 RT. \quad (6)$$

When water vapor is present,  $n_2$  will be the number of moles of helium plus water vapor.

A valve is subsequently opened to connect a reference cell with a known volume,  $V_A$ , containing  $n_A$  moles of helium, and the pressure will fall to  $P_3$ , in which case:

$$P_3(V_C - V_U + V_A) = (n_3 + n_A)RT, \quad (7)$$

where  $n_3 + n_A$  is the total number of moles of gas, helium, and water vapor, in the system after the addition of the reference cell. The water will continue to evaporate, and the increase in the water vapor will be equal to  $n_3 - n_2$  at the time  $P_3$  is measured. Thus, we can write:

$$\begin{aligned} P_3(V_C - V_U + V_A) &= n_2 RT + n_A RT + (n_3 - n_2)RT \\ &= P_2(V_C - V_U) + P_A V_A + (n_3 - n_2)RT. \end{aligned} \quad (8)$$

The additional water that has evaporated,  $n_3 - n_2$ , results in a small increase in the partial pressure of water,  $P$ , as:

$$(n_3 - n_2)RT = \delta P(V_C - V_U + V_A). \quad (9)$$

Substituting Equation 9 into 8 yields:

$$(P_3 - \delta P)(V_C - V_U + V_A) = P_2(V_C - V_U) + P_A V_A. \quad (10)$$

The ambient pressure is taken as a background value, and is essentially set equal to zero. We collect terms, rewrite Equation 10, and obtain  $V_U$  as:

$$V_U = V_C - V_A \left[ \frac{P_3 - \delta P}{P_2 - (P_3 - \delta P)} \right]. \quad (11)$$

In the absence of water vapor, the unknown volume is determined from Equation 8 as a function of the calibrated cell volume, the known additional volume, and the measured pressures:

$$V'_U = V_C - V_A \left[ \frac{P_3}{P_2 - P_3} \right]. \quad (12)$$

Equation 12 is used to determine the unknown volume from the pycnometer volumes and pressures. By comparing Equations 11 and 12, the error in the volume of a wet sample is:

$$\delta V_U = V_U - V'_U = \frac{V_A \delta P / P_2}{(1 - R_V)^2}, \quad (13)$$

where we have only used terms linear in  $\delta P$ , since it will be small, and  $R_V$  is the decompression that occurs when the reference cell of volume  $V_A$  is added to the system, that is, the ratio of  $P_3$  to  $P_2$ .  $R_V$  is equal to the ratio of the volumes before and after the addition of the reference cell:

$$R_V = \frac{V_C - V_U}{V_C + V_A - V_U}. \quad (14)$$

Comparison of the weight of water lost during drying of the sample with the volume of water lost, as measured in the pycnometer, provides a test for errors in volume measurements. Cross-plots of all the data for Legs 127 (Fig. 2A) and 128 (Fig. 2B) show a consistent  $0.2 \text{ cm}^3$  offset from the line that corresponds to a water density of  $1.00 \text{ g/cm}^3$ . This offset extends even to small water losses (Fig. 2C). Because the weight measurements are known to be accurate, the offset must result from the measurement of the volume difference between the wet and dry samples. The accuracy of the dry weight and volume measurement was confirmed during Leg 127, as reported earlier. Thus, the offset observed in Figure 2 results from the wet volume measurement.

We may estimate the partial saturation pressure of the water vapor using equation 13. From the pycnometer manual (Quantachrome, 1984),  $V_C \approx 35 \text{ cm}^3$  and  $V_A \approx 84 \text{ cm}^3$ . The sample volumes were of the order of  $5$  to  $10 \text{ cm}^3$ ; therefore,  $R_V$  is  $0.23$  to  $0.26$ . Let  $P_2 = 120 \text{ kPa}$ . The saturation vapor pressure of water at  $20^\circ\text{C}$  is about  $3 \text{ kPa}$ , which will be reduced to a value of  $3f \text{ kPa}$ , where  $f$  is equal to the fraction of partial vapor saturation. Substituting these parameters into Equation 13, we find that the volume error is  $0.2 \text{ cm}^3$  when  $f$  is only  $5\%$  to  $6\%$  of the saturation vapor pressure. The Leg 128 data exhibit a greater degree of scatter, possibly as a result of degassing (Shipboard Scientific Party, 1990c, 1990d). Thus, we have confirmed the presence of a consistent error in the wet volume measurements. Any procedures that involve the drying of a wet sample for determining its porosity and water content may be checked by comparing the weights and volumes of the water losses.

We have compared the difference between the weight of water lost and the volume of water lost with the sample wet volume, wet weight, dry volume, dry weight, water weight, and so on, and found no correlation whatsoever. The water loss difference vs. the wet volume is typical (Fig. 3). Similarly, there is no depth dependence (Fig. 4).

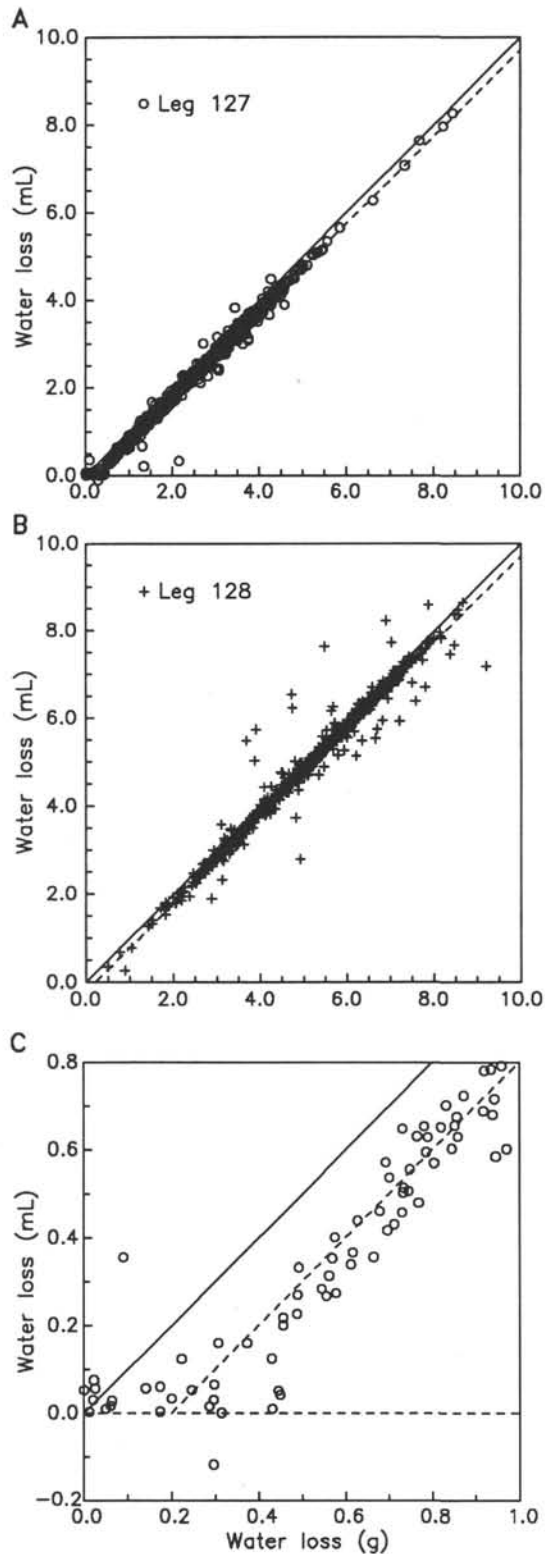


Figure 2. Volume of water lost during drying of the samples vs. weight of water lost for (A) Leg 127 (o symbols), and (B) Leg 128 (+ symbols). The solid diagonal line represents the expected value because the density of water is nearly  $1.0 \text{ g/cm}^3$ . The measured values, however, cluster about the dashed line, which represents a volume that is  $0.2 \text{ cm}^3$  too small. This offset is present even at low values of water loss (C). There is a greater scatter in the Leg 128 data, possibly arising from the degassing observed upon core recovery.

## DATA CORRECTION

A value for any one of either the wet bulk density, the grain density, or the porosity may be calculated given values for the other two properties. Equation 1 relates the wet bulk density to the porosity and grain density. Expressions for the grain density and porosity are, respectively:

$$d_g = \frac{d_b - \phi d_w}{(1 - \phi)}, \quad (15)$$

and

$$\phi = \frac{d_g - d_b}{d_g - d_w}. \quad (16)$$

An individual set of index properties is internally consistent if the measured and calculated properties differ by less than the estimated cumulative measurement errors. For example, if the difference between the measured grain density and the grain density calculated from equation 11 is less than  $0.2 \text{ g/cm}^3$ , then the index properties should be internally consistent. The error in the porosity is of the order of 3% or less, the error in the grain density is  $0.2 \text{ g/cm}^3$  or less, and the error in the volume measurements was of the order of  $0.1 \text{ cm}^3$ . The differences in the porosities, the grain densities, and the water losses for the final data sets are presented Appendixes A and B (on microfiche).

We attempted to simultaneously minimize the grain density, porosity, and water loss differences, and the sum of the squared relative errors. We note that for the early sites (e.g., Site 794), this was not completely successful; some residual difference always remained. For later sites, however, as the calibration of the sample cylinders was improved, the errors were reduced. Poor calibration can lead to additional errors and larger differences in the index property intercomparisons.

The complete data set was edited for spurious errors. These errors are often obvious when the complete file is examined. A few samples could not be corrected without assuming that a pair of digits in one of the sample weights or volumes had been transposed, or that one of the digits had been incorrectly recorded. A total of 10 sets of data values could not be made internally consistent. These records are listed in Table 1 and have been deleted. A few records existed for which the dry weights and volumes were clearly wrong; the dry values for a previous sample had been recorded instead. Certain consecutive entries are identical when adjacent consecutive entries are not. The repeated entries were deleted; the wet bulk density remains, but there are no longer any values for the porosity, water content, dry bulk density, or grain density.

The final records of corrected index properties are presented in Tables 2 (Leg 127) and 3 (Leg 128). These tables replace the data tabulated in the Leg 127 and Leg 128 *Initial Reports* volumes.

## COMPARISONS OF PHYSICAL PROPERTIES

In Figure 5, we compare the corrected and uncorrected data from Hole 797 in a plot of density vs. porosity. Note the shift to lower wet bulk densities and porosities, so that the data points now cluster near the lines that are representative of the grain densities determined for the sampled cores.

Shipboard correlations of thermal conductivity with porosity required unrealistically high grain thermal conductivities (Shipboard Scientific Party, 1990a, 1990b) to get a match between the data and the theoretical curves, based on the geometric mean model (Woodside and Messmer, 1961). Using the corrected data, on the other hand, we obtain a better match to model curves using values for the grain thermal conductivity that are more in line with those expected for silica and clay minerals (Fig. 6). Similarly, the corrected data are better fit by theoretical models for the acoustic velocity vs. porosity (Nobes, 1989; Nobes et al., 1991), using grain densities in agreement with measured values (Fig. 7).

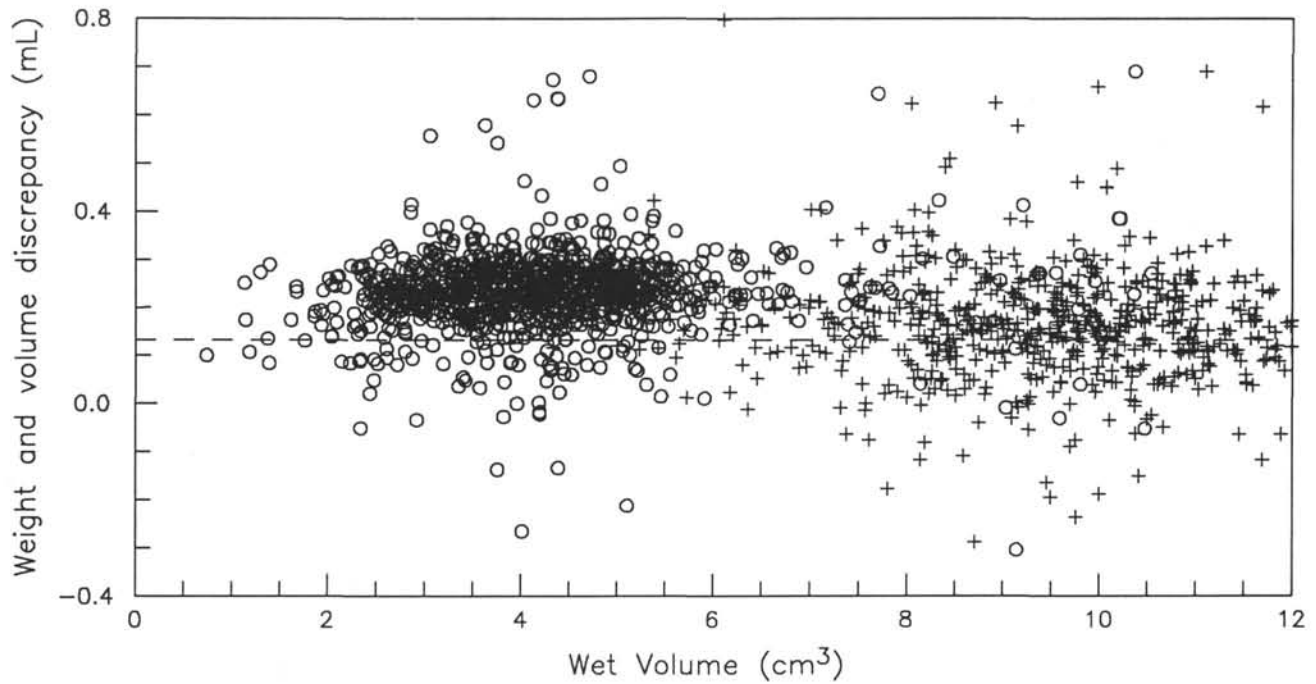


Figure 3. There is no correlation between the water loss discrepancy and other properties, such as the wet volume, as shown here. Symbols are the same as those in Figure 2.

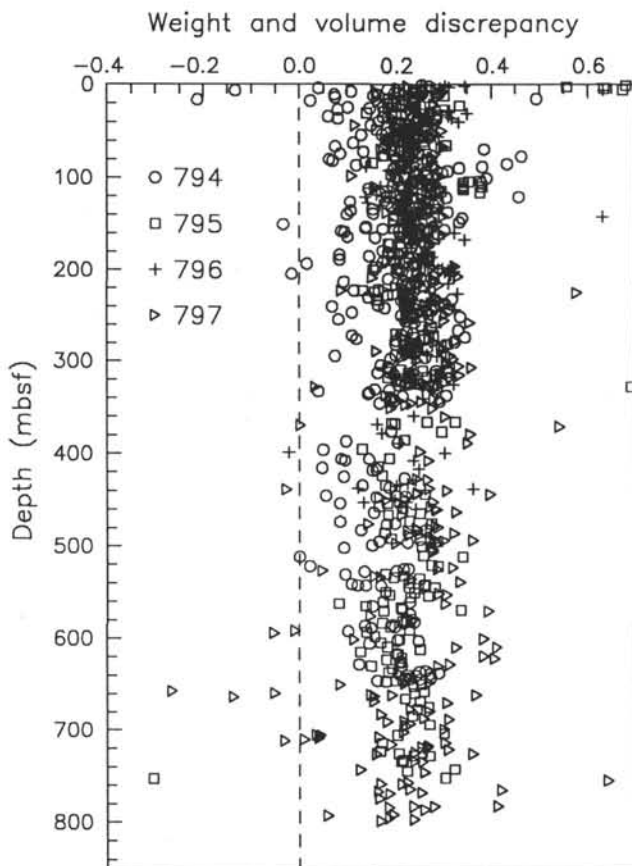


Figure 4. No apparent correlation exists between water loss discrepancy and sample depth.

### DETERMINATION OF WET VOLUMES

The problem with determining the volume using the pycnometer is common to all measurements of wet samples. Two simple and straightforward ways are available to deal with this problem: (1) using a sampling device that yields a standard volume; or (2) calculating the wet volume from weight and dry volume measurements. Both methods have their advantages and disadvantages. Regardless of the method, however, the technique of testing the internal consistency of a set of index properties is simple, useful, and can quickly indicate whether a problem exists.

A standard sampling device has the advantage of yielding a consistent sample size. No measurement needs to be entered, removing possible data entry errors, and the index properties are more readily calculated. The disadvantage is that the sampler must be completely and properly filled. Incomplete samples are easily identified, however, because the index properties for that particular sample will not be internally consistent. Unfortunately, correction factors cannot be so easily determined.

Table 1. Deleted index property records for Legs 127 and 128.

Section identifier	Interval (cm)
127-797B-25X-1	100-102
128-798B-15X-7	75-77
128-798B-15X-8	75-80
128-798B-19X-2	60-65
128-798B-21X-3	59-61
128-798B-30X-6	100-105
128-798B-39X-5	92-94
128-799A-3H-5	12-14
128-799A-6H-5	20-22
128-799A-14H-2	40-45

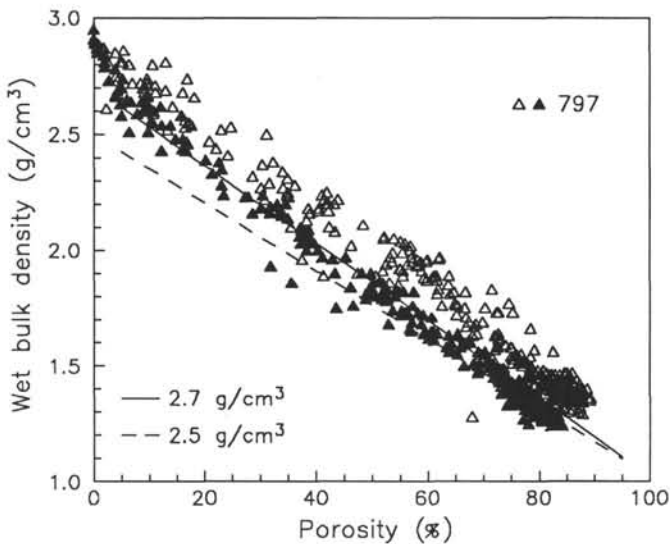


Figure 5. Corrected wet volume yields the expected agreement with theoretical mixing models for wet bulk density vs. porosity. Only data from Site 797 are shown here so that improvement can be more readily seen. Model curves are for different grain densities, as indicated.

Alternatively, and we think preferably, the wet volume can be calculated from the dry volume and the water loss, as has been suggested previously (e.g., O'Brien and Manghnani, in press). Because the weight of water lost is virtually equal to the volume of water lost during drying, the wet volume is the sum of the dry volume and the weight of the water lost.

### CONCLUSIONS

We have described a straightforward and generally applicable procedure to identify and correct a systematic error in the wet volume, most likely resulting from the partial pressure of water in the pycnometer measurement cell. A mere 5% to 6% partial saturation of water vapor is required to obtain the observed systematic error of  $0.2 \text{ cm}^3$ .

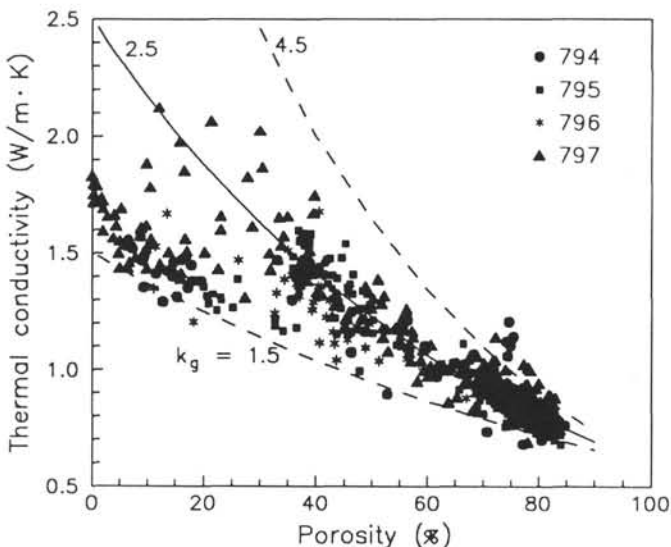


Figure 6. Leg 127 thermal conductivity vs. porosity no longer requires abnormally high grain thermal conductivities to get agreement of the data with theoretical models. Geometric mean model curves were computed for different values of grain thermal conductivity, as indicated.

The most obvious way in which to eliminate such errors is to avoid the wet volume measurement altogether, either by using a standard volume sampling device or, preferably, by using the relation that the wet volume is the sum of the dry volume and the weight of the water lost during sample drying. By using the corrected wet volume, we obtained much improved agreement of the index property data with theoretical models of physical property interrelationships.

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Table 2. The corrected index properties for Leg 127.

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )				$\phi$ (%)	$w$ (%)	Water ratio	$e$	$v$
		Wet bulk	Dry bulk	Grain						
794A-1H-1, 100-101	1.00	1.31	0.47	2.55	79.5	64.6	5.47	6.47	1.81	
794A-1H-2, 100-101	2.50	1.43	0.63	2.77	75.4	56.1	3.85	4.85	1.27	
794A-1H-3, 100-101	4.00	1.31	0.50	2.39	76.5	62.0	4.14	5.14	1.63	
794A-1H-4, 100-101	5.50	1.28	0.45	2.35	78.6	65.4	4.64	5.64	1.87	
794A-1H-5, 50-51	6.50	1.49	0.72	2.78	72.8	49.0	2.31	3.31	0.96	
794A-2H-1, 100-101	7.80	1.41	0.62	2.59	74.2	56.1	3.49	4.49	1.27	
794A-2H-2, 100-101	9.30	1.38	0.55	2.73	77.7	59.6	5.17	6.17	1.49	
794A-2H-3, 100-101	10.80	1.31	0.43	2.67	82.0	66.6	6.05	7.05	2.00	
794A-2H-4, 100-101	12.30	1.43	0.64	2.72	74.6	56.1	3.74	4.74	1.27	
794A-2H-5, 100-101	13.80	1.62	0.91	2.89	67.7	44.3	2.35	3.35	0.79	
794A-2H-6, 100-101	15.30	1.50	0.73	2.71	71.9	50.9	2.93	3.93	1.04	
794A-2H-7, 50-51	16.30	1.34	0.49	2.69	80.0	63.2	5.47	6.47	1.72	
794A-3H-1, 100-102	17.30	1.34	0.54	2.33	75.1	59.3	4.13	5.13	1.47	
794A-3H-2, 100-102	18.80	1.42	0.65	2.50	72.7	54.2	3.50	4.50	1.18	
794A-3H-3, 100-102	20.30	1.44	0.67	2.63	72.9	53.7	3.47	4.47	1.16	
794A-3H-4, 100-102	21.80	1.39	0.56	2.83	78.2	59.4	5.06	6.06	1.48	
794A-3H-5, 100-102	23.30	1.45	0.66	2.79	74.9	54.8	3.79	4.79	1.21	
794A-3H-6, 100-102	24.80	1.57	0.88	2.65	65.0	43.8	2.12	3.12	0.78	
794A-3H-7, 40-42	25.70	1.46	0.72	2.54	69.8	50.6	2.86	3.86	1.03	
794A-4H-1, 100-102	26.80	1.61	0.92	2.78	64.8	42.7	2.11	3.11	0.75	
794A-4H-2, 100-102	28.30	1.41	0.65	2.48	71.6	53.6	3.53	4.53	1.16	
794A-4H-3, 100-102	29.80	1.38	0.61	2.35	72.7	55.7	3.75	4.75	1.27	
794A-4H-4, 100-102	31.30	1.36	0.55	2.59	76.8	59.7	4.83	5.83	1.49	
794A-4H-5, 100-102	32.80	1.49	0.76	2.57	68.7	49.0	3.17	4.17	0.96	
794A-4H-6, 100-102	34.30	1.50	0.75	2.74	70.4	48.4	2.67	3.67	0.94	
794A-4H-7, 30-32	35.10	1.57	0.87	2.69	65.4	44.1	2.31	3.31	0.79	
794A-5H-1, 100-102	36.30	1.41	0.62	2.62	74.2	56.0	3.47	4.47	1.26	
794A-5H-2, 100-102	37.80	1.94	1.35	3.13	55.6	30.5	1.78	2.78	0.44	
794A-5H-3, 100-102	39.30	1.56	0.85	2.70	66.7	45.4	2.44	3.44	0.84	
794A-5H-4, 100-102	40.80	1.41	0.61	2.69	75.7	57.0	4.32	5.32	1.33	
794A-5H-5, 100-102	42.30	1.44	0.65	2.72	74.4	54.8	3.92	4.92	1.22	
794A-5H-6, 100-102	43.80	1.37	0.57	2.61	75.8	58.4	4.10	5.10	1.41	
794A-6H-1, 100-102	45.80	1.32	0.51	2.40	76.9	61.7	4.70	5.70	1.61	
794A-6H-2, 100-102	47.30	1.45	0.62	2.96	78.3	57.1	5.81	6.81	1.34	
794A-6H-3, 100-102	48.80	1.39	0.58	2.64	76.1	58.4	4.77	5.77	1.40	
794A-6H-4, 100-102	50.30	1.37	0.54	2.68	78.6	60.8	5.87	6.87	1.55	
794A-6H-5, 100-102	51.80	1.45	0.69	2.65	72.1	52.8	3.60	4.60	1.12	
794A-6H-6, 100-102	53.30	1.50	0.75	2.77	70.3	49.7	3.19	4.19	0.99	
794A-6H-7, 45-47	54.25	1.65	1.02	2.68	59.5	38.3	1.72	2.72	0.62	
794A-7H-1, 100-102	55.30	1.70	1.10	2.63	56.7	35.5	1.52	2.52	0.55	
794A-7H-2, 100-102	56.80	1.56	0.85	2.69	66.9	45.5	2.57	3.57	0.83	
794A-7H-3, 100-102	58.30	1.67	1.01	2.75	61.7	39.2	1.99	2.99	0.65	
794A-7H-4, 100-102	59.80	1.43	0.69	2.50	70.2	51.9	2.99	3.99	1.08	
794A-7H-5, 100-102	61.30	1.38	0.58	2.56	76.0	58.2	4.50	5.50	1.40	
794A-7H-6, 100-102	62.80	1.50	0.75	2.73	70.2	49.6	2.94	3.94	0.99	
794A-7H-7, 50-52	63.80	1.42	0.64	2.62	74.1	55.4	4.03	5.03	1.24	
794A-8H-1, 100-102	64.80	1.38	0.60	2.47	73.5	56.5	3.71	4.71	1.29	
794A-8H-2, 100-102	66.30	1.45	0.70	2.62	70.7	51.8	2.97	3.97	1.07	
794A-8H-3, 100-102	67.80	1.39	0.59	2.62	74.9	57.1	4.21	5.21	1.34	
794A-8H-4, 100-102	69.30	1.50	0.80	2.46	65.5	48.0	2.99	3.99	0.93	
794A-8H-5, 100-102	70.80	1.36	0.55	2.59	76.4	59.4	4.48	5.48	1.47	
794A-8H-6, 100-102	72.30	1.45	0.68	2.70	72.6	53.2	3.34	4.34	1.13	
794A-9H-1, 100-102	74.30	1.35	0.54	2.56	76.6	59.3	3.97	4.97	1.46	
794A-9H-2, 100-102	75.80	1.41	0.62	2.61	74.4	55.7	3.97	4.97	1.27	
794A-9H-3, 100-102	77.30	1.46	0.71	2.50	70.7	53.3	4.78	5.78	1.15	
794A-9H-4, 100-102	78.80	1.37	0.58	2.47	74.5	57.6	3.96	4.96	1.36	
794A-9H-5, 100-102	80.30	1.32	0.50	2.40	77.2	64.1	4.36	5.36	1.78	
794A-9H-6, 100-102	81.80	1.33	0.50	2.41	77.6	61.9	4.09	5.09	1.64	
794A-10H-1, 100-102	83.80	1.35	0.49	2.81	80.7	62.7	5.72	6.72	1.69	
794A-10H-2, 100-102	85.30	1.40	0.56	2.97	79.2	59.8	5.26	6.26	1.49	
794A-10H-3, 100-102	86.80	1.37	0.54	2.62	77.6	60.3	4.33	5.33	1.52	
794A-10H-4, 100-102	88.30	1.37	0.57	2.45	74.6	61.1	5.06	6.06	1.57	
794A-10H-5, 100-102	89.80	1.37	0.56	2.57	75.8	59.0	4.84	5.84	1.44	
794A-10H-6, 100-102	91.30	1.40	0.60	2.65	75.3	57.5	4.07	5.07	1.34	
794A-11H-1, 100-102	93.30	1.31	0.51	2.24	75.3	61.9	5.74	6.74	1.62	
794A-11H-2, 100-102	94.80	1.33	0.52	2.46	76.8	61.2	5.11	6.11	1.58	
794A-11H-3, 100-102	96.30	1.34	0.51	2.54	77.9	61.9	6.06	7.06	1.61	
794A-11H-4, 100-102	97.80	1.33	0.49	2.56	78.9	63.0	5.89	6.89	1.69	
794A-11H-5, 100-102	99.30	1.35	0.49	2.84	80.6	63.4	6.45	7.45	1.74	
794A-11H-6, 100-102	100.80	1.30	0.53	2.07	72.3	61.5	4.10	5.10	1.60	
794A-12H-1, 100-102	102.80	1.35	0.51	2.68	78.8	62.1	5.36	6.36	1.63	
794A-12H-2, 100-102	104.30	1.33	0.50	2.53	78.8	62.8	5.26	6.26	1.68	
794A-12H-3, 100-102	105.80	1.31	0.47	2.46	79.1	64.0	6.59	7.59	1.79	
794A-12H-4, 100-102	107.30	1.41	0.63	2.47	72.8	54.9	4.10	5.10	1.22	
794A-12H-5, 100-102	108.80	1.31	0.48	2.43	78.0	63.5	4.93	5.93	1.73	

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)					
794A-12H-6, 100-102	110.30	1.33	0.52	2.31	76.1	60.5	5.00	6.00	1.54	
794A-12H-7, 22-24	111.02	1.32	0.50	2.40	77.3	62.7	4.76	5.76	1.67	
794A-13H-1, 100-102	112.30	1.29	0.45	2.46	79.4	65.2	5.26	6.26	1.88	
794A-13H-2, 100-102	113.80	1.35	0.53	2.48	76.9	60.8	4.91	5.91	1.54	
794A-13H-3, 100-102	115.30	1.32	0.48	2.46	78.8	63.4	5.57	6.57	1.74	
794A-13H-4, 100-102	116.80	1.38	0.56	2.68	77.2	59.3	4.63	5.63	1.45	
794A-13H-5, 100-102	118.30	1.35	0.51	2.61	79.1	62.4	4.83	5.83	1.65	
794A-13H-6, 100-102	119.80	1.48	0.72	2.67	71.5	51.2	3.52	4.52	1.05	
794A-13H-7, 38-40	120.68	1.42								
794A-14H-1, 100-102	121.80	1.43	0.67	2.44	71.3	52.9	3.55	4.55	1.13	
794A-14H-2, 100-102	123.30	1.45	0.67	2.67	73.5	54.0	3.65	4.65	1.17	
794A-14H-3, 100-102	124.80	1.40	0.60	2.68	76.0	57.6	4.28	5.28	1.35	
794A-14H-4, 100-102	126.30	1.51	0.80	2.59	67.3	47.2	2.56	3.56	0.90	
794A-14H-5, 100-102	127.80	1.38	0.57	2.55	76.0	58.7	4.06	5.06	1.42	
794A-14H-6, 100-102	129.30	1.44	0.66	2.66	73.7	54.3	4.03	5.03	1.19	
794A-14H-7, 22-24	130.02	1.49	0.76	2.49	68.6	50.2	3.24	4.24	1.01	
794A-15H-1, 100-102	131.30	1.50	0.76	2.60	69.1	49.0	2.88	3.88	0.96	
794A-15H-2, 100-102	132.80	1.27	0.45	2.23	77.5	64.8	4.80	5.80	1.83	
794A-15H-3, 100-102	134.30	1.34	0.53	2.44	76.4	60.0	4.21	5.21	1.49	
794A-15H-4, 100-102	135.80	1.31	0.44	2.61	81.8	60.5	8.18	9.18	1.54	
794A-15H-5, 100-102	137.30	1.31	0.51	2.20	75.2	61.2	4.87	5.87	1.56	
794A-15H-6, 100-102	138.80	1.32	0.51	2.33	76.0	61.3	4.38	5.38	1.58	
794A-15H-7, 60-62	139.90	1.29	0.43	2.49	80.6	63.4	5.30	6.30	1.71	
794A-16X-1, 100-102	140.80	1.31	0.47	2.44	79.4	64.5	8.95	9.95	1.80	
794A-16X-2, 100-102	142.30	1.36	0.52	2.68	79.1	61.8	6.56	7.56	1.61	
794A-16X-3, 100-102	143.80	1.26	0.43	2.21	78.6	66.0	7.08	8.08	1.94	
794A-16X-4, 100-102	145.30	1.30	0.45	2.51	79.6	65.2	5.79	6.79	1.86	
794A-16X-5, 100-102	146.80	1.29	0.44	2.49	80.5	66.1	9.30	10.30	1.95	
794A-16X-6, 100-102	148.30	1.31	0.41	2.88	84.6	68.8	15.60	16.60	2.2	
794A-17X-1, 100-102	150.50	1.31								
794A-17X-2, 100-102	152.00	1.30	0.46	2.27	78.5	66.3	7.86	8.86	1.97	
794A-17X-3, 100-102	153.50	1.32	0.46	2.71	81.7	65.5	7.93	8.93	1.90	
794A-17X-4, 100-102	155.00	1.29	0.43	2.48	80.8	66.4	6.65	7.65	1.99	
794A-17X-5, 100-102	156.50	1.30	0.49	2.27	76.0	64.8	6.52	7.52	1.84	
794A-17X-6, 100-102	158.00	1.28	0.43	2.28	80.2	66.5	4.92	5.92	1.99	
794A-17X-7, 30-32	158.80	1.30	0.42	2.77	82.8	64.9	6.56	7.56	1.85	
794A-19X-1, 100-102	169.50	1.34	0.51	2.62	78.2	62.2	4.03	5.03	1.63	
794A-19X-2, 100-102	171.00	1.30	0.49	2.28	76.6	63.4	6.80	7.80	1.72	
794A-19X-3, 100-102	172.50	1.32	0.48	2.57	79.3	63.8	6.14	7.14	1.77	
794A-19X-4, 100-102	174.00	1.30	0.46	2.34	79.9	65.1	6.68	7.68	1.86	
794A-19X-5, 100-102	175.50	1.34	0.48	2.58	81.2	64.4	8.26	9.26	1.80	
794A-20X-1, 100-102	179.20	1.21	0.44	1.69	72.6	63.8	4.63	5.63	1.77	
794A-20X-2, 100-102	180.70	1.29	0.47	2.24	77.0	63.3	5.52	6.52	1.72	
794A-20X-3, 100-102	182.20	1.33	0.52	2.44	76.5	61.0	5.76	6.76	1.55	
794A-20X-4, 100-102	183.70	1.34	0.50	2.59	78.9	62.3	5.71	6.71	1.64	
794A-20X-5, 100-102	185.20	1.28	0.46	2.31	77.7	64.3	5.84	6.84	1.81	
794A-20X-6, 100-102	186.70	1.33	0.56	2.21	72.6	60.3	5.28	6.28	1.51	
794A-20X-7, 30-32	187.50	1.31	0.48	2.29	78.6	63.5	7.73	8.73	1.75	
794A-21X-1, 110-112	189.00	1.29	0.44	2.41	79.2	65.3	5.04	6.04	1.89	
794A-21X-2, 110-112	190.50	1.30	0.49	2.24	76.0	62.2	5.16	6.16	1.65	
794A-21X-3, 110-112	192.00	1.29	0.46	2.33	77.8	64.3	4.62	5.62	1.80	
794A-21X-4, 110-112	193.50	1.30	0.50	2.29	75.4	61.5	3.55	4.55	1.60	
794A-21X-5, 80-82	194.70	1.27	0.42	2.18	79.2	66.3	6.90	7.90	1.98	
794A-22X-1, 110-112	198.60	1.27	0.46	2.11	76.4	64.0	4.68	5.68	1.76	
794A-22X-2, 110-112	200.10	1.30	0.47	2.32	78.1	63.7	5.45	6.45	1.75	
794A-22X-3, 110-112	201.60	1.29	0.44	2.35	79.5	65.9	5.88	6.88	1.91	
794A-22X-4, 110-112	203.10	1.30	0.45	2.45	80.3	65.6	7.10	8.10	1.91	
794A-22X-5, 110-112	204.60	1.30	0.46	2.30	78.5	63.7	3.76	4.76	1.74	
794A-22X-6, 110-112	206.10	1.29	0.48	2.13	76.3	62.8	4.58	5.58	1.69	
794A-23X-1, 100-102	208.20	1.30	0.46	2.30	78.8	64.3	6.16	7.16	1.80	
794A-23X-2, 100-102	209.70	1.28	0.41	2.55	81.6	68.0	7.55	8.55	2.12	
794A-23X-3, 100-102	211.20	1.28	0.46	2.21	77.4	63.8	5.82	6.82	1.77	
794A-23X-4, 100-102	212.70	1.26	0.41	2.21	80.1	67.5	5.92	6.92	2.08	
794A-23X-5, 100-102	214.20	1.23	0.39	1.99	78.6	68.0	5.37	6.37	2.12	
794A-23X-6, 100-102	215.70	1.33	0.50	2.49	78.0	62.3	5.00	6.00	1.65	
794A-25X-1, 100-103	227.50	1.24	0.37	2.36	82.2	70.3	6.81	7.81	2.37	
794A-25X-2, 100-103	229.00	1.24	0.36	2.30	82.1	70.3	6.83	7.83	2.39	
794A-25X-3, 100-103	230.50	1.25	0.38	2.38	81.6	69.1	5.98	6.98	2.25	
794A-25X-4, 100-103	232.00	1.22	0.35	2.13	81.2	70.7	7.12	8.12	2.44	
794A-25X-5, 34-37	232.84	1.84	1.24	2.91	56.2	32.5	1.50	2.50	0.48	
794A-25X-5, 100-103	233.50	1.22	0.35	2.28	82.2	71.4	6.75	7.75	2.51	
794A-26X-1, 100-102	237.20	1.25	0.39	2.32	81.2	68.8	9.69	10.69	2.22	
794A-26X-2, 100-102	238.70	1.27	0.40	2.54	82.1	68.6	6.68	7.68	2.17	
794A-26X-3, 100-102	240.20	1.26	0.39	2.48	82.2	69.3	5.77	6.77	2.24	
794A-26X-4, 100-102	241.70	1.26	0.41	2.29	79.6	67.1	8.14	9.14	2.05	

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					Water ratio	$e$	$\nu$
		Wet bulk	Dry bulk	Grain	$\phi$ (%)	$w$ (%)			
794A-26X-5, 100-102	243.20	1.25	0.38	2.32	81.7	69.3	7.29	8.29	2.28
794A-26X-6, 100-102	244.70	1.29	0.45	2.29	78.6	65.1	5.70	6.70	1.84
794A-27X-1, 100-102	247.00	1.21	0.36	2.11	80.4	70.1	6.25	7.25	2.37
794A-27X-2, 100-102	248.50	1.26	0.42	2.14	79.2	66.6	5.75	6.75	1.99
794A-27X-3, 100-102	250.00	1.26	0.38	2.43	82.3	69.7	7.64	8.64	2.27
794A-27X-4, 100-102	251.50	1.25	0.38	2.32	82.3	70.1	9.28	10.28	2.32
794A-27X-5, 100-102	253.00	1.28	0.41	2.54	82.5	68.2	8.86	9.86	2.15
794A-27X-6, 100-102	254.50	1.25	0.37	2.41	83.3	70.7	6.31	7.31	2.42
794A-28X-1, 100-102	256.70	1.27	0.41	2.42	81.5	67.8	6.96	7.96	2.13
794A-28X-2, 70-72	257.90	1.25	0.38	2.36	82.6	69.7	7.63	8.63	2.32
794A-29X-1, 80-82	266.20	1.27	0.42	2.23	79.5	66.4	6.66	7.66	2.00
794A-29X-2, 80-82	267.70	1.27	0.42	2.36	80.7	67.1	6.37	7.37	2.06
794A-29X-3, 80-82	269.20	1.38	0.54	2.72	79.3	61.0	6.00	7.00	1.56
794A-29X-4, 80-82	270.70	1.30	0.44	2.57	81.0	66.4	6.60	7.60	1.97
794A-29X-5, 80-82	272.20	1.34	0.51	2.53	78.1	62.1	4.51	5.51	1.63
794A-30X-1, 100-102	276.10	1.27	0.40	2.49	81.8	68.6	5.97	6.97	2.16
794A-30X-2, 100-102	277.60	1.26	0.38	2.53	82.6	69.9	7.82	8.82	2.29
794A-30X-3, 100-102	279.10	1.30	0.48	2.20	76.7	62.8	5.50	6.50	1.69
794A-30X-4, 100-102	280.60	1.35	0.49	2.77	81.0	63.7	6.73	7.73	1.76
794A-30X-5, 100-102	282.10	1.35	0.51	2.63	78.7	62.0	6.49	7.49	1.64
794A-31X-1, 100-102	285.60	1.28	0.43	2.29	80.2	66.7	6.16	7.16	2.00
794A-31X-2, 100-102	287.10	1.27	0.40	2.46	82.1	68.8	6.08	7.08	2.17
794A-31X-3, 100-102	288.60	1.29	0.41	2.76	83.1	68.4	7.93	8.93	2.15
794A-31X-4, 100-102	290.10	1.28	0.41	2.56	82.5	68.2	7.71	8.71	2.15
794A-31X-5, 100-102	291.60	1.28	0.42	2.42	81.3	67.3	8.47	9.47	2.07
794A-31X-6, 100-102	293.10	1.28	0.46	2.23	77.1	64.0	4.70	5.70	1.76
794A-32X-1, 100-103	294.50	1.37	0.54	2.61	77.7	60.2	4.12	5.12	1.52
794A-32X-2, 100-103	296.00	1.41	0.62	2.59	74.4	56.1	4.12	5.12	1.28
794A-32X-3, 100-103	297.50	1.47	0.73	2.57	69.5	50.1	2.91	3.91	1.01
794A-33X-1, 100-103	304.30	1.46	0.70	2.61	70.9	51.8	3.13	4.13	1.07
794A-33X-2, 100-103	305.80	1.59	0.91	2.68	64.2	42.8	2.23	3.23	0.75
794A-33X-3, 100-103	307.30	1.56	0.84	2.80	68.4	46.4	2.89	3.89	0.87
794A-33X-4, 100-103	308.80	1.55	0.80	2.84	69.9	48.0	3.09	4.09	0.92
794A-33X-5, 100-103	310.30	1.58	0.89	2.55	64.6	43.4	2.69	3.69	0.77
794A-33X-6, 100-103	311.80	1.57	0.91	2.54	62.3	42.2	2.00	3.00	0.73
794A-33X-7, 30-33	312.60	1.55	0.86	2.65	65.6	44.9	2.73	3.73	0.81
794A-34X-1, 133-136	313.93	1.91	1.31	3.08	56.2	31.2	1.62	2.62	0.46
794A-34X-2, 105-108	315.15	1.63	0.95	2.77	64.6	41.9	2.38	3.38	0.72
794A-34X-CC, 1-20	315.77	1.59	0.91	2.64	64.2	42.9	2.53	3.53	0.75
794A-35X-1, 100-102	323.20	1.54	0.89	2.32	61.1	42.1	1.95	2.95	0.73
794A-35X-2, 100-102	324.70	1.61	0.94	2.58	63.0	41.5	2.14	3.14	0.71
794A-35X-3, 100-102	326.20	1.58	0.91	2.51	63.3	42.6	2.23	3.23	0.74
794A-35X-4, 100-102	327.70	1.58	0.88	2.60	65.6	44.2	2.58	3.58	0.79
794A-35X-5, 100-102	329.20	1.54	0.82	2.61	67.5	46.6	2.61	3.61	0.87
794A-35X-6, 100-102	330.70	1.51	0.82	2.51	65.4	45.9	2.32	3.32	0.85
794A-35X-7, 20-22	331.40	1.50	0.77	2.64	69.1	48.9	2.92	3.92	0.96
794A-36X-1, 100-102	332.90	1.42	0.62	2.65	74.9	56.0	3.47	4.47	1.28
794A-36X-2, 100-102	334.40	1.47	0.75	2.51	68.0	49.2	2.64	3.64	0.97
794A-36X-3, 100-102	335.90	1.51	0.83	2.49	64.4	45.1	2.19	3.19	0.82
794A-36X-4, 100-102	337.40	1.55	0.88	2.46	63.0	43.4	2.22	3.22	0.76
794A-36X-5, 54-56	338.44	1.60	0.91	2.68	64.9	43.1	2.26	3.26	0.76
794A-37X-1, 100-102	342.60	1.46	0.70	2.66	71.6	51.8	3.33	4.33	1.08
794A-37X-2, 100-102	344.10	1.48	0.76	2.43	68.3	48.9	2.92	3.92	0.96
794A-37X-3, 100-102	345.60	1.40	0.62	2.56	74.0	53.2	3.86	4.86	1.14
794B-1R-1, 100-102	155.40	1.26	0.41	2.29	80.6	67.5	5.92	6.92	2.09
794B-1R-2, 100-102	156.90	1.26	0.41	2.32	80.6	67.8	6.15	7.15	2.09
794B-1R-3, 50-52	157.90	1.25	0.38	2.39	82.3	70.0	6.91	7.91	2.30
794B-2R-1, 47-49	164.47	2.63	2.36	3.23	25.9	10.5	0.42	1.42	0.12
794B-2R-1, 100-103	165.00	1.29	0.46	2.36	78.6	64.7	4.99	5.99	1.81
794B-3R-1, 103-105	213.23	1.32	0.47	2.53	79.8	64.5	5.40	6.40	1.81
794B-3R-2, 100-102	214.70	1.28	0.44	2.36	79.7	65.7	5.51	6.51	1.93
794B-3R-3, 100-102	216.20	1.27	0.41	2.38	80.9	67.4	6.59	7.59	2.08
794B-3R-4, 100-102	217.70	1.25	0.38	2.36	81.7	69.3	6.82	7.82	2.28
794B-4R-1, 100-102	222.90	1.28	0.41	2.46	82.5	68.1	6.77	7.77	2.15
794B-5R-1, 100-102	339.30	1.54	0.84	2.43	65.2	45.2	2.30	3.30	0.82
794B-5R-2, 100-102	340.80	1.56	0.83	2.66	69.0	47.0	2.63	3.63	0.88
794B-5R-3, 100-103	342.30	1.60	0.92	2.66	64.7	42.8	2.45	3.45	0.75
794B-9R-1, 10-13	376.10	1.81	1.42	2.30	37.2	22.0	0.74	1.74	0.28
794B-10R-1, 120-123	386.80	1.63	0.95	2.77	63.8	41.7	2.08	3.08	0.71
794B-10R-2, 67-70	387.77	1.68	1.05	2.71	59.7	37.6	2.51	3.51	0.60
794B-11R-1, 59-62	395.79	1.79	1.20	2.69	55.2	32.8	1.43	2.43	0.49
794B-12R-1, 100-103	405.90	1.70	1.07	2.72	60.0	37.4	1.75	2.75	0.60
794B-12R-1, 109-112	405.99	1.84	1.35	2.53	46.0	26.6	0.96	1.96	0.36
794B-12R-2, 110-113	407.50	1.81	1.29	2.61	49.0	28.8	1.07	2.07	0.41
794B-13R-1, 117-120	415.67	1.90	1.42	2.62	45.0	25.2	0.87	1.87	0.34



Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )			φ(%)	w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain					
794B-13R-2, 86-89	416.86	1.95	1.49	2.72	44.0	24.0	0.94	1.94	0.31
794B-13R-3, 60-63	418.10	2.26	1.91	2.86	32.4	15.3	0.55	1.55	0.18
794B-14R-1, 87-90	425.07	1.82	1.31	2.62	48.4	28.1	1.09	2.09	0.39
794B-14R-2, 93-96	426.63	1.80	1.21	2.74	55.7	32.8	1.54	2.54	0.49
794B-15R-1, 64-67	434.44	1.91	1.48	2.52	40.6	22.5	0.77	1.77	0.29
794B-15R-2, 108-111	436.38	1.96	1.56	2.53	37.9	20.6	0.69	1.69	0.26
794B-16R-2, 64-67	445.34	1.83	1.31	2.67	49.0	28.4	1.06	2.06	0.40
794B-16R-2, 103-106	445.73	1.77	1.23	2.55	50.4	30.3	1.28	2.28	0.43
794B-16R-3, 67-70	446.87	2.37	2.16	2.71	19.8	8.9	0.28	1.28	0.10
794B-17R-1, 68-71	453.58	1.77	1.21	2.61	52.9	31.7	1.27	2.27	0.46
794B-18R-1, 74-77	463.34	1.71	1.12	2.56	55.5	34.5	1.45	2.45	0.53
794B-19R-1, 99-102	473.29	1.82	1.30	2.62	48.7	28.5	1.15	2.15	0.40
794B-19R-2, 95-98	474.75	1.89	1.38	2.71	47.7	26.8	1.10	2.10	0.37
794B-19R-3, 29-31	475.59	2.00	1.58	2.65	39.9	22.3	0.88	1.88	0.29
794B-20R-1, 48-51	482.48	1.77	1.21	2.64	52.8	31.6	1.28	2.28	0.46
794B-20R-3, 32-35	485.32	1.84	1.34	2.54	46.3	26.7	1.02	2.02	0.37
794B-21R-1, 100-103	492.70	1.46	0.68	2.83	74.3	53.8	4.20	5.20	1.17
794B-21R-2, 101-104	494.21	1.52	0.77	2.77	71.1	49.7	2.95	3.95	0.98
794B-21R-3, 97-104	495.67	1.58	0.85	2.75	68.3	45.9	2.84	3.84	0.85
794B-21R-5, 107-109	498.77	1.49	0.74	2.56	70.3	50.2	3.16	4.16	1.01
794B-22R-1, 52-54	501.72	1.70	1.03	2.86	63.3	39.7	2.03	3.03	0.66
794B-23R-1, 44-46	511.34	1.85	1.27	2.77	54.4	31.3	1.37	2.37	0.46
794B-24R-1, 95-97	521.55	1.93	1.39	2.90	51.4	28.1	1.12	2.12	0.39
794B-24R-3, 70-73	524.30	1.57	0.84	2.77	68.5	46.4	2.64	3.64	0.87
794B-24R-3, 84-87	524.44	1.61	0.89	2.82	67.5	44.4	2.67	3.67	0.80
794B-24R-4, 138-141	526.48	1.76	1.16	2.74	56.4	34.0	1.52	2.52	0.52
794B-24R-5, 92-94	527.52	1.97	1.43	2.94	50.5	26.9	1.32	2.32	0.37
794B-25R-1, 14-16	530.44	1.82	1.20	2.92	58.2	34.0	1.59	2.59	0.51
794B-26R-1, 113-116	541.13	1.99	1.53	2.78	43.5	23.2	0.88	1.88	0.30
794B-26R-2, 91-94	542.41	2.08	1.70	2.67	35.7	18.2	0.66	1.66	0.22
794B-26R-2, 98-101	542.48	2.43	2.25	2.71	16.7	7.3	0.20	1.22	0.08
794B-26R-CC, 1-20	542.74	2.52	2.40	2.71	11.5	4.8	0.13	1.14	0.05
794B-27R-1, 48-51	544.78	2.57	2.48	2.72	8.7	3.6	0.10	1.10	0.04
794C-1R-1, 48-50	560.28	2.58	2.48	2.74	9.3	3.8	0.04	1.04	0.11
794C-2R-1, 74-76	564.74	2.60	2.50	2.76	9.0	3.7	0.04	1.04	0.10
794C-3R-1, 122-125	573.22	2.64	2.57	2.77	7.2	2.9	0.03	1.03	0.08
794C-4R-1, 44-46	581.94	2.65	2.59	2.77	6.1	2.4	0.03	1.03	0.07
794C-4R-2, 6-8	583.02	2.66	2.59	2.78	6.5	2.6	0.03	1.03	0.07
794C-4R-3, 7-9	584.53	2.66	2.59	2.79	7.0	2.8	0.03	1.03	0.08
794C-4R-4, 3-5	585.92	2.61	2.51	2.79	9.2	3.8	0.04	1.04	0.11
794C-5R-1, 72-74	586.72	2.47	2.32	2.73	14.6	6.3	0.07	1.07	0.18
794C-5R-2, 88-90	588.21	2.54	2.40	2.77	12.7	5.3	0.06	1.06	0.15
794C-6R-1, 37-39	592.07	2.53	2.40	2.73	11.5	4.9	0.05	1.05	0.14
794C-7R-1, 46-48	601.36	2.42	2.23	2.74	17.7	7.7	0.08	1.08	0.23
794C-7R-2, 11-13	602.29	2.42	2.21	2.76	19.5	8.5	0.09	1.09	0.26
794C-8R-1, 2-4	605.12	2.52	2.37	2.76	13.6	5.7	0.06	1.06	0.17
794C-9R-1, 131-133	615.91	2.43	2.24	2.73	17.2	7.5	0.08	1.08	0.22
794C-10R-1, 120-122	624.00	2.50	2.33	2.77	15.3	6.5	0.07	1.07	0.19
794C-10R-2, 102-104	625.32	2.50	2.34	2.77	15.1	6.5	0.07	1.07	0.19
794C-11R-1, 50-52	627.80	2.54	2.40	2.79	13.6	5.7	0.06	1.06	0.17
794C-11R-2, 52-54	628.95	2.50	2.34	2.77	15.1	6.5	0.07	1.07	0.19
794C-12R-1, 25-27	634.55	2.43	2.25	2.73	16.7	7.3	0.08	1.08	0.21
794C-12R-1, 104-106	635.34	2.47	2.28	2.79	17.9	7.7	0.08	1.08	0.23
794C-12R-2, 132-134	637.06	2.50	2.31	2.82	17.8	7.6	0.08	1.08	0.23
794C-12R-3, 71-73	637.89	2.45	2.24	2.81	19.4	8.4	0.09	1.09	0.26
794C-12R-4, 85-88	639.53	2.54	2.39	2.81	14.5	6.0	0.06	1.06	0.18
794C-12R-5, 138-141	641.58	2.47	2.29	2.78	17.1	7.3	0.08	1.08	0.22
794C-12R-6, 130-132	642.96	2.41	2.22	2.72	18.0	7.9	0.09	1.09	0.23
794C-12R-7, 17-19	643.21	2.40	2.20	2.73	19.0	8.4	0.09	1.09	0.25
794C-13R-1, 21-23	643.91	2.41	2.24	2.67	16.0	7.1	0.08	1.08	0.20
794C-13R-1, 110-112	644.80	2.08	1.71	2.67	34.8	17.8	0.22	1.22	0.61
794C-13R-2, 5-7	645.25	2.09	1.74	2.65	33.1	16.8	0.20	1.20	0.54
794C-13R-2, 93-95	646.13	2.44	2.29	2.70	14.6	6.4	0.07	1.07	0.18
795A-1H-1, 116-117	1.16	1.25	0.36	2.63	83.9	71.1	61.50	62.50	2.4
795A-1H-2, 100-101	2.50	1.36	0.54	2.57	77.5	60.4	13.60	14.60	1.5
795A-1H-3, 111-112	4.11	1.41	0.62	2.52	74.0	56.5	6.64	7.64	1.30
795A-1H-4, 98-99	5.48	1.39	0.60	2.50	74.2	56.7	7.13	8.13	1.31
795A-1H-5, 62-64	6.62	1.36	0.56	2.49	75.5	58.9	4.39	5.39	1.43
795A-1H-6, 100-101	8.50	1.64	0.97	2.65	62.5	40.6	2.07	3.07	0.68
795A-2H-1, 100-101	10.30	1.43	0.63	2.77	75.2	55.8	3.68	4.68	1.26
795A-2H-2, 100-101	11.80	1.27	0.41	2.51	81.8	68.2	7.54	8.54	2.14
795A-2H-3, 100-101	13.30	1.45	0.68	2.61	72.4	53.1	3.55	4.55	1.13
795A-2H-4, 98-99	14.78	1.40	0.61	2.58	74.2	56.4	3.82	4.82	1.29
795A-2H-5, 100-101	16.30	1.47	0.72	2.66	70.7	50.9	3.18	4.18	1.04
795A-2H-6, 100-101	17.80	1.31	0.47	2.54	79.3	64.2	6.32	7.32	1.79

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )				$\phi$ (%)	w(%)	Water ratio	<i>e</i>	<i>v</i>
		Wet bulk	Dry bulk	Grain						
795A-2H-7, 50-51	18.80	1.55	0.83	2.73	67.7	46.5	2.68	3.68	0.87	
795A-3H-1, 100-101	19.80	1.36	0.52	2.76	78.9	61.8	5.27	6.27	1.62	
795A-3H-2, 100-101	21.30	1.42	0.61	2.78	75.8	56.9	4.19	5.19	1.32	
795A-3H-3, 100-101	22.80	1.34	0.50	2.55	78.7	62.5	5.91	6.91	1.67	
795A-3H-4, 100-101	24.30	1.31	0.43	2.82	82.9	67.4	8.65	9.65	2.07	
795A-3H-5, 100-101	25.80	1.40	0.60	2.68	75.6	57.3	4.51	5.51	1.34	
795A-3H-6, 100-101	27.30	1.33	0.53	2.25	74.8	59.8	5.20	6.20	1.49	
795A-4H-1, 93-94	29.23	1.60	0.90	2.79	65.8	43.8	2.35	3.35	0.78	
795A-4H-2, 93-94	30.73	1.56	0.83	2.84	68.8	46.7	2.65	3.65	0.88	
795A-4H-3, 94-95	32.24	1.47	0.71	2.65	72.0	52.0	3.47	4.47	1.08	
795A-4H-4, 91-92	33.71	1.51	0.76	2.73	70.5	49.7	3.02	4.02	0.99	
795A-4H-5, 93-94	35.23	1.41	0.61	2.61	75.0	56.5	4.23	5.23	1.30	
795A-4H-6, 93-94	36.73	1.27	0.41	2.53	81.9	68.2	8.48	9.48	2.15	
795A-4H-7, 50-51	37.80	1.38	0.56	2.57	76.8	59.3	5.39	6.39	1.45	
795A-5H-1, 99-100	38.79	1.43	0.64	2.74	74.7	55.5	0.17	5.17	1.25	
795A-5H-2, 100-102	40.30	1.45	0.68	2.67	72.5	53.3	3.46	4.46	1.14	
795A-5H-3, 100-102	41.80	1.43	0.66	2.58	72.5	53.9	3.56	4.56	1.17	
795A-5H-4, 100-102	43.30	1.42	0.66	2.48	71.2	53.3	3.51	4.51	1.14	
795A-5H-5, 100-102	44.80	1.46	0.72	2.55	70.0	50.9	3.08	4.08	1.04	
795A-5H-6, 100-102	46.30	1.39	0.59	2.58	74.9	57.4	4.13	5.13	1.35	
795A-5H-7, 19-21	46.99	1.47	0.76	2.49	67.4	48.6	2.72	3.72	0.95	
795A-6H-1, 100-102	48.30	1.39	0.55	2.85	78.7	59.5	4.86	5.86	1.47	
795A-6H-2, 100-102	49.80	1.37	0.58	2.44	74.3	57.6	4.01	5.01	1.36	
795A-6H-3, 100-102	51.30	1.53	0.79	2.79	69.6	48.4	2.91	3.91	0.94	
795A-6H-4, 100-102	52.80	1.32	0.50	2.40	77.5	62.4	5.04	6.04	1.66	
795A-6H-5, 100-102	54.30	1.49	0.74	2.66	70.5	50.3	3.14	4.14	1.01	
795A-6H-6, 100-102	55.80	1.49	0.76	2.60	68.8	49.0	2.82	3.82	0.96	
795A-6H-7, 20-22	56.50	1.50	0.76	2.61	69.5	49.3	3.01	4.01	0.97	
795A-7H-1, 100-102	57.80	1.45	0.69	2.65	71.8	52.4	3.23	4.23	1.10	
795A-7H-2, 100-102	59.30	1.34	0.51	2.61	78.4	62.2	5.83	6.83	1.64	
795A-7H-3, 100-102	60.80	1.31	0.46	2.55	80.1	65.1	6.46	7.46	1.87	
795A-7H-4, 100-102	62.30	1.45	0.68	2.68	72.4	53.1	3.29	4.29	1.13	
795A-7H-5, 100-102	63.80	1.21	0.33	2.14	82.8	72.8	9.34	10.34	2.67	
795A-7H-6, 100-102	65.30	1.37	0.57	2.48	75.0	58.4	4.38	5.38	1.40	
795A-7H-7, 20-22	66.00	1.37	0.55	2.69	77.6	60.0	4.91	5.91	1.50	
795A-8H-1, 100-102	67.30	1.48	0.71	2.78	72.6	51.6	3.43	4.43	1.07	
795A-8H-2, 100-102	68.80	1.37	0.54	2.73	78.1	60.5	5.25	6.25	1.53	
795A-8H-3, 100-102	70.30	1.39	0.56	2.86	78.2	59.5	4.94	5.94	1.47	
795A-8H-4, 100-102	71.80	1.44	0.67	2.67	72.9	53.7	3.53	4.53	1.16	
795A-8H-5, 100-102	73.30	1.39	0.61	2.52	74.0	56.4	4.09	5.09	1.30	
795A-8H-6, 100-102	74.80	1.38	0.57	2.63	76.1	58.6	4.28	5.28	1.41	
795A-8H-7, 20-22	75.50	1.43								
795A-9H-1, 100-102	76.80	1.39	0.57	2.67	76.5	58.6	4.36	5.36	1.42	
795A-9H-2, 100-102	78.30	1.39	0.57	2.76	77.5	59.2	4.80	5.80	1.45	
795A-9H-3, 100-102	79.80	1.40	0.61	2.64	75.3	56.9	4.29	5.29	1.32	
795A-9H-4, 100-102	81.30	1.48	0.74	2.69	70.4	50.4	3.14	4.14	1.02	
795A-9H-5, 100-102	82.80	1.43	0.65	2.65	73.8	54.7	3.86	4.86	1.21	
795A-9H-6, 100-102	84.30	1.50	0.74	2.79	71.9	50.9	3.17	4.17	1.04	
795A-9H-7, 50-52	85.30	1.54	0.83	2.62	66.4	45.9	0.49	3.49	0.85	
795A-10H-1, 100-102	86.30	1.40	0.61	2.59	74.3	56.1	3.82	4.82	1.28	
795A-10H-2, 50-52	87.30	1.50	0.75	2.74	70.5	49.9	3.04	4.04	1.00	
795A-11H-1, 100-102	95.80	1.40	0.61	2.58	74.4	56.5	3.86	4.86	1.30	
795A-11H-2, 100-102	97.30	1.40	0.57	2.81	77.5	58.9	4.96	5.96	1.43	
795A-11H-3, 100-102	98.80	1.41	0.60	2.72	75.9	57.3	4.28	5.28	1.34	
795A-11H-4, 100-102	100.30	1.38	0.56	2.78	78.0	59.9	5.02	6.02	1.49	
795A-11H-5, 100-102	101.80	1.39	0.58	2.63	75.8	58.1	4.45	5.45	1.39	
795A-11H-6, 100-102	103.30	1.45	0.66	2.73	74.5	54.4	5.31	6.31	1.20	
795A-11H-7, 50-52	104.30	1.41	0.63	2.60	74.0	55.7	4.35	5.35	1.26	
795A-12H-1, 100-102	105.30	1.43	0.65	2.68	73.7	54.8	4.41	5.41	1.21	
795A-12H-2, 100-102	106.80	1.42	0.63	2.73	75.1	56.0	4.30	5.30	1.27	
795A-12H-3, 100-102	108.30	1.36	0.53	2.72	78.2	60.8	6.93	7.93	1.55	
795A-12H-4, 100-102	109.80	1.44	0.66	2.55	72.6	53.7	4.04	5.04	1.16	
795A-12H-5, 100-102	111.30	1.43	0.65	2.69	73.7	54.7	4.43	5.43	1.21	
795A-12H-6, 100-102	112.80	1.45	0.66	2.79	74.6	54.7	5.22	6.22	1.21	
795A-13H-1, 100-102	114.80	1.46	0.67	2.80	74.4	54.0	5.17	6.17	1.18	
795A-13H-2, 100-102	116.30	1.44	0.67	2.57	72.5	53.5	4.02	5.02	1.15	
795A-13H-3, 100-102	117.80	1.41	0.60	2.69	76.1	57.4	4.76	5.76	1.35	
795A-13H-4, 100-102	119.30	1.40	0.61	2.55	73.7	56.0	3.81	4.81	1.27	
795A-13H-5, 100-102	120.80	1.38	0.58	2.54	75.3	57.9	3.98	4.98	1.38	
795A-13H-6, 100-102	122.30	1.40	0.61	2.53	73.8	56.1	3.85	4.85	1.28	
795A-13H-7, 45-47	123.25	1.41	0.64	2.49	72.6	54.7	3.55	4.55	1.21	
795A-14H-1, 13-14	123.43	1.28	0.40	2.64	83.0	69.0	7.63	8.63	2.22	
795A-14H-2, 99-101	125.79	1.40	0.60	2.61	74.9	56.9	4.22	5.22	1.32	
795A-14H-3, 99-101	127.29	1.41	0.63	2.49	73.5	55.5	4.01	0.01	1.25	
795A-14H-4, 99-101	128.79	1.35	0.54	2.46	76.0	59.8	4.98	5.98	1.49	

Table 2 (continued).

Core, section, interval	Depth (msbf)	Densities (g/cm <sup>3</sup> )					ϕ(%)	w(%)	Water ratio	e	ν
		Wet bulk	Dry bulk	Grain							
795A-14H-5, 99-101	130.29	1.36	0.55	2.52	76.2	59.5	4.64	5.64	1.47		
795A-14H-6, 99-101	131.79	1.37	0.56	2.54	75.9	58.8	4.28	5.28	1.43		
795A-14H-7, 30-32	132.60	1.37	0.57	2.46	74.9	58.2	4.17	5.17	1.39		
795A-15H-1, 100-102	133.80	1.47	0.72	2.55	70.9	51.2	3.19	4.19	1.05		
795A-15H-2, 100-102	135.30	1.39	0.60	2.54	74.6	56.8	4.13	5.13	1.32		
795A-15H-3, 100-102	136.80	1.41	0.63	2.49	73.1	55.2	4.16	5.16	1.23		
795A-15H-4, 100-102	138.30	1.32	0.49	2.46	77.9	62.6	5.16	6.16	1.68		
795A-15H-5, 100-102	139.80	1.42	0.65	2.54	72.5	54.2	3.55	4.55	1.18		
795A-15H-6, 100-102	141.30	1.39	0.59	2.62	75.6	57.6	4.24	5.24	1.36		
795A-15H-7, 50-52	142.30	1.37	0.58	2.50	74.6	57.8	4.05	5.05	1.37		
795A-16H-1, 100-102	143.30	1.33	0.51	2.44	77.0	61.4	4.78	5.78	1.59		
795A-16H-2, 100-102	144.80	1.37	0.59	2.42	73.6	56.9	3.90	4.90	1.32		
795A-16H-3, 100-102	146.30	1.37	0.57	2.53	75.2	58.3	4.72	5.72	1.40		
795A-16H-4, 100-102	147.80	1.33	0.54	2.25	74.5	59.2	4.51	5.51	1.45		
795A-18H-1, 100-102	153.90	1.35	0.54	2.47	76.3	60.2	4.51	5.51	1.51		
795A-18H-2, 100-102	155.40	1.37	0.56	2.62	76.7	59.3	4.48	5.48	1.46		
795A-18H-3, 100-102	156.90	1.34	0.51	2.57	78.2	61.9	5.32	6.32	1.62		
795A-18H-4, 100-102	158.40	1.36	0.55	2.48	76.0	59.5	4.48	5.48	1.47		
795A-18H-5, 100-102	159.90	1.37	0.57	2.53	75.3	58.2	4.19	5.19	1.39		
795A-18H-6, 100-102	161.40	1.40	0.62	2.55	73.6	55.8	3.79	4.79	1.26		
795A-18H-7, 20-22	162.10	1.42	0.64	2.57	72.8	54.5	3.73	4.73	1.20		
795A-19H-1, 100-102	163.40	1.39	0.59	2.61	75.4	57.5	4.32	5.32	1.35		
795A-19H-2, 100-102	164.90	1.37	0.58	2.47	74.2	57.5	4.43	5.43	1.35		
795A-19H-3, 100-102	166.40	1.36	0.56	2.47	75.1	58.8	4.81	5.81	1.43		
795A-19H-4, 100-102	167.90	1.35	0.54	2.43	75.7	59.6	5.26	6.26	1.48		
795A-19H-5, 100-102	169.40	1.42	0.64	2.58	73.8	55.2	4.96	5.96	1.23		
795A-19H-6, 100-102	170.90	1.43	0.65	2.65	73.3	54.5	4.10	5.10	1.20		
795A-19H-7, 41-43	171.81	1.43	0.63	2.79	75.2	55.8	4.78	5.78	1.26		
795A-21X-1, 100-102	182.60	1.37	0.57	2.46	74.7	58.0	4.15	5.15	1.38		
795A-21X-2, 100-102	184.10	1.36	0.55	2.45	75.7	59.3	4.48	5.48	1.45		
795A-21X-3, 100-102	185.60	1.33	0.53	2.32	75.6	60.3	4.50	5.50	1.52		
795A-21X-4, 100-102	187.10	1.33	0.51	2.40	76.9	61.3	4.99	5.99	1.59		
795A-21X-5, 100-102	188.60	1.30	0.48	2.26	77.2	63.1	5.18	6.18	1.71		
795A-21X-6, 100-102	190.10	1.35	0.53	2.54	76.8	60.6	4.78	5.78	1.54		
795A-21X-7, 20-22	190.80	1.37	0.55	2.65	77.4	60.0	5.17	6.17	1.50		
795A-22X-1, 80-82	192.00	1.33	0.52	2.44	76.5	61.1	4.65	5.65	1.57		
795A-22X-2, 100-102	193.70	1.36	0.54	2.57	76.9	60.2	5.06	6.06	1.51		
795A-22X-3, 100-102	195.20	1.36	0.57	2.47	74.6	58.0	4.27	5.27	1.38		
795A-22X-4, 100-102	196.70	1.36	0.56	2.47	75.8	59.0	4.19	5.19	1.44		
795A-22X-5, 100-102	198.20	1.37	0.56	2.60	76.7	59.3	5.05	6.05	1.46		
795A-22X-6, 110-112	199.80	1.36	0.55	2.54	76.2	59.5	4.48	5.48	1.47		
795A-25X-1, 100-102	221.40	1.35	0.53	2.55	76.9	60.5	4.49	5.49	1.53		
795A-25X-2, 100-102	222.90	1.36	0.56	2.50	75.7	59.0	3.97	4.97	1.44		
795A-25X-3, 100-102	224.40	1.40	0.61	2.63	74.8	56.6	4.01	5.01	1.30		
795A-25X-5, 100-102	226.31	1.38	0.59	2.58	75.0	57.6	4.29	5.29	1.36		
795A-25X-6, 100-102	227.81	1.35	0.55	2.49	75.9	59.6	4.31	5.31	1.48		
795A-25X-7, 100-102	229.31	1.39	0.61	2.47	73.6	56.3	3.84	4.84	1.29		
795A-26X-1, 100-102	231.10	1.39	0.62	2.49	73.2	55.7	3.58	4.58	1.26		
795A-26X-2, 100-102	232.60	1.35	0.55	2.46	75.3	59.3	3.96	4.96	1.46		
795A-26X-3, 100-102	234.10	1.37	0.56	2.65	76.8	59.3	4.49	5.49	1.46		
795A-26X-4, 100-102	235.60	1.34	0.55	2.39	74.9	59.3	4.10	5.10	1.46		
795A-26X-5, 100-102	237.10	1.35	0.54	2.43	75.7	59.7	4.25	5.25	1.48		
795A-26X-6, 100-102	238.60	1.39	0.61	2.51	73.8	56.3	4.10	5.10	1.29		
795A-26X-7, 22-24	239.32	1.39	0.58	2.66	76.4	58.3	4.81	5.81	1.40		
795A-27X-1, 100-102	240.90	1.42	0.63	2.69	74.7	55.7	4.29	5.29	1.26		
795A-27X-2, 100-102	242.40	1.37	0.58	2.42	73.7	57.2	3.94	4.94	1.34		
795A-27X-3, 100-102	243.90	1.40	0.64	2.38	71.8	54.5	3.51	4.51	1.20		
795A-27X-4, 100-102	245.40	1.35	0.54	2.48	75.9	59.9	4.38	5.38	1.49		
795A-27X-5, 110-112	247.00	1.40	0.62	2.50	73.2	55.6	3.56	4.56	1.25		
795A-27X-6, 100-102	248.40	1.37	0.58	2.49	74.6	54.9	4.45	5.45	1.22		
795A-27X-7, 28-20	249.18	1.41	0.63	2.50	73.8	55.6	4.29	5.29	1.25		
795A-29X-2, 100-102	262.00	1.31	0.48	2.40	77.7	63.1	5.00	6.00	1.71		
795A-29X-3, 100-102	263.50	1.40	0.64	2.34	71.4	54.1	3.95	4.95	1.18		
795A-30X-1, 100-102	270.30	1.43	0.68	2.50	71.1	52.7	3.38	4.38	1.11		
795A-30X-2, 100-102	271.80	1.39	0.59	2.53	75.2	57.4	4.94	5.94	1.35		
795A-30X-3, 100-102	273.30	1.40	0.63	2.49	72.7	55.2	3.76	4.76	1.23		
795A-30X-4, 100-102	274.80	1.38	0.59	2.38	73.9	57.0	4.13	5.13	1.32		
795A-30X-5, 71-73	276.01	1.38	0.59	2.53	75.1	57.6	4.38	5.38	1.36		
795A-31X-1, 99-101	280.09	1.40	0.62	2.51	73.3	55.6	3.67	4.67	1.25		
795A-31X-2, 99-101	281.59	1.36	0.59	2.33	72.8	56.7	3.85	4.85	1.31		
795A-31X-3, 99-101	283.09	1.43	0.66	2.52	72.6	54.0	3.77	4.77	1.18		
795A-31X-4, 99-101	284.59	1.48	0.73	2.58	70.4	50.4	3.36	4.36	1.02		
795A-31X-5, 99-101	286.09	1.45	0.71	2.56	70.3	51.3	3.04	4.04	1.06		
795A-34X-1, 100-102	308.90	1.39	0.61	2.47	73.3	56.1	3.96	4.96	1.28		
795A-34X-2, 100-102	310.40	1.41	0.62	2.60	74.6	56.0	4.42	5.42	1.27		

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					Water ratio	$e$	$\nu$
		Wet bulk	Dry bulk	Grain	$\phi$ (%)	$w$ (%)			
795A-34X-3, 100-102	311.90	1.42	0.66	2.45	71.6	53.6	3.75	4.75	1.15
795A-34X-3, 144-146	312.34	1.48	0.74	2.57	69.0	49.7	2.79	3.79	0.99
795A-34X-4, 100-102	313.40	1.40	0.64	2.42	72.3	54.6	3.72	4.72	1.21
795A-34X-5, 100-102	314.90	1.40	0.61	2.52	74.6	56.7	4.63	5.63	1.31
795A-34X-6, 100-102	316.40	1.42	0.65	2.57	72.6	54.4	3.98	4.98	1.19
795A-34X-7, 39-40	317.29	1.48	0.74	2.56	69.2	49.7	2.85	3.85	0.99
795A-35X-1, 9-11	317.69	1.44	0.71	2.42	69.1	51.0	2.85	3.85	1.04
795A-35X-1, 99-100	318.59	1.39	0.65	2.30	69.9	53.4	3.23	4.23	1.15
795A-35X-2, 99-100	320.09	1.39	0.62	2.44	72.6	55.4	3.63	4.63	1.24
795A-35X-3, 99-100	321.59	1.34	0.56	2.34	73.8	58.4	4.01	5.01	1.40
795A-35X-4, 99-100	323.09	1.41	0.66	2.42	70.3	52.9	3.26	4.26	1.12
795A-35X-5, 99-100	324.59	1.34	0.53	2.43	76.2	60.3	5.07	6.07	1.52
795A-35X-6, 13-14	325.23	1.97	1.73	2.26	23.0	13.2	0.38	1.38	0.15
795A-35X-6, 99-100	326.09	1.57	0.89	2.60	63.7	43.2	2.36	3.36	0.76
795A-36X-CC, 2-27	327.67	1.70	1.39	1.98	28.7	18.0	0.43	1.43	0.22
795A-37X-1, 99-100	337.89	1.65	1.06	2.45	54.9	35.4	1.47	2.47	0.55
795A-38X-CC, 2-24	346.82	1.82	1.60	2.03	20.8	16.3	0.54	1.54	0.20
795B-1R-1, 86-88	366.06	2.66	2.55	2.86	11.1	4.4	0.15	1.15	0.05
795B-1R-1, 90-94	366.10	1.56	0.90	2.44	62.5	42.6	2.22	3.22	0.74
795B-1R-2, 69-72	367.39	1.76	1.15	2.81	57.9	34.9	1.65	2.65	0.54
795B-1R-3, 8-12	368.28	1.76	1.25	2.45	47.3	28.6	1.07	2.07	0.40
795B-2R-1, 145-147	376.45	1.53	0.83	2.52	66.1	45.8	2.57	3.57	0.85
795B-3R-1, 57-59	385.27	1.79	1.29	2.49	47.0	28.0	1.10	2.10	0.39
795B-4R-1, 72-74	395.12	1.81	1.35	2.40	43.7	25.5	0.92	1.92	0.34
795B-5R-1, 87-92	404.97	1.75	1.25	2.38	46.5	28.2	1.07	2.07	0.39
795B-6R-1, 38-44	414.18	1.76	1.27	2.42	45.8	27.7	1.03	2.03	0.38
795B-7R-1, 31-33	423.41	1.81	1.26	2.73	52.2	30.6	1.32	2.32	0.44
795B-8R-1, 112-114	433.92	1.78	1.33	2.40	42.9	25.5	0.90	1.90	0.34
795B-9R-1, 104-106	443.44	1.79	1.26	2.57	50.2	29.8	1.23	2.23	0.42
795B-9R-2, 111-113	445.01	1.79	1.32	2.44	44.0	26.1	1.00	2.00	0.35
795B-10R-1, 137-139	453.37	1.70	1.12	2.54	54.4	34.0	1.43	2.43	0.52
795B-10R-3, 120-122	456.20	1.67	1.09	2.50	55.0	34.9	1.46	2.46	0.54
795B-10R-5, 41-43	458.41	1.79	1.26	2.59	50.1	29.8	1.29	2.29	0.42
795B-11R-1, 97-99	462.67	1.69	1.13	2.48	52.5	33.0	1.36	2.36	0.49
795B-11R-2, 81-83	464.01	1.66	1.07	2.47	55.2	35.3	1.61	2.61	0.55
795B-11R-3, 120-122	465.90	1.86	1.37	2.63	46.1	26.3	1.02	2.02	0.36
795B-12R-1, 105-107	472.45	1.91	1.40	2.73	47.8	26.6	1.14	0.14	0.36
795B-12R-3, 96-98	475.36	1.94	1.47	2.68	44.3	24.2	0.93	1.93	0.32
795B-13R-1, 86-88	481.86	1.89	1.43	2.58	43.3	24.3	1.01	2.01	0.32
795B-13R-3, 64-66	484.64	1.80	1.26	2.65	50.9	30.1	1.21	2.21	0.43
795B-14R-1, 64-66	491.34	1.88	1.36	2.78	49.4	27.8	1.14	2.14	0.39
795B-14R-3, 127-129	494.97	1.80	1.24	2.67	52.6	31.0	1.45	2.45	0.45
795B-15R-1, 18-20	500.18	1.90	1.39	2.71	48.1	26.9	1.10	2.10	0.37
795B-15R-1, 30-32	500.30	1.84	1.35	2.52	46.1	26.6	1.32	2.32	0.36
795B-16R-1, 30-32	510.00	1.87	1.35	2.65	48.4	27.5	1.19	2.19	0.38
795B-16R-2, 26-28	511.46	1.82	1.30	2.62	49.5	28.8	1.25	2.25	0.41
795B-17R-1, 94-96	520.34	1.93	1.47	2.66	43.8	24.1	0.97	1.97	0.32
795B-17R-2, 48-50	521.38	1.86	1.38	2.62	45.7	26.1	1.27	2.27	0.35
795B-18R-1, 100-102	530.10	1.92	1.44	2.71	45.5	25.2	1.02	2.02	0.34
795B-18R-2, 101-104	531.61	2.00	1.58	2.66	39.3	20.8	0.74	1.74	0.26
795B-18R-3, 115-117	533.25	1.93	1.47	2.68	44.0	24.2	0.94	1.94	0.32
795B-18R-4, 106-108	534.66	1.94	1.45	2.71	45.5	24.9	0.97	1.97	0.33
795B-19R-1, 70-72	539.40	1.90	1.40	2.68	46.7	26.1	1.11	2.11	0.35
795B-19R-2, 74-76	540.94	1.94	1.46	2.68	45.6	24.9	1.09	2.09	0.33
795B-19R-3, 100-102	542.70	1.97	1.53	2.64	42.1	22.7	0.85	1.85	0.29
795B-19R-4, 100-102	544.20	1.93	1.45	2.67	45.0	24.7	0.95	1.95	0.33
795B-19R-5, 49-51	545.19	1.93	1.49	2.58	42.3	23.2	0.89	1.89	0.30
795B-20R-1, 65-67	549.05	1.97	1.50	2.72	43.6	23.5	0.92	1.92	0.31
795B-20R-2, 10-12	550.00	1.95	1.50	2.64	42.9	23.3	0.89	1.89	0.30
795B-20R-3, 98-100	552.38	2.05	1.67	2.66	35.9	18.6	0.66	1.66	0.23
795B-20R-4, 98-100	553.88	2.00	1.57	2.65	40.8	21.6	0.85	1.85	0.28
795B-20R-5, 88-90	555.28	1.98	1.53	2.66	41.9	22.5	0.88	1.88	0.29
795B-21R-2, 115-118	560.75	1.99	1.53	2.72	43.0	23.0	1.03	2.03	0.30
795B-21R-3, 114-116	562.24	2.10	1.73	2.68	34.7	17.6	0.58	1.58	0.21
795B-21R-5, 91-93	565.01	2.02	1.62	2.64	37.4	19.7	0.66	1.66	0.25
795B-21R-6, 37-39	565.97	2.03	1.63	2.67	37.9	19.8	0.74	1.74	0.25
795B-22R-1, 38-40	568.08	1.98	1.56	2.64	39.4	21.1	0.76	1.76	0.27
795B-22R-1, 120-122	568.90	1.67	1.06	2.56	56.8	36.1	1.69	2.69	0.57
795B-22R-2, 29-31	569.49	1.99	1.54	2.70	41.6	22.2	0.83	1.83	0.29
795B-23R-1, 111-113	578.51	1.98	1.55	2.66	40.6	21.8	0.78	1.78	0.28
795B-23R-2, 145-147	580.35	1.92	1.44	2.70	45.1	24.9	0.94	1.94	0.33
795B-23R-3, 89-91	581.29	1.97	1.54	2.63	40.1	21.6	0.78	1.78	0.28
795B-23R-4, 74-76	582.64	2.06	1.66	2.73	37.8	19.4	0.69	1.69	0.24
795B-24R-1, 11-13	587.11	2.01	1.58	2.73	40.6	21.4	0.79	1.79	0.27
795B-24R-3, 127-129	590.21	1.89	1.40	2.66	46.1	25.9	1.01	2.01	0.35

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	ν
		Wet bulk	Dry bulk	Grain	φ(%)					
795B-24R-5, 111-113	593.05	2.01	1.57	2.72	41.6	22.0	0.84	1.84	0.28	
795B-25R-1, 71-73	597.41	2.04	1.61	2.77	40.7	21.2	0.78	1.78	0.27	
795B-25R-3, 59-61	600.29	2.02	1.63	2.66	37.5	19.7	0.69	1.69	0.25	
795B-25R-5, 125-127	603.95	1.89	1.41	2.64	45.3	25.4	0.94	1.94	0.34	
795B-26R-2, 64-66	608.54	2.02	1.61	2.67	38.8	20.4	0.72	1.72	0.26	
795B-26R-4, 22-24	611.12	1.96	1.51	2.67	42.5	23.0	0.86	1.86	0.30	
795B-26R-6, 51-53	614.41	2.03	1.59	2.75	41.4	21.7	0.79	1.79	0.28	
795B-27R-1, 92-94	616.92	2.08	1.68	2.73	37.0	18.9	0.68	1.68	0.23	
795B-27R-3, 139-141	620.39	2.00	1.59	2.65	39.0	20.6	0.76	1.76	0.26	
795B-27R-5, 37-39	622.37	2.03	1.62	2.70	39.0	20.4	0.74	1.74	0.26	
795B-28R-1, 13-15	625.83	2.04	1.64	2.66	37.0	19.3	0.69	1.69	0.24	
795B-28R-3, 60-62	629.30	2.09	1.69	2.74	37.6	19.1	0.68	1.68	0.24	
795B-28R-5, 66-68	632.36	2.07	1.68	2.70	36.8	18.9	0.66	1.66	0.23	
795B-29R-1, 80-81	636.10	2.02	1.60	2.69	39.7	20.9	0.75	1.75	0.26	
795B-29R-3, 80-81	639.10	2.05	1.65	2.70	38.0	19.6	0.70	1.70	0.24	
795B-29R-5, 11-13	641.41	2.03	1.63	2.65	37.6	19.7	0.72	1.72	0.25	
795B-30R-1, 52-54	645.42	2.02	1.60	2.69	38.8	20.4	0.76	1.76	0.26	
795B-30R-3, 135-137	649.25	2.05	1.62	2.71	39.8	20.6	0.77	1.77	0.26	
795B-30R-5, 35-37	651.25	2.04	1.64	2.68	38.5	20.0	0.74	1.74	0.25	
795B-31R-2, 133-135	657.33	2.09	1.71	2.66	35.9	18.2	0.65	1.65	0.22	
795B-31R-4, 32-34	659.32	2.08	1.68	2.69	37.5	19.2	0.71	1.71	0.24	
795B-32R-1, 85-87	665.05	2.03	1.63	2.65	37.5	19.6	0.71	1.71	0.24	
795B-32R-3, 84-86	668.04	1.96	1.49	2.66	44.6	24.1	1.23	2.23	0.32	
795B-33R-1, 47-49	674.37	1.98	1.58	2.55	37.0	19.9	0.73	1.73	0.25	
795B-33R-2, 92-94	676.32	1.95	1.50	2.60	42.1	23.0	0.88	1.88	0.30	
795B-34R-1, 14-16	683.64	2.18	1.80	2.83	36.5	17.8	0.72	1.72	0.22	
795B-35R-1, 28-30	693.48	2.15	1.80	2.70	32.7	16.2	0.53	1.53	0.19	
795B-36R-1, 34-36	703.24	2.14	1.79	2.69	32.7	16.2	0.54	1.54	0.19	
795B-36R-2, 49-51	704.89	2.37	2.13	2.78	22.3	10.0	0.32	1.32	0.11	
795B-37R-1, 105-107	713.65	2.38	2.14	2.81	23.1	10.3	0.32	1.32	0.12	
795B-38R-1, 22-24	722.42	2.36	2.09	2.83	25.1	11.3	0.36	1.36	0.13	
795B-38R-2, 43-59	723.73	2.42	2.20	2.79	20.8	9.1	0.28	1.28	0.10	
795B-38R-3, 47-49	725.27	2.39	2.14	2.82	23.0	10.2	0.33	1.33	0.11	
795B-38R-4, 100-102	727.22	2.47	2.26	2.83	20.0	8.6	0.27	1.27	0.09	
795B-38R-5, 3-6	727.47	2.47	2.27	2.81	18.7	8.0	0.25	1.25	0.09	
795B-39R-1, 9-11	731.99	2.38	2.15	2.77	21.7	9.7	0.30	1.30	0.11	
795B-39R-2, 22-24	733.62	2.31	2.06	2.71	23.3	10.7	0.33	1.33	0.12	
795B-40R-1, 49-51	742.09	2.11	1.75	2.67	34.1	17.1	0.58	1.58	0.21	
795B-40R-2, 117-119	744.27	2.30	2.02	2.76	26.1	12.0	0.38	1.38	0.14	
795B-41R-1, 20-22	751.50	2.36	2.14	2.70	20.6	9.3	0.29	1.29	0.10	
795B-41R-2, 28-30	753.01	2.31	1.99	2.90	30.0	13.3	0.43	1.43	0.15	
796A-1H-1, 100-102	1.00	1.51	0.80	2.54	67.0	47.2	2.79	3.79	0.89	
796A-1H-2, 40-42	1.90	1.46	0.70	2.58	70.9	51.7	3.39	4.39	1.07	
796A-1H-3, 50-52	2.60	1.46	0.72	2.55	69.6	50.6	3.05	4.05	1.02	
796A-2H-1, 100-102	4.20	1.51	0.77	2.70	69.6	49.0	3.21	4.21	0.96	
796A-2H-2, 100-102	5.70	1.49	0.76	2.59	68.7	52.3	5.18	6.18	1.10	
796A-2H-3, 100-102	7.20	1.55	0.85	2.64	65.5	44.9	2.52	3.52	0.81	
796A-2H-4, 100-102	8.70	1.46	0.72	2.53	69.7	50.5	2.30	3.30	1.02	
796A-2H-5, 100-102	10.20	1.49	0.76	2.65	69.4	49.3	3.09	4.09	0.97	
796A-2H-6, 100-102	11.70	1.65	1.00	2.67	60.6	39.1	1.86	2.86	0.64	
796A-3H-1, 110-112	13.80	1.53	0.83	2.59	66.2	45.9	2.51	3.51	0.85	
796A-3H-2, 80-82	15.00	1.58	0.87	2.79	66.9	44.6	2.49	3.49	0.81	
796A-3H-3, 37-39	16.07	1.59	0.92	2.61	62.5	41.8	2.08	3.08	0.72	
796A-4H-1, 110-112	23.30	1.50	0.77	2.62	68.7	48.7	2.92	3.92	0.95	
796A-4H-2, 110-112	24.80	1.63	0.98	2.69	61.9	40.3	2.43	3.43	0.67	
796A-4H-3, 100-102	26.20	1.58	0.90	2.61	63.7	42.9	2.22	3.22	0.75	
796A-4H-4, 100-102	27.70	1.50	0.77	2.56	68.6	48.6	3.10	4.10	0.95	
796A-4H-5, 110-112	29.30	1.54	0.86	2.50	64.4	44.4	2.37	3.37	0.80	
796A-4H-6, 90-92	30.60	1.44	0.69	2.48	70.7	52.2	3.43	4.43	1.09	
796A-5H-1, 104-106	32.56	1.52	0.79	2.67	68.5	47.8	2.99	3.99	0.92	
796A-5H-2, 100-102	33.77	1.52	0.81	2.51	66.4	54.0	1.97	2.97	1.17	
796A-5H-3, 100-102	35.02	1.41	0.66	2.42	70.7	54.0	3.75	4.75	1.17	
796A-5H-4, 5-7	35.48	1.62	0.98	2.54	61.1	39.9	2.17	3.17	0.67	
796A-5H-6, 100-102	38.75	1.66	1.03	2.58	59.6	38.1	1.89	2.89	0.62	
796A-5H-8, 10-12	40.50	1.50	0.79	2.54	66.7	47.2	2.81	3.81	0.89	
796A-6H-1, 30-32	41.50	1.50	0.79	2.52	66.7	47.2	2.71	3.71	0.90	
796A-6H-2, 100-102	43.70	1.59	0.93	2.62	62.4	41.5	2.26	3.26	0.71	
796A-6H-3, 110-112	45.30	1.50	0.76	2.67	69.8	49.5	3.20	4.20	0.98	
796A-6H-4, 100-102	46.70	1.52	0.78	2.78	69.9	48.3	3.17	4.17	0.93	
796A-6H-5, 130-132	48.50	1.51	0.77	2.63	68.9	48.6	3.12	4.12	0.95	
796A-6H-6, 100-102	49.70	1.52	0.82	2.54	65.7	45.8	2.77	3.77	0.85	
796A-6H-7, 120-122	51.40	1.54	0.86	2.51	64.0	44.2	2.40	3.40	0.79	
796A-8H-5, 49-51	58.19	1.58	0.90	2.61	63.7	42.8	2.22	3.22	0.75	
796A-9X-1, 100-102	59.70	1.48	0.74	2.65	70.4	50.4	3.26	4.26	1.02	
796A-9X-3, 79-81	62.49	1.59	0.91	2.68	64.1	42.7	2.24	3.24	0.75	

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)					
796A-10X-1, 100-102	69.40	1.53	0.81	2.65	67.7	47.0	2.88	3.88	0.89	
796A-11X-1, 100-102	79.30	1.49	0.77	2.47	67.0	47.9	3.02	4.02	0.92	
796A-11X-2, 100-102	80.80	1.44	0.72	2.35	67.5	49.9	2.77	3.77	1.00	
796A-12X-1, 36-38	88.46	1.71	1.10	2.72	57.8	35.9	1.61	2.61	0.56	
796A-12X-5, 80-82	91.90	1.50	0.79	2.51	67.2	47.5	3.05	4.05	0.91	
796A-12X-6, 100-102	93.60	1.42	0.67	2.50	71.2	53.2	3.25	4.25	1.14	
796A-12X-7, 34-36	94.44	1.48	0.79	2.39	65.2	46.8	2.82	3.82	0.88	
796A-14X-1, 100-102	108.60	1.54	0.85	2.58	65.1	45.0	2.36	3.36	0.82	
796A-14X-2, 60-62	109.70	1.50	0.78	2.57	67.6	47.8	2.67	3.67	0.92	
796A-14X-3, 100-102	111.60	1.67	1.08	2.55	56.1	35.6	1.51	2.51	0.55	
796A-14X-4, 110-112	113.20	1.63	1.01	2.58	59.0	38.4	1.79	2.79	0.62	
796A-14X-5, 50-52	114.10	1.77	1.25	2.51	48.7	29.2	1.13	2.13	0.41	
796A-15X-1, 100-102	118.20	1.55	0.86	2.60	65.2	44.5	2.30	3.30	0.80	
796A-15X-2, 100-102	119.70	1.52	0.81	2.57	66.6	46.5	2.56	3.56	0.87	
796A-15X-3, 100-102	121.20	1.54	0.83	2.61	66.4	45.9	2.40	3.40	0.85	
796A-15X-4, 58-60	122.28	1.52	0.83	2.53	65.3	45.5	2.39	3.39	0.84	
796A-16X-1, 98-100	127.88	1.49	0.78	2.49	66.7	47.6	2.50	3.50	0.91	
796A-16X-2, 98-100	129.38	1.58	0.93	2.51	61.0	41.0	1.88	2.88	0.70	
796A-17X-1, 100-102	137.50	1.55	0.88	2.51	62.8	43.0	2.20	3.20	0.76	
796A-17X-2, 100-102	139.00	1.86	1.37	2.64	46.5	26.5	0.87	1.87	0.36	
796A-17X-3, 105-107	140.55	1.50	0.81	2.51	65.8	46.4	2.44	3.44	0.87	
796A-17X-4, 100-102	142.00	1.43	0.79	2.09	60.4	51.5	3.06	4.06	1.06	
796A-18X-1, 99-101	147.19	1.49	0.81	2.35	63.8	45.5	2.39	3.39	0.83	
796A-18X-2, 99-101	148.69	1.60	0.95	2.52	61.3	40.7	2.36	3.36	0.69	
796A-18X-3, 99-101	150.19	1.48	0.77	2.46	66.8	48.0	2.68	3.68	0.92	
796A-18X-4, 99-101	151.69	1.48	0.80	2.36	64.4	46.1	2.47	3.47	0.86	
796A-18X-5, 99-101	153.19	1.50	0.82	2.37	63.4	45.0	2.28	3.28	0.82	
796A-18X-6, 99-101	154.69	1.53	0.86	2.44	62.9	43.8	2.15	3.15	0.78	
796A-19X-1, 99-101	156.79	1.43	0.72	2.31	66.5	49.5	2.65	3.65	0.98	
796A-19X-2, 99-101	158.29	1.46	0.78	2.30	64.2	46.7	2.26	3.26	0.88	
796A-19X-3, 99-101	159.79	1.50	0.83	2.35	63.3	44.7	1.73	2.73	0.81	
796A-19X-4, 98-100	161.28	1.55	0.89	2.43	61.6	42.3	2.01	3.01	0.73	
796A-20X-1, 100-102	166.30	1.38	0.65	2.23	69.1	53.1	3.15	4.15	1.13	
796A-20X-2, 49-51	167.29	1.39	0.65	2.21	69.5	53.3	3.08	4.08	1.14	
796A-21X-1, 100-102	176.00	1.91	1.44	2.67	44.2	25.5	0.79	1.79	0.19	
796A-21X-2, 100-102	177.50	1.48	0.77	2.47	66.9	52.6	2.02	3.02	0.99	
796A-21X-3, 100-102	179.00	1.46	0.73	2.44	68.1	49.6	2.78	3.78	0.99	
796A-21X-4, 100-102	180.50	1.62	0.99	2.56	59.2	38.7	1.45	2.45	0.63	
796A-21X-5, 100-102	182.00	1.47	0.79	2.33	63.9	46.1	2.23	3.23	0.86	
796A-21X-6, 50-52	183.00	1.48	0.79	2.38	65.0	46.8	2.38	3.38	0.88	
796A-22X-1, 100-102	185.70	1.50	0.79	2.51	66.8	47.2	2.62	3.62	0.89	
796A-22X-2, 100-102	187.20	1.77	1.26	2.54	48.7	29.1	1.11	2.11	0.41	
796A-22X-3, 100-102	188.70	1.48	0.79	2.36	64.5	46.4	2.37	3.37	0.87	
796A-22X-4, 100-102	190.20	1.45	0.71	2.55	70.5	51.5	3.36	4.36	1.06	
796A-22X-5, 66-68	191.36	1.59	0.96	2.48	60.0	40.0	1.86	2.86	0.67	
796A-23X-1, 100-102	195.40	1.56	0.91	2.45	61.0	41.5	2.04	3.04	0.71	
796A-23X-2, 100-102	196.90	1.58	0.88	2.71	66.0	44.3	2.77	3.77	0.80	
796A-23X-3, 100-102	198.40	1.56	0.90	2.45	61.9	42.1	2.15	3.15	0.73	
796A-23X-4, 100-102	199.90	1.54	0.88	2.44	62.8	43.1	1.69	2.69	0.76	
796A-23X-5, 130-132	201.70	1.41	0.66	2.39	71.2	53.6	3.52	4.52	1.15	
796A-23X-6, 100-102	202.90	1.60	0.97	2.44	59.1	39.4	1.45	2.45	0.65	
796A-24X-1, 100-102	205.10	1.70	1.13	2.55	53.6	33.5	1.41	2.41	0.50	
796A-24X-2, 37-39	205.97	1.70	1.14	2.45	52.7	33.0	1.47	2.47	0.49	
796A-25X-1, 100-102	214.80	1.43	0.72	2.33	67.7	50.1	2.80	3.80	1.01	
796A-26X-1, 129-131	224.79	1.68	1.10	2.51	54.5	34.4	1.52	2.52	0.53	
796A-26X-2, 86-88	225.86	1.70	1.15	2.41	51.7	32.3	1.39	2.39	0.48	
796A-27X-1, 41-43	233.61	1.75	1.20	2.56	51.5	31.3	1.34	2.34	0.46	
796B-1R-2, 60-62	2.10	1.50	0.76	2.57	69.4	49.1	3.44	4.44	0.97	
796B-1R-3, 60-62	3.60	1.56	0.82	2.80	69.9	47.6	3.58	4.58	0.91	
796B-3R-1, 100-102	31.20	1.49	0.75	2.51	69.5	49.6	3.34	4.34	0.99	
796B-3R-2, 100-102	32.70	1.56	0.84	2.76	68.1	46.2	3.10	4.10	0.86	
796B-3R-3, 100-102	34.20	1.49	0.75	2.58	69.9	49.7	3.59	4.59	0.99	
796B-4R-1, 100-102	40.80	1.50	0.77	2.60	68.4	48.5	3.08	4.08	0.94	
796B-4R-2, 100-102	42.30	1.45	0.71	2.51	69.4	50.8	3.30	4.30	1.03	
796B-4R-3, 92-94	43.72	1.40	0.61	2.45	73.9	56.1	4.02	5.02	1.28	
796B-4R-4, 100-102	45.30	1.62	0.97	2.60	61.1	40.1	2.08	3.08	0.67	
796B-5R-1, 100-102	50.80	1.45	0.72	2.48	69.3	50.6	3.20	4.20	1.03	
796B-5R-2, 100-102	52.30	1.54	0.81	2.75	68.8	47.5	3.14	4.14	0.90	
796B-5R-3, 100-102	53.80	1.44	0.72	2.39	67.8	49.9	2.77	3.77	1.00	
796B-5R-4, 100-102	55.30	1.51	0.81	2.55	66.7	46.7	2.94	3.94	0.88	
796B-5R-5, 35-37	56.15	1.31	0.52	2.20	74.6	61.5	5.01	6.01	1.60	
796B-6R-1, 100-102	60.50	1.56	0.88	2.60	64.5	43.9	2.30	3.30	0.78	
796B-7R-1, 100-102	70.10	1.55	0.89	2.46	62.0	42.4	2.28	3.28	0.74	
796B-10R-1, 50-52	243.50	1.69	1.09	2.57	56.3	35.4	1.62	2.62	0.55	
796B-11R-1, 27-29	252.97	2.41	2.21	2.73	18.2	8.0	0.25	1.25	0.09	

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)					
796B-11R-2,, 93-95	255.13	1.85	1.36	2.57	45.8	26.3	0.99	1.99	0.36	
796B-12R-1, 59-61	262.89	1.87	1.39	2.57	45.1	25.7	1.00	2.00	0.35	
796B-12R-3, 44-46	265.74	1.75	1.25	2.44	47.3	28.7	1.09	2.09	0.40	
796B-12R-CC, 34-36	266.36	1.94	1.48	2.68	43.1	23.5	0.89	1.89	0.31	
796B-14R-1, 87-89	282.47	1.79	1.29	2.52	46.9	27.9	1.07	2.07	0.39	
796B-14R-2, 23-25	283.33	1.85	1.36	2.56	45.5	26.1	1.01	5.01	0.35	
796B-15R-1, 108-110	292.38	1.78	1.26	2.57	49.5	29.5	1.22	2.22	0.42	
796B-15R-2, 83-85	293.63	1.78	1.31	2.43	45.0	26.8	1.00	2.00	0.37	
796B-15R-3, 30-32	294.60	1.80	1.33	2.41	44.2	26.0	1.03	2.03	0.35	
796B-16R-1, 5-7	301.05	1.68	1.05	2.56	58.5	32.8	1.97	2.97	0.49	
796B-17R-1, 142-144	312.12	1.94	1.49	2.60	43.3	23.6	0.94	0.94	0.31	
796B-18R-1, 73-75	321.13	1.99	1.61	2.55	36.0	19.2	0.67	1.67	0.24	
796B-18R-2, 21-23	322.11	1.85	1.40	2.45	42.4	24.3	0.96	1.96	0.32	
796B-18R-3, 40-42	323.80	1.86	1.48	2.35	35.4	20.2	0.66	1.66	0.25	
796B-18R-3, 93-95	324.33	1.77	1.31	2.39	43.7	26.1	0.95	1.95	0.35	
796B-18R-4, 18-20	325.08	1.83	1.33	2.57	47.7	27.6	1.15	2.15	0.38	
796B-18R-5, 32-34	326.72	1.87	1.44	2.47	40.6	23.0	0.90	1.90	0.30	
796B-19R-1, 43-45	330.43	2.49	2.37	2.68	11.4	4.9	0.14	1.14	0.05	
796B-19R-2, 46-48	331.96	2.00	1.57	2.66	40.4	21.5	0.83	1.83	0.27	
796B-20R-1, 114-116	340.94	1.84	1.35	2.58	45.9	26.5	1.01	2.01	0.36	
796B-21R-1, 26-28	348.96	1.95	1.54	2.58	39.3	21.4	0.78	1.78	0.27	
796B-22R-1, 121-123	359.71	1.93	1.45	2.73	45.6	25.0	1.01	2.01	0.33	
796B-23R-1, 12-14	368.22	2.45	2.25	2.79	18.6	8.1	0.25	1.25	0.09	
796B-24R-1, 15-17	377.95	2.02	1.59	2.75	40.9	21.5	0.80	1.80	0.27	
796B-25R-1, 127-129	388.67	1.96	1.53	2.64	40.5	21.9	0.81	1.81	0.28	
796B-26R-1, 83-85	397.93	2.52	2.40	2.69	11.1	7.0	0.23	1.23	0.08	
796B-26R-1, 142-144	398.52	2.01	1.56	2.71	41.8	19.5	0.64	1.64	0.24	
796B-26R-2, 44-46	399.04	1.81	1.29	2.57	48.9	28.6	1.17	2.17	0.40	
796B-27R-1, 58-60	407.38	1.98	1.56	2.63	39.5	21.1	0.78	1.78	0.27	
796B-28R-1, 24-26	416.74	2.49	2.35	2.73	13.4	5.7	0.17	1.17	0.06	
796B-29R-2, 57-59	428.27	1.78	1.24	2.61	51.3	30.6	1.37	2.37	0.44	
796B-30R-1, 85-87	432.05	2.07	1.70	2.67	35.0	18.0	0.64	1.64	0.22	
796B-30R-2, 52-54	433.22	2.05	1.63	2.75	39.2	20.3	0.77	1.77	0.26	
796B-30R-3, 9-11	434.29	1.98	1.58	2.61	38.2	20.5	0.74	1.74	0.26	
796B-31R-1, 125-127	437.15	2.08	1.69	2.72	36.7	18.7	0.65	1.65	0.23	
796B-31R-2, 32-34	437.72	2.06	1.67	2.68	37.0	19.0	0.73	1.73	0.24	
796B-32R-1, 97-99	446.47	2.08	1.70	2.70	35.7	18.2	0.64	1.64	0.22	
796B-32R-2, 70-72	447.70	2.10	1.69	2.75	38.1	17.7	0.66	1.66	0.22	
796B-32R-3, 77-79	449.27	2.07	1.68	2.71	36.5	18.8	0.72	1.72	0.23	
796B-32R-4, 30-32	450.30	2.06	1.64	2.77	39.8	20.5	0.83	1.83	0.26	
796B-32R-5, 27-29	451.77	2.10	1.70	2.79	37.8	19.2	0.72	1.72	0.24	
796B-32R-5, 101-103	452.51	2.22	1.87	2.83	33.0	15.8	0.54	1.54	0.19	
796B-33R-1, 52-54	455.72	2.13	1.78	2.70	32.6	16.2	0.55	1.55	0.19	
796B-33R-2, 93-95	457.63	2.35	2.07	2.84	26.2	11.9	0.42	1.42	0.14	
796B-33R-3, 119-121	459.39	2.10	1.73	2.66	34.4	17.4	0.65	1.65	0.21	
797B-1H-2, 100-102	2.50	1.38	0.57	2.71	78.8	58.7	4.42	5.42	1.42	
797B-1H-3, 100-102	4.00	1.35	0.55	2.58	78.4	59.3	4.27	5.27	1.46	
797A-1H-1, 100-102	4.40	1.41	0.62	2.75	77.0	55.8	3.84	4.84	1.26	
797B-1H-4, 90-92	5.40	1.30	0.46	2.56	82.1	65.2	5.98	6.98	1.88	
797A-1H-2, 100-102	5.90	1.32	0.49	2.67	81.8	63.2	5.88	6.88	1.72	
797B-2H-1, 100-102	6.90	1.28	0.43	2.48	82.9	66.5	6.41	7.41	1.98	
797A-1H-3, 100-102	7.40	1.31	0.48	2.60	81.5	63.6	5.52	6.52	1.75	
797B-2H-2, 100-102	8.40	1.37	0.55	2.71	79.2	59.4	4.34	5.34	1.46	
797A-1H-4, 100-102	8.90	1.31	0.45	2.77	83.8	65.7	6.66	7.66	1.91	
797B-2H-3, 100-102	9.90	1.37	0.57	2.60	77.9	58.3	4.36	5.36	1.40	
797A-1H-5, 100-102	10.40	1.51	0.80	2.60	69.3	47.1	2.64	3.64	0.89	
797B-2H-4, 100-102	11.40	1.33	0.51	2.61	80.4	61.9	5.19	6.19	1.62	
797A-1H-6, 100-102	11.90	1.41	0.66	2.47	73.2	50.7	2.67	3.67	1.03	
797B-2H-5, 100-102	12.90	1.35	0.55	2.50	77.9	59.1	4.56	5.56	1.45	
797B-2H-6, 100-102	14.40	1.39	0.61	2.58	76.2	56.2	3.94	4.94	1.28	
797B-2H-7, 50-52	15.40	1.25	0.40	2.44	83.7	68.3	6.69	7.69	2.16	
797B-3H-1, 100-102	16.40	1.31	0.47	2.67	82.1	64.2	5.62	6.62	1.79	
797B-3H-2, 100-102	17.90	1.41	0.61	2.78	77.6	56.4	4.05	5.05	1.29	
797B-3H-3, 100-102	19.40	1.49	0.74	2.75	72.8	50.2	3.07	4.07	1.01	
797B-3H-4, 100-102	20.90	1.34	0.52	2.56	79.3	60.9	5.06	6.06	1.55	
797B-3H-5, 100-102	22.40	1.29	0.45	2.51	82.0	65.3	6.26	7.26	1.89	
797B-3H-6, 100-102	23.90	1.49	0.73	2.80	73.4	50.6	3.15	4.15	1.02	
797B-3H-7, 40-42	24.80	1.51	0.77	2.77	71.6	48.6	2.97	3.97	0.95	
797B-4H-1, 99-100	25.89	1.30	0.45	2.70	83.0	65.3	6.23	7.23	1.88	
797B-4H-2, 99-100	27.39	1.35	0.55	2.45	77.4	58.9	4.28	5.28	1.44	
797B-4H-3, 99-100	28.89	1.38	0.60	2.54	76.2	56.7	3.98	4.98	1.31	
797B-4H-4, 99-100	30.39	1.41	0.65	2.55	74.0	53.7	3.60	4.60	1.16	
797B-4H-5, 99-100	31.89	1.35	0.51	2.90	82.2	61.9	6.57	7.57	1.62	
797B-4H-6, 99-100	33.39	1.49	0.74	2.82	73.6	50.6	3.29	4.29	1.03	
797B-4H-7, 40-42	34.30	1.41	0.65	2.51	73.9	54.2	3.67	4.67	1.18	

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					Water ratio	<i>e</i>	<i>v</i>
		Wet bulk	Dry bulk	Grain	$\phi$ (%)	<i>w</i> (%)			
797B-5H-1, 100-102	35.40	1.56	0.84	2.88	70.2	46.0	2.68	3.68	0.85
797B-5H-2, 100-102	36.90	1.43	0.68	2.51	72.9	52.4	3.33	4.33	1.10
797B-5H-3, 100-102	38.40	1.36	0.54	2.70	79.5	60.0	4.94	5.94	1.50
797B-5H-4, 88-90	39.78	1.74	1.18	2.63	55.2	32.4	1.63	2.63	0.48
797B-5H-4, 100-102	39.90	1.35	0.55	2.52	78.1	60.4	4.98	5.98	1.52
797B-5H-5, 100-102	41.40	1.45	0.71	2.59	72.4	51.1	3.04	4.04	1.05
797B-5H-6, 100-102	42.90	1.48	0.77	2.52	69.1	47.8	2.52	3.52	0.92
797B-5H-7, 40-42	43.80	1.41	0.62	2.73	76.9	55.9	3.50	4.50	1.27
797B-6H-1, 100-102	44.90	1.37	0.56	2.79	79.6	59.5	5.07	6.07	1.47
797B-6H-2, 100-102	46.40	1.37	0.58	2.59	77.8	58.0	4.39	5.39	1.38
797B-6H-3, 100-102	47.90	1.40	0.62	2.55	75.6	55.4	3.86	4.86	1.24
797B-6H-4, 100-102	49.40	1.36	0.58	2.47	76.7	57.6	4.33	5.33	1.36
797B-6H-5, 100-102	50.90	1.47	0.73	2.65	72.3	50.3	3.04	4.04	1.01
797B-6H-6, 100-102	52.40	1.47	0.73	2.65	72.3	50.3	3.04	4.04	1.01
797B-6H-7, 40-42	53.30	1.45	0.70	2.62	72.7	51.4	3.23	4.23	1.06
797B-7H-1, 100-102	54.40	1.56	0.86	2.77	69.0	45.2	2.57	3.57	0.83
797B-7H-2, 100-102	55.90	1.30	0.47	2.47	80.8	63.8	5.46	6.46	1.76
797B-7H-3, 100-102	57.40	1.32	0.50	2.65	80.9	62.5	5.09	6.09	1.67
797B-7H-4, 100-102	58.90	1.40	0.61	2.72	77.5	56.7	4.33	5.33	1.31
797B-7H-5, 100-102	60.40	1.35	0.57	2.49	76.9	58.2	4.06	5.06	1.39
797B-7H-6, 100-102	61.90	1.55	0.84	2.78	69.5	45.9	2.65	3.65	0.85
797B-7H-7, 40-42	62.80	1.33	0.53	2.48	78.5	60.3	4.53	5.53	1.52
797B-8H-1, 100-102	63.90	1.33	0.51	2.54	79.7	61.4	4.96	5.96	1.59
797B-8H-2, 100-101	65.40	1.50	0.80	2.59	68.9	46.9	2.57	3.57	0.88
797B-8H-3, 100-101	66.90	1.45	0.71	2.55	71.8	50.8	3.20	4.20	1.03
797B-8H-4, 100-102	68.40	1.32	0.50	2.49	80.0	62.2	5.28	6.28	1.65
797B-8H-5, 100-102	69.90	1.32	0.48	2.69	81.5	63.4	5.40	6.40	1.73
797B-8H-6, 100-102	71.40	1.32	0.49	2.57	80.3	62.6	5.31	6.31	1.67
797B-8H-7, 50-52	72.40	1.44	0.69	2.63	73.3	52.1	3.40	4.40	1.09
797B-9H-1, 100-102	73.40	1.45	0.64	2.92	78.5	52.8	3.53	4.53	1.12
797B-9H-2, 100-102	74.90	1.60	0.92	2.76	66.3	42.4	2.32	3.32	0.74
797B-9H-3, 100-102	76.40	1.39	0.58	2.72	78.3	57.9	4.35	5.35	1.38
797B-9H-4, 100-102	77.90	1.33	0.51	2.64	80.8	62.1	5.51	6.51	1.64
797B-9H-5, 100-102	79.40	1.48	0.74	2.68	71.8	49.8	2.98	3.98	0.99
797B-9H-6, 100-102	80.90	1.40	0.61	2.64	76.6	56.1	4.22	5.22	1.28
797B-10H-1, 100-102	82.90	1.34	0.52	2.63	80.3	61.4	5.38	6.38	1.59
797B-10H-2, 100-102	84.40	1.42	0.64	2.67	75.6	54.6	3.71	4.71	1.20
797B-10H-3, 100-102	85.90	1.37	0.57	2.63	77.9	58.5	4.37	5.37	1.41
797B-10H-4, 100-102	87.40	1.33	0.51	2.50	79.4	61.3	4.90	5.90	1.58
797B-10H-5, 100-102	88.90	1.48	0.74	2.66	72.2	50.2	3.15	4.15	1.01
797B-10H-6, 100-102	90.40	1.45	0.68	2.69	74.3	52.7	3.45	4.45	1.11
797B-11H-1, 100-102	92.40	1.35	0.53	2.62	79.2	60.3	4.86	5.86	1.52
797B-11H-2, 100-102	93.90	1.40	0.61	2.62	76.6	56.1	4.09	5.09	1.28
797B-11H-3, 100-102	95.40	1.48	0.72	2.76	73.5	51.5	3.79	4.79	1.06
797B-11H-4, 100-102	96.90	1.35	0.57	2.47	77.0	58.2	4.24	5.24	1.39
797B-11H-5, 100-102	98.40	1.37	0.58	2.56	77.2	54.2	2.12	3.12	1.18
797B-11H-6, 100-102	99.90	1.35	0.55	2.45	77.3	58.9	4.39	5.39	1.43
797B-11H-7, 50-52	100.90	1.52	0.79	2.72	70.6	47.7	2.83	3.83	0.91
797B-12H-1, 100-102	101.90	1.33	0.52	2.52	79.2	61.2	4.86	5.86	1.58
797B-12H-2, 100-102	103.40	1.28	0.48	2.27	78.7	62.8	5.29	6.29	1.69
797B-12H-3, 100-102	104.90	1.34	0.52	2.61	80.1	61.4	5.17	6.17	1.59
797B-12H-4, 100-102	106.40	1.63	0.98	2.70	63.7	40.0	2.01	3.01	0.67
797B-12H-5, 100-102	107.90	1.31	0.50	2.46	79.6	62.2	5.12	6.12	1.65
797B-12H-6, 100-102	109.40	1.30	0.49	2.31	78.6	62.2	4.77	5.77	1.64
797B-12H-7, 50-52	110.40	1.37	0.58	2.59	77.1	57.2	3.82	4.82	1.34
797B-13H-1, 100-102	111.40	1.27	0.43	2.39	81.8	65.9	6.24	7.24	1.94
797B-13H-2, 100-102	112.90	1.44	0.70	2.55	72.6	51.5	3.26	4.26	1.06
797B-13H-3, 100-102	114.40	1.30	0.48	2.50	80.8	63.5	5.02	6.02	1.74
797B-13H-4, 100-102	115.90	1.30	0.49	2.39	79.3	62.5	4.63	5.63	1.67
797B-13H-5, 100-102	117.40	1.30	0.49	2.40	79.5	62.5	4.82	5.82	1.67
797B-13H-6, 100-102	118.90	1.35	0.56	2.50	77.4	58.6	4.11	5.11	1.42
797B-14H-1, 100-102	120.90	1.35	0.55	2.58	78.6	59.6	4.79	5.79	1.47
797B-14H-2, 100-102	122.40	1.32	0.51	2.41	78.6	61.2	4.91	5.91	1.58
797B-14H-3, 100-102	123.90	1.36	0.57	2.47	76.9	57.9	4.47	5.47	1.38
797B-14H-4, 100-102	125.40	1.38	0.58	2.70	78.4	58.1	4.85	5.85	1.39
797B-14H-5, 100-102	126.90	1.39	0.60	2.66	77.3	57.8	4.67	5.67	1.37
797B-15H-1, 100-102	130.40	1.35	0.53	2.60	79.5	60.5	5.38	6.38	1.54
797B-15H-2, 100-102	131.90	1.32	0.49	2.53	80.4	62.6	5.81	6.81	1.67
797B-15H-3, 100-102	133.40	1.43	0.66	2.71	75.1	53.7	3.65	4.65	1.16
797B-15H-4, 100-102	134.90	1.37	0.56	2.68	78.8	58.9	5.13	6.13	1.43
797B-15H-5, 100-102	136.40	1.34	0.54	2.59	79.0	60.2	4.84	5.84	1.51
797B-15H-6, 100-102	137.90	1.36	0.57	2.50	77.0	58.2	4.02	5.02	1.39
797B-15H-7, 50-52	138.90	1.33	0.51	2.56	79.7	61.3	5.15	6.15	1.59
797B-16H-1, 100-102	139.90	1.31	0.48	2.65	81.8	64.7	7.86	8.86	1.84
797B-16H-2, 100-102	141.40	1.36	0.55	2.66	78.8	59.3	5.60	6.60	1.46



Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )				$\phi$ (%)	w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain						
797B-16H-3, 90-92	142.80	1.44	0.65	2.81	76.4	54.3	4.71	5.71	1.19	
797B-16H-4, 100-102	144.40	1.33	0.51	2.50	80.0	61.8	5.62	6.62	1.62	
797B-16H-5, 100-102	145.90	1.39	0.63	2.50	74.4	54.8	3.59	4.59	1.21	
797B-16H-6, 100-102	147.40	1.28	0.47	2.27	79.0	63.2	6.15	7.15	1.49	
797B-16H-7, 20-22	148.10	1.32	0.50	2.57	80.0	63.8	6.61	7.61	1.77	
797B-17H-1, 100-102	149.40	1.32	0.49	2.65	81.3	63.0	5.59	6.59	1.70	
797B-17H-2, 20-22	150.10	1.31	0.48	2.65	81.7	63.8	6.94	7.94	1.76	
797B-17H-4, 110-112	151.87	1.34	0.53	2.51	78.9	60.5	5.45	6.45	1.53	
797B-17H-5, 100-102	153.27	1.35	0.53	2.69	80.1	60.6	6.00	7.00	1.54	
797B-17H-6, 100-102	154.77	1.34	0.56	2.31	75.8	58.0	4.17	5.17	1.38	
797B-17H-7, 100-102	156.27	1.33	0.51	2.58	79.7	61.6	5.83	6.83	1.60	
797B-18H-1, 100-102	158.90	1.34	0.53	2.49	78.4	60.1	4.67	5.67	1.51	
797B-18H-2, 100-102	160.40	1.30	0.49	2.43	79.7	62.6	5.20	6.20	1.68	
797B-18H-3, 100-102	161.90	1.35	0.59	2.36	74.8	56.6	4.03	5.03	1.30	
797B-18H-4, 100-102	163.40	1.38	0.60	2.54	75.9	56.4	4.13	5.13	1.29	
797B-18H-5, 100-102	164.90	1.36	0.57	2.59	77.5	58.3	4.53	5.53	1.40	
797B-18H-6, 50-52	165.90	1.35	0.54	2.63	79.2	60.1	5.16	6.16	1.51	
797B-19H-1, 100-102	167.40	1.27	0.45	2.35	80.3	64.6	5.45	6.45	1.83	
797B-19H-2, 100-102	168.90	1.31	0.48	2.48	80.4	63.0	5.74	6.74	1.70	
797B-19H-3, 100-102	170.40	1.27	0.48	2.12	77.1	62.5	4.40	5.40	1.67	
797B-19H-4, 100-102	171.90	1.31	0.50	2.37	79.1	62.0	4.67	5.67	1.63	
797B-19H-5, 100-102	173.40	1.30	0.49	2.32	79.0	62.4	4.90	5.90	1.66	
797B-19H-6, 100-102	174.90	1.29	0.47	2.34	79.9	63.5	5.82	6.82	1.74	
797B-19H-7, 50-52	175.90	1.32								
797B-20X-4, 100-102	181.40	1.28	0.43	2.56	83.3	66.7	7.13	0.13	2.00	
797B-20X-5, 110-112	183.00	1.28	0.46	2.32	79.8	63.8	4.79	5.79	1.76	
797B-21X-1, 100-102	186.50	1.27	0.43	2.40	81.6	66.1	6.75	7.75	1.95	
797B-21X-2, 100-102	188.00	1.28	0.42	2.61	83.5	66.9	7.93	8.93	2.02	
797B-21X-3, 100-102	189.50	1.28	0.44	2.42	81.4	65.4	5.40	6.40	1.89	
797B-21X-4, 100-102	191.00	1.27	0.45	2.36	80.9	65.0	7.40	8.40	1.86	
797B-21X-5, 20-22	191.70	1.29	0.48	2.33	79.2	62.7	5.61	6.61	1.68	
797B-22X-1, 100-102	196.20	1.24	0.40	2.27	82.1	67.6	8.15	9.15	2.09	
797B-22X-2, 100-102	197.70	1.30	0.46	2.52	81.7	64.5	7.25	8.25	1.82	
797B-22X-3, 100-102	199.20	1.26	0.44	2.22	80.5	65.3	6.67	7.67	1.88	
797B-22X-4, 100-102	200.70	1.26	0.42	2.25	81.5	66.5	7.09	8.09	1.99	
797B-22X-5, 100-102	202.20	1.30	0.48	2.44	79.9	63.1	6.93	7.93	1.71	
797B-23X-1, 100-102	205.80	1.29	0.45	2.55	82.7	65.6	6.89	7.89	1.90	
797B-23X-2, 100-102	207.30	1.31	0.49	2.44	79.8	62.9	6.01	7.01	1.69	
797B-23X-3, 100-102	208.80	1.32	0.48	2.68	81.7	63.5	5.63	6.63	1.74	
797B-23X-4, 100-102	210.30	1.28	0.44	2.50	82.5	65.8	6.44	7.44	1.92	
797B-23X-5, 100-102	211.80	1.28	0.46	2.23	79.4	63.7	5.61	6.61	1.76	
797B-23X-6, 100-102	213.30	1.38	0.63	2.37	73.2	54.3	3.70	4.70	1.19	
797B-24X-1, 100-102	215.30	1.33	0.57	2.24	74.2	57.0	3.74	4.74	1.33	
797B-24X-2, 100-102	216.80	1.36	0.55	2.62	79.0	59.5	5.68	6.68	1.47	
797B-24X-3, 100-102	218.30	1.29	0.47	2.41	80.8	64.0	4.87	5.87	1.78	
797B-24X-4, 100-102	219.80	1.34	0.53	2.50	78.7	60.3	5.72	6.72	1.52	
797B-24X-5, 100-102	221.30	1.32	0.53	2.42	77.7	60.1	4.28	5.28	1.51	
797B-24X-6, 100-102	222.80	1.31	0.48	2.51	81.1	57.4	4.56	5.56	1.35	
797B-24X-7, 30-32	223.60	1.30	0.50	2.36	78.8	62.0	6.18	7.18	1.63	
797B-25X-2, 100-102	226.50	1.25	0.45	2.08	78.0	64.5	5.63	6.63	1.81	
797B-25X-3, 100-102	228.00	1.30	0.49	2.41	79.2	62.2	5.35	6.35	1.65	
797B-25X-4, 100-102	229.50	1.31	0.47	2.55	81.5	64.0	6.43	7.43	1.77	
797B-25X-5, 100-102	231.00	1.34	0.55	2.47	77.4	59.1	5.50	6.50	1.45	
797B-25X-6, 100-102	232.50	1.31	0.50	2.36	78.8	61.8	5.61	6.61	1.62	
797B-25X-7, 30-32	233.30	1.33	0.55	2.34	76.6	58.9	4.55	5.55	1.43	
797B-26X-1, 100-102	234.70	1.30	0.50	2.32	78.7	61.9	5.12	6.12	1.63	
797B-26X-2, 100-102	236.20	1.28	0.43	2.50	82.8	66.5	7.25	8.25	1.98	
797B-26X-3, 100-102	237.70	1.28	0.45	2.34	80.6	64.6	6.46	7.46	1.82	
797B-26X-4, 100-102	239.20	1.29	0.47	2.41	80.7	63.9	6.21	7.21	1.77	
797B-26X-5, 100-102	240.70	1.33	0.53	2.42	77.7	59.8	4.41	5.41	1.49	
797B-26X-6, 100-102	242.20	1.28	0.44	2.47	82.0	65.5	6.85	7.85	1.90	
797B-27X-1, 100-102	244.40	1.25	0.41	2.38	82.5	67.5	6.13	7.13	2.07	
797B-27X-2, 100-102	245.90	1.29	0.45	2.52	82.1	65.1	6.07	7.07	1.87	
797B-27X-3, 100-102	247.40	1.31	0.50	2.44	79.2	61.9	4.81	5.81	1.63	
797B-27X-4, 100-102	248.90	1.34	0.53	2.52	78.9	60.3	4.60	5.60	1.52	
797B-27X-5, 100-102	250.40	1.26	0.41	2.53	83.5	67.9	6.93	7.93	2.11	
797B-27X-6, 100-102	251.90	1.28	0.44	2.49	82.2	65.9	5.98	6.98	1.94	
797B-28X-1, 100-102	254.10	1.26	0.41	2.42	82.7	67.3	5.96	6.96	2.06	
797B-28X-2, 100-102	255.60	1.24	0.38	2.38	84.2	69.5	7.22	8.22	2.28	
797B-28X-3, 100-102	257.10	1.27	0.42	2.46	83.2	67.3	7.21	8.21	2.05	
797B-28X-4, 50-52	258.10	1.28	0.43	2.57	83.5	67.0	8.25	9.25	2.03	
797B-30X-1, 100-102	273.50	1.33	0.51	2.59	80.0	61.8	5.29	6.29	1.62	
797B-30X-2, 100-102	275.00	1.29	0.46	2.48	81.7	64.7	6.64	7.64	1.83	
797B-30X-3, 100-102	276.50	1.49	0.76	2.68	70.9	48.7	3.00	4.00	0.95	
797B-30X-4, 100-102	278.00	1.31	0.52	2.30	77.3	60.8	4.80	5.80	1.55	

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain	$\phi$ (%)					
797B-30X-5, 100-102	279.50	1.28	0.44	2.38	81.5	65.3	6.39	7.39	1.88	
797B-30X-6, 50-52	280.50	1.30	0.47	2.54	81.0	63.6	5.71	6.71	1.75	
797B-31X-1, 100-102	283.20	1.35	0.53	2.69	80.1	60.7	5.88	6.88	1.54	
797B-31X-2, 100-102	284.70	1.34	0.55	2.39	76.8	58.8	4.40	5.40	1.43	
797B-31X-3, 100-102	286.20	1.33	0.55	2.36	76.3	58.6	4.41	5.41	1.42	
797B-31X-4, 100-102	287.70	1.29	0.47	2.40	80.6	63.9	5.96	6.96	1.77	
797B-31X-5, 100-102	289.20	1.45	0.70	2.72	74.0	52.1	3.42	4.42	1.09	
797B-31X-6, 100-102	290.70	1.42	0.63	2.75	76.7	55.3	3.94	4.94	1.24	
797B-31X-7, 30-32	291.50	1.38	0.62	2.41	73.6	54.8	3.46	4.46	1.21	
797B-32X-1, 100-102	292.90	1.32	0.48	2.70	82.0	63.6	6.16	7.16	1.75	
797B-32X-2, 100-102	294.40	1.30	0.51	2.30	77.8	61.1	4.74	5.74	1.57	
797B-32X-3, 100-102	295.90	1.34	0.53	2.66	79.6	60.7	5.21	6.21	1.54	
797B-32X-4, 100-102	297.40	1.36	0.57	2.49	76.9	57.9	4.20	5.20	1.37	
797B-32X-5, 100-102	298.90	1.44	0.68	2.61	73.4	52.4	3.64	4.64	1.10	
797B-32X-6, 100-102	300.40	1.50	0.82	2.47	66.5	45.2	2.65	3.65	0.83	
797B-33X-1, 100-102	302.50	1.43	0.69	2.54	72.8	52.0	3.35	4.35	1.08	
797B-33X-2, 100-102	304.00	1.51	0.81	2.56	68.2	46.3	2.66	3.66	0.86	
797B-33X-3, 100-102	305.50	1.57	0.91	2.53	64.1	41.9	2.15	3.15	0.72	
797B-33X-4, 100-102	307.00	1.62	1.00	2.56	60.9	38.8	1.86	2.86	0.63	
797B-34X-1, 97-99	312.17	1.71	1.09	2.80	60.6	36.3	1.82	2.82	0.57	
797B-34X-2, 115-117	313.85	1.72	1.11	2.72	59.1	35.2	1.74	2.74	0.54	
797B-34X-3, 93-95	315.13	1.68	1.08	2.63	58.8	36.2	1.77	2.77	0.57	
797B-34X-4, 102-104	316.72	1.65	1.07	2.48	57.0	36.3	1.66	2.66	0.57	
797B-34X-5, 8-10	317.28	1.65	1.04	2.55	59.4	37.5	2.00	3.00	0.60	
797B-34X-6, 20-22	318.90	1.65	1.02	2.62	61.0	38.0	1.88	2.88	0.61	
797B-35X-1, 136-138	322.26	1.60	0.95	2.65	64.1	40.9	2.06	3.06	0.69	
797B-35X-2, 73-75	323.13	1.55	0.88	2.55	65.3	43.1	2.21	3.21	0.76	
797B-35X-3, 95-97	324.85	1.56	0.91	2.53	63.8	41.9	2.18	3.18	0.72	
797B-35X-4, 88-90	326.28	1.73	1.14	2.73	58.2	34.5	1.76	2.76	0.53	
797B-35X-5, 97-99	327.87	1.60	0.92	2.76	66.6	40.7	1.88	2.88	0.69	
797B-37X-1, 48-50	340.78	1.62	1.01	2.51	60.1	38.0	1.86	2.86	0.61	
797B-37X-2, 68-70	342.48	1.61	0.98	2.53	61.0	38.9	1.99	2.99	0.64	
797B-37X-3, 69-71	343.99	1.60	0.91	2.82	67.6	43.2	2.92	3.92	0.76	
797B-37X-4, 88-90	345.68	1.59	0.91	2.75	66.5	42.8	2.61	3.61	0.75	
797B-37X-5, 68-70	346.98	1.58	0.93	2.55	63.3	41.0	2.02	3.02	0.70	
797B-38X-1, 99-101	350.99	1.58	0.90	2.67	65.8	42.7	2.13	3.13	0.75	
797B-38X-1, 132-134	351.32	1.93	1.61	2.37	31.9	17.3	0.55	1.55	0.21	
797B-39X-CC, 41-43	360.40	1.76	1.28	2.40	46.5	27.5	1.03	2.03	0.38	
797B-40X-1, 32-34	369.62	1.64	1.01	2.64	61.6	38.6	1.61	2.61	0.63	
797B-40X-2, 100-102	370.96	1.64	1.04	2.58	59.3	39.9	2.49	3.49	0.66	
797B-41X-1, 5-7	379.05	1.65	1.03	2.61	60.5	37.5	1.84	2.84	0.60	
797B-42X-1, 46-47	388.36	1.75	1.31	2.31	43.5	25.6	0.90	1.90	0.34	
797B-43X-1, 1-3	397.61	2.24	1.93	2.77	30.4	13.9	0.48	1.48	0.16	
797B-44X-1, 29-31	407.59	1.86	1.49	2.31	35.6	19.6	0.60	1.60	0.24	
797B-46X-1, 40-42	427.00	1.68	1.14	2.44	52.9	32.2	1.46	2.46	0.48	
797B-46X-1, 140-142	428.00	1.79	1.30	2.52	48.7	27.8	1.08	2.08	0.39	
797B-47X-1, 107-109	437.27	1.72	1.14	2.62	56.6	33.8	1.60	2.60	0.51	
797B-47X-2, 62-63	438.32	1.72	1.16	2.58	55.1	32.7	1.48	2.48	0.49	
797B-47X-3, 25-27	439.45	1.66	1.08	2.51	56.7	34.9	1.61	2.61	0.54	
797B-47X-4, 99-100	441.69	1.69	1.11	2.60	57.1	34.6	1.62	2.62	0.53	
797B-47X-5, 101-103	443.21	1.90	1.45	2.57	43.3	23.4	0.86	1.86	0.31	
797B-47X-5, 137-139	443.57	1.47	0.76	2.44	69.0	48.4	3.64	4.64	0.94	
797B-48X-1, 100-102	446.90	1.79	1.24	2.66	52.8	30.3	1.20	2.20	0.44	
797B-48X-2, 100-102	448.40	1.82	1.29	2.67	52.0	29.3	1.13	2.13	0.41	
797B-48X-3, 100-101	449.90	1.83	1.30	2.74	52.6	29.4	1.23	2.23	0.42	
797B-48X-4, 133-135	451.73	1.73	1.15	2.61	55.7	33.1	1.57	2.57	0.50	
797B-48X-5, 51-53	452.41	1.84	1.33	2.65	49.8	27.7	1.10	2.10	0.38	
797B-49X-1, 132-134	456.82	2.58	2.42	2.86	15.8	6.3	0.20	1.20	0.07	
797B-49X-3, 82-84	459.32	1.73	1.15	2.63	56.2	33.3	1.60	2.60	0.50	
797B-49X-4, 47-49	460.47	1.84	1.30	2.72	52.2	29.1	1.31	2.31	0.41	
797B-49X-5, 124-126	462.74	1.84	1.36	2.52	46.0	26.0	1.08	2.08	0.35	
797B-50X-CC, 7-9	465.85	2.62	2.50	2.85	12.0	4.7	0.15	1.15	0.05	
797B-51X-1, 66-68	475.56	1.79	1.25	2.64	51.9	29.8	1.25	2.25	0.42	
797B-51X-2, 99-101	477.39	1.84	1.33	2.64	49.5	27.6	1.16	2.16	0.38	
797B-51X-3, 124-126	479.14	1.82	1.31	2.61	50.2	28.2	1.26	2.26	0.39	
797B-51X-4, 46-48	479.86	1.79	1.26	2.63	51.7	29.6	1.29	2.29	0.42	
797B-51X-4, 63-65	480.03	1.84	1.33	2.64	49.6	27.6	1.22	2.22	0.38	
797B-51X-5, 95-97	481.85	1.80	1.28	2.62	50.7	28.9	1.32	2.32	0.41	
797B-51X-6, 62-64	483.02	1.81	1.31	2.56	48.9	27.7	1.14	2.14	0.38	
797B-52X-1, 121-123	485.71	1.86	1.34	2.67	50.2	27.7	1.23	2.23	0.38	
797B-52X-2, 112-114	487.12	1.78	1.24	2.62	52.3	30.1	1.34	2.34	0.43	
797B-52X-3, 20-22	487.70	1.80	1.27	2.64	51.3	29.3	1.22	2.22	0.41	
797B-52X-5, 64-66	491.14	1.73	1.16	2.60	55.8	33.0	1.55	2.55	0.49	
797B-52X-6, 124-126	493.24	1.74	1.19	2.56	53.6	31.6	1.43	2.43	0.46	
797B-52X-7, 16-18	493.66	1.80	1.24	2.72	54.1	30.9	1.42	2.42	0.45	

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )			$\phi$ (%)	$w$ (%)	Water ratio	$e$	$v$
		Wet bulk	Dry bulk	Grain					
797B-53X-CC, 10-12	494.44	1.79	1.26	2.62	52.0	29.8	1.33	2.33	0.42
797C-2R-1, 144-146	494.94	1.82	1.25	2.82	55.6	31.4	1.48	2.48	0.46
797C-2R-2, 100-102	496.00	1.63	0.96	2.77	65.4	41.2	2.36	3.36	0.70
797C-2R-CC, 5-7	496.49	1.86	1.33	2.78	51.9	28.6	1.24	2.24	0.40
797C-3R-1, 45-47	503.45	1.82	1.25	2.81	55.6	31.4	1.50	2.50	0.46
797C-3R-2, 112-114	505.62	1.82	1.25	2.81	55.6	31.4	1.50	2.50	0.46
797C-5R-1, 101-103	523.01	1.82	1.23	2.88	57.4	32.4	1.64	2.64	0.48
797C-5R-2, 114-116	524.64	1.82	1.26	2.79	54.8	30.8	1.38	2.38	0.45
797C-5R-3, 123-125	526.23	1.76	1.17	2.76	57.2	30.1	1.25	2.25	0.43
797C-6R-1, 28-30	531.88	1.58	0.84	3.04	72.2	44.4	3.03	4.03	0.80
797C-6R-1, 94-96	532.54	1.86	1.34	2.75	51.1	28.1	1.15	2.15	0.39
797C-6R-2, 18-20	533.28	1.61	0.92	2.81	67.3	42.9	2.65	3.65	0.75
797C-6R-3, 59-61	535.19	1.83	1.27	2.78	54.2	30.4	1.39	2.39	0.44
797C-6R-5, 80-82	538.40	1.82	1.26	2.77	54.6	30.7	1.40	2.40	0.44
797C-8R-1, 22-24	551.12	1.90	1.41	2.71	48.1	25.9	1.09	2.09	0.35
797C-8R-2, 41-43	552.62	1.90	1.39	2.76	49.7	26.9	1.17	2.17	0.37
797C-9R-1, 90-92	561.50	2.51							
797C-9R-2, 7-9	562.17	2.48	2.33	2.73	14.8	6.1	0.19	1.19	0.07
797C-10R-1, 16-18	570.16	2.51	2.44	2.61	6.4	3.4	0.10	1.10	0.04
797C-10R-4, 109-111	575.25	2.66	2.61	2.72	4.0	1.6	0.04	1.04	0.02
797C-11R-1, 29-31	579.79	2.03	1.62	2.69	39.7	20.1	0.76	1.76	0.25
797C-12R-2, 81-83	591.48	2.89	2.89	2.90	0.2	0.1	0.00	1.00	0.00
797C-12R-4, 35-37	593.92	2.90	2.90	2.91	0.2	0.1	0.00	1.00	0.00
797C-13R-1, 119-121	599.99	2.51	2.41	2.67	9.8	4.0	0.11	1.11	0.04
797C-13R-2, 70-72	601.00	2.81	2.79	2.84	1.9	0.7	0.02	1.02	0.01
797C-14R-1, 49-51	608.79	2.43	2.31	2.63	12.2	5.4	0.15	1.15	0.06
797C-14R-1, 81-83	609.11	2.23	1.95	2.68	27.3	12.7	0.40	1.40	0.15
797C-15R-1, 74-76	618.54	2.44	2.28	2.70	16.0	6.7	0.20	1.20	0.07
797C-15R-3, 43-45	621.09	2.65	2.59	2.75	6.0	2.3	0.07	1.07	0.02
797C-16R-1, 28-30	627.58	2.69	2.65	2.77	4.3	1.7	0.05	1.05	0.02
797C-16R-2, 73-75	629.43	2.59	2.51	2.72	7.8	3.5	0.10	1.10	0.04
797C-17R-1, 35-37	637.25	2.48	2.31	2.76	16.0	6.6	0.20	1.20	0.07
797C-18R-1, 94-96	647.44	1.97	1.51	2.75	45.2	23.4	0.94	1.94	0.31
797C-18R-2, 71-73	648.66	2.54	2.42	2.76	12.2	4.9	0.15	1.15	0.05
797C-18R-3, 60-62	650.05	2.78	2.74	2.85	3.8	1.4	0.04	1.04	0.01
797C-19R-1, 67-69	656.77	2.66	2.56	2.84	9.7	0.9	0.02	1.02	0.01
797C-19R-3, 22-24	659.20	2.95	2.95	2.98	0.0	0.0	0.00	1.00	0.00
797C-19R-4, 67-69	661.06	2.63	2.58	2.72	4.8	3.1	0.09	1.09	0.03
797C-19R-4, 84-86	661.23	2.24	2.00	2.62	23.4	13.1	0.44	1.44	0.15
797C-19R-4, 94-96	661.33	2.18	1.87	2.67	30.0	14.1	0.46	1.46	0.16
797C-19R-5, 48-50	662.03	1.97	1.55	2.63	41.1	21.3	0.76	1.76	0.27
797C-19R-6, 37-39	663.42	1.96	1.53	2.68	42.9	22.4	0.70	1.70	0.29
797C-20R-2, 61-63	668.01	2.15	1.80	2.72	33.8	16.1	0.54	1.54	0.19
797C-20R-3, 74-76	669.64	2.64	2.57	2.75	6.7	2.6	0.07	1.07	0.03
797C-21R-1, 94-96	676.54	2.67	2.63	2.73	3.9	1.5	0.04	1.04	0.02
797C-21R-3, 75-77	679.09	2.73	2.70	2.77	2.7	1.0	0.03	1.03	0.01
797C-21R-5, 102-104	682.32	2.79	2.77	2.82	1.9	0.7	0.02	1.02	0.01
797C-22R-1, 124-126	686.34	2.04	1.65	2.68	38.0	19.0	0.68	1.68	0.24
797C-22R-2, 119-121	687.73	2.10	1.72	2.75	37.2	18.1	0.63	1.63	0.22
797C-22R-3, 147-149	689.51	2.00	1.59	2.67	40.3	20.6	0.73	1.73	0.26
797C-22R-4, 70-72	690.24	2.05	1.65	2.69	38.8	19.4	0.72	1.72	0.24
797C-22R-6, 6-8	692.60	2.06	1.68	2.67	37.1	18.5	0.62	1.62	0.23
797C-23R-1, 27-29	694.87	2.09	1.70	2.73	37.4	18.4	0.63	1.63	0.23
797C-23R-3, 79-81	698.39	2.08	1.69	2.74	38.3	19.1	0.71	1.71	0.24
797C-23R-5, 97-99	701.57	2.09	1.69	2.76	38.7	19.0	0.67	1.67	0.24
797C-24R-1, 86-88	704.96	2.84	2.82	2.88	1.9	0.7	0.02	1.02	0.01
797C-24R-2, 8-10	705.47	2.84	2.83	2.87	1.6	0.6	0.02	1.02	0.01
797C-24R-3, 21-23	707.10	2.74	2.69	2.83	5.2	2.0	0.06	1.06	0.02
797C-24R-4, 8-10	708.32	2.85	2.85	2.86	0.6	0.2	0.01	1.01	0.00
797C-24R-5, 38-40	710.12	2.89	2.88	2.89	0.2	0.1	0.00	1.00	0.00
797C-24R-6, 29-31	711.37	2.89	2.88	2.90	0.7	0.1	0.00	1.00	0.00
797C-24R-7, 80-82	713.38	2.58	2.52	2.66	5.0	2.0	0.05	1.05	0.02
797C-25R-1, 144-146	715.04	2.03	1.62	2.69	39.5	19.9	0.73	1.73	0.25
797C-25R-2, 145-147	716.55	2.03	1.65	2.63	37.3	19.7	0.73	1.73	0.25
797C-25R-3, 138-140	717.98	2.07	1.67	2.72	38.5	19.1	0.72	1.72	0.24
797C-25R-4, 66-68	718.76	2.09	1.70	2.76	38.2	18.7	0.69	1.69	0.23
797C-25R-5, 109-111	720.69	2.00	1.60	2.61	38.3	20.3	0.78	1.78	0.25
797C-26R-1, 77-79	723.97	2.46	2.28	2.75	17.0	7.1	0.21	1.21	0.08
797C-26R-2, 48-50	725.18	2.33	2.11	2.68	21.3	9.3	0.30	1.30	0.10
797C-26R-2, 75-77	725.45	2.38	2.15	2.78	22.6	9.3	0.28	1.28	0.10
797C-27R-1, 26-28	733.16	2.54	2.40	2.78	13.8	5.6	0.17	1.17	0.06
797C-27R-1, 126-128	734.16	2.39	2.18	2.73	20.2	8.7	0.26	1.26	0.10
797C-28R-1, 47-49	743.07	2.55	2.44	2.73	10.6	4.2	0.12	1.12	0.04
797C-29R-1, 70-72	745.30	2.56	2.45	2.74	10.4	4.1	0.12	1.12	0.04
797C-30R-1, 60-62	754.60	2.47	2.30	2.61	16.7	6.9	0.21	1.21	0.07

Table 2 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					Water ratio	e	v
		Wet bulk	Dry bulk	Grain	$\phi$ (%)	w(%)			
797C-30R-2, 143-145	756.46	2.15	1.80	2.74	34.2	16.2	0.57	1.57	0.19
797C-30R-3, 121-123	757.74	2.20	1.84	2.82	34.6	15.5	0.54	1.54	0.18
797C-30R-4, 47-49	758.25	2.16	1.82	2.73	33.4	15.8	0.53	1.53	0.19
797C-31R-1, 73-75	763.73	2.64	2.54	2.80	9.3	3.6	0.10	1.10	0.04
797C-31R-2, 83-85	765.05	2.70	2.65	2.79	5.0	1.9	0.06	1.06	0.02
797C-31R-3, 105-107	766.44	2.67	2.57	2.85	9.7	3.6	0.11	1.11	0.04
797C-31R-4, 77-79	767.66	2.28	2.04	2.65	23.0	10.3	0.32	0.32	0.12
797C-31R-5, 51-53	768.70	2.35	2.12	2.75	23.0	10.0	0.33	0.33	0.11
797C-32R-2, 15-17	773.79	2.60	2.49	2.80	10.8	4.3	0.13	1.13	0.05
797C-33R-1, 63-65	782.23	2.61	2.51	2.78	9.8	3.8	0.12	1.12	0.04
797C-33R-1, 84-86	782.44	2.43	2.27	2.72	16.6	7.0	0.22	1.22	0.08
797C-33R-1, 103-105	782.63	2.23	1.95	2.70	27.8	12.7	0.45	1.45	0.15
797C-33R-2, 63-65	783.73	2.16	1.86	2.61	28.6	13.6	0.43	1.43	0.16
797C-33R-4, 5-7	786.04	2.60	2.51	2.75	8.8	3.5	0.10	1.10	0.04
797C-34R-1, 33-35	791.33	2.64	2.55	2.80	8.6	3.4	0.10	1.10	0.04
797C-34R-2, 40-42	792.63	2.16	1.83	2.69	31.7	14.2	0.45	1.45	0.17
797C-34R-3, 143-145	795.16	2.20	1.86	2.77	33.0	15.4	0.52	1.52	0.18
797C-34R-4, 143-145	796.66	2.19	1.86	2.74	31.9	14.9	0.51	1.51	0.18
797C-34R-6, 7-9	798.30	2.14	1.78	2.74	34.9	15.9	0.54	1.54	0.19

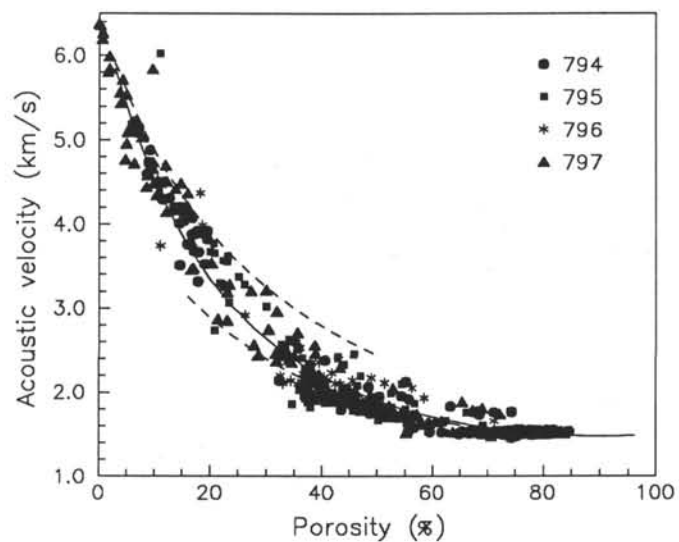


Figure 7. Leg 127 acoustic velocity vs. corrected porosity. Model curves are for the Wyllie et al. (1956) time-average model (upper dashed curve), which is approximately valid for low-porosity materials, and the Nobes (1989) model for high grain velocities (solid curve) and low grain velocities (lower dashed curve). The low grain velocity, 4.37 km/s, is representative of sediments that are 50% clay by volume. The other velocity model curves were computed using grain velocities of 6.5 km/s, and a grain density of 2.7 g/cm<sup>3</sup>.

Table 3. The corrected index properties for Leg 128.

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )				$\phi$ (%)	w(%)	Water ratio	$e$	$v$
		Wet bulk	Dry bulk	Grain						
798A-1H-1, 39-41	0.39	1.41	0.69	2.37	70.6	51.2	2.40	3.40	1.05	
798A-1H-2, 36-39	1.86	1.41	0.63	2.64	76.3	55.5	3.21	4.21	1.25	
798A-1H-3, 37-39	3.37	1.41	0.63	2.64	76.0	55.3	3.17	4.17	1.24	
798A-1H-4, 38-45	4.88	1.43	0.67	2.64	74.5	53.4	2.93	3.93	1.15	
798A-1H-5, 38-40	6.38	1.41	0.65	2.54	74.3	54.0	2.90	3.90	1.17	
798A-1H-6, 38-44	7.88	1.35	0.64	2.09	69.0	52.5	2.22	3.22	1.11	
798A-2H-1, 45-47	9.75	1.33	0.65	1.97	66.4	51.1	1.97	2.97	1.04	
798A-2H-2, 46-51	11.26	1.42	0.74	2.17	65.9	47.7	1.93	2.93	0.91	
798A-2H-3, 46-47	12.76	1.51	0.83	2.45	66.5	45.2	1.99	2.99	0.82	
798A-2H-4, 4-9	13.84	1.51	0.79	2.62	69.8	47.5	2.31	3.31	0.90	
798A-3H-1, 70-72	19.00	1.33	0.50	2.55	80.3	62.1	4.08	5.08	1.64	
798A-3H-2, 49-51	20.29	1.49	0.76	2.68	71.8	49.2	2.54	3.54	0.97	
798A-3H-3, 49-51	21.79	1.44	0.69	2.57	73.2	52.1	2.73	3.73	1.09	
798A-3H-4, 49-51	23.29	1.51	0.78	2.72	71.1	48.2	2.47	3.47	0.93	
798A-3H-5, 49-51	24.79	1.38	0.61	2.46	75.4	56.0	3.06	4.06	1.27	
798A-3H-6, 49-51	26.29	1.48	0.74	2.61	71.6	49.7	2.52	3.52	0.99	
798A-4H-1, 29-31	27.59	1.44	0.69	2.63	74.0	52.5	2.84	3.84	1.11	
798A-4H-2, 29-31	29.09	1.56	0.87	2.69	67.7	44.4	2.10	3.10	0.80	
798A-4H-3, 29-31	30.59	1.53	0.82	2.69	69.7	46.7	2.30	3.30	0.88	
798A-4H-4, 59-61	32.39	1.52	0.80	2.74	70.9	47.7	2.44	3.44	0.91	
798A-4H-5, 59-61	33.89	1.52	0.82	2.63	68.9	46.3	2.21	3.21	0.86	
798A-5H-1, 90-100	37.60	1.47	0.73	2.66	72.6	50.6	2.65	3.65	1.02	
798A-5H-1, 94-96	37.64	1.47	0.73	2.66	72.6	50.6	2.65	3.65	1.02	
798A-5H-2, 80-82	39.00	1.54	0.84	2.63	68.2	45.5	2.15	3.15	0.84	
798A-5H-3, 49-51	40.19	1.45	0.70	2.56	72.5	51.3	2.63	3.63	1.05	
798A-5H-4, 86-88	42.06	1.46	0.70	2.72	74.4	52.3	2.91	3.91	1.10	
798A-5H-6, 34-36	44.54	1.52	0.80	2.73	70.8	47.6	2.42	3.42	0.91	
798A-5H-7, 7-9	45.77	1.50	0.77	2.63	70.8	48.5	2.42	3.42	0.94	
798A-6H-1, 58-60	46.78	1.50	0.79	2.59	69.6	47.6	2.29	3.29	0.91	
798A-6H-2, 49-54	48.19	1.52	0.81	2.66	69.6	46.9	2.29	3.29	0.88	
798A-6H-3, 46-48	49.66	1.53	0.82	2.73	70.1	46.8	2.34	3.34	0.88	
798A-6H-4, 4-9	50.74	1.51	0.76	2.84	73.3	49.7	2.74	3.74	0.99	
798A-6H-5, 69-71	52.89	1.53	0.81	2.72	70.3	47.2	2.37	3.37	0.89	
798A-6H-6, 84-89	54.54	1.52	0.81	2.62	69.1	46.7	2.24	3.24	0.88	
798A-6H-7, 4-6	55.24	1.50	0.78	2.68	71.1	48.4	2.46	3.46	0.94	
798A-7H-1, 49-51	56.19	1.49	0.75	2.70	72.4	49.8	2.62	3.62	0.99	
798A-7H-2, 130-135	58.14	1.46	0.72	2.66	73.0	51.1	2.71	3.71	1.05	
798A-7H-3, 51-53	58.85	1.43	0.68	2.54	73.1	52.3	2.71	3.71	1.10	
798A-7H-4, 50-55	60.34	1.59	0.90	2.76	67.1	43.2	2.04	3.04	0.76	
798A-7H-5, 50-52	61.84	1.46	0.74	2.51	70.3	49.2	2.37	3.37	0.97	
798A-7H-6, 65-70	63.49	1.51	0.80	2.61	69.2	47.0	2.25	3.25	0.89	
798A-7H-7, 49-51	64.83	1.49	0.75	2.70	72.4	49.8	2.62	3.62	0.99	
798A-7H-7, 66-68	65.00	1.48	0.77	2.55	69.9	48.4	2.33	3.33	0.94	
798A-8H-2, 61-63	66.21	1.61	0.91	2.84	67.8	43.2	2.11	3.11	0.76	
798A-7H-8, 55-60	66.39	1.50	0.78	2.60	69.8	47.7	2.31	3.31	0.91	
798A-8H-3, 32-34	67.42	1.49	0.76	2.63	71.2	49.0	2.47	3.47	0.96	
798A-8H-4, 78-80	69.38	1.47	0.73	2.61	72.1	50.4	2.59	3.59	1.02	
798A-8H-5, 61-93	70.71	1.54	0.84	2.65	68.2	45.3	2.14	3.14	0.83	
798A-8H-5, 61-63	70.71	1.54	0.84	2.65	68.2	45.3	2.14	3.14	0.83	
798A-8H-6, 37-39	71.97	1.53	0.80	2.75	70.9	47.6	2.44	3.44	0.91	
798A-8H-7, 64-66	73.74	1.56	0.86	2.71	68.3	44.8	2.15	3.15	0.81	
798A-8H-8, 44-46	75.04	1.51	0.78	2.70	71.1	48.3	2.46	3.46	0.93	
798A-9H-1, 54-56	75.34	1.62	0.95	2.69	64.6	41.0	1.82	2.82	0.69	
798A-9H-2, 29-31	76.59	1.58	0.89	2.73	67.5	43.8	2.08	3.08	0.78	
798A-9H-3, 54-56	78.34	1.55	0.84	2.70	68.8	45.6	2.21	3.21	0.84	
798A-9H-4, 54-56	79.84	1.44	0.70	2.57	72.8	51.6	2.67	3.67	1.07	
798A-9H-5, 53-55	81.33	1.49	0.77	2.62	70.8	48.7	2.42	3.42	0.95	
798A-9H-6, 53-58	82.83	1.47	0.73	2.58	71.6	50.0	2.52	3.52	1.00	
798A-9H-7, 53-55	84.33	1.44	0.69	2.58	73.2	52.1	2.73	3.73	1.09	
798A-10H-1, 20-25	84.60	1.45	0.71	2.58	72.3	51.0	2.62	3.62	1.04	
798A-10H-2, 34-36	85.36	1.44	0.68	2.66	74.0	52.6	2.85	3.85	1.11	
798A-10H-3, 40-45	86.92	1.41	0.66	2.46	73.1	53.1	2.71	3.71	1.13	
798A-10H-4, 44-46	88.46	1.52	0.81	2.61	68.7	46.4	2.20	3.20	0.86	
798A-10H-5, 103-108	90.55	1.41	0.65	2.55	74.4	54.0	2.91	3.91	1.18	
798A-10H-6, 45-47	91.47	1.44	0.70	2.52	72.4	51.6	2.62	3.62	1.07	
798A-10H-7, 128-133	93.80	1.53	0.83	2.61	68.3	45.8	2.15	3.15	0.84	
798A-10H-7, 128-133	93.80	1.53	0.83	2.61	68.0	45.6	2.13	3.13	0.84	
798A-10H-8, 63-65	94.65	1.56	0.88	2.65	66.9	43.9	2.02	3.02	0.78	
798A-11H-1, 132-134	95.42	1.34	0.55	2.43	77.3	59.0	3.40	4.40	1.44	
798A-11H-2, 80-85	96.40	1.43	0.68	2.49	72.6	52.1	2.65	3.65	1.09	
798A-11H-3, 45-47	97.55	1.55	0.84	2.72	68.9	45.5	2.21	3.21	0.84	
798A-11H-4, 86-91	99.46	1.42	0.67	2.55	73.7	53.0	2.80	3.80	1.13	
798A-11H-5, 40-42	100.50	1.47	0.75	2.51	70.3	49.1	2.36	3.36	0.97	
798A-11H-6, 102-107	102.62	1.61	0.93	2.75	66.3	42.3	1.97	2.97	0.73	

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					Water ratio	e	ν
		Wet bulk	Dry bulk	Grain	φ(%)	w(%)			
798A-11H-7, 16-18	103.26	1.57	0.87	2.74	68.3	44.6	2.16	3.16	0.81
798A-12H-1, 30-32	104.10	1.46	0.71	2.64	73.0	51.3	2.70	3.70	1.05
798A-12H-2, 30-35	104.87	1.46	0.72	2.57	71.9	50.5	2.56	3.56	1.02
798A-12H-3, 86-88	106.93	1.40	0.63	2.53	75.3	55.2	3.05	4.05	1.23
798A-12H-4, 30-35	107.87	1.40	0.64	2.49	74.0	54.1	2.85	3.85	1.18
798A-12H-5, 30-32	109.37	1.41	0.66	2.43	72.7	53.0	2.66	3.66	1.13
798A-12H-6, 25-30	110.82	1.41	0.65	2.48	73.7	53.6	2.80	3.80	1.15
798A-12H-7, 110-112	113.17	1.59	0.90	2.75	67.3	43.4	2.05	3.05	0.77
798A-13H-1, 19-21	113.59	1.46	0.71	2.66	73.2	51.4	2.73	3.73	1.06
798A-12H-8, 30-35	113.87	1.62	0.93	2.83	67.3	42.7	2.06	3.06	0.75
798A-13H-2, 98-103	115.88	1.71	1.09	2.75	60.4	36.3	1.53	2.53	0.57
798A-13H-3, 50-52	116.90	1.59	0.92	2.72	66.2	42.6	1.96	2.96	0.74
798A-13H-4, 74-79	118.64	1.51	0.79	2.72	71.0	48.1	2.45	3.45	0.93
798A-13H-5, 51-53	119.91	1.44	0.70	2.52	72.3	51.6	2.61	3.61	1.07
798A-13H-6, 20-25	121.10	1.46	0.71	2.58	72.3	50.9	2.61	3.61	1.04
798A-13H-7, 45-47	122.85	1.51	0.84	2.46	65.6	44.5	1.91	2.91	0.80
798A-14H-1, 21-23	123.31	1.50	0.82	2.48	67.1	45.8	2.04	3.04	0.84
798A-14H-2, 30-35	123.81	1.47	0.74	2.55	70.9	49.5	2.44	3.44	0.98
798A-14H-3, 70-72	125.71	1.46	0.72	2.63	72.9	51.1	2.69	3.69	1.04
798A-14H-4, 62-67	127.13	1.53	0.83	2.63	68.7	46.0	2.19	3.19	0.85
798A-14H-5, 49-51	128.50	1.61	0.93	2.80	66.9	42.4	2.02	3.02	0.74
798A-14H-6, 49-54	130.00	1.57	0.88	2.70	67.4	43.9	2.07	3.07	0.78
798A-14H-7, 22-24	131.23	1.50	0.77	2.68	71.2	48.5	2.47	3.47	0.94
798A-14H-8, 22-27	132.73	1.44	0.67	2.72	75.4	53.6	3.07	4.07	1.15
798A-15H-1, 30-32	133.10	1.54	0.84	2.66	68.3	45.4	2.16	3.16	0.83
798A-15H-2, 35-40	134.55	1.42	0.67	2.56	74.0	53.2	2.85	3.85	1.14
798A-15H-3, 30-32	136.00	1.46	0.72	2.62	72.3	50.6	2.61	3.61	1.02
798A-15H-4, 30-35	137.50	1.42	0.67	2.52	73.6	53.1	2.79	3.79	1.13
798A-15H-5, 30-32	139.00	1.56	0.88	2.65	66.9	43.9	2.02	3.02	0.78
798A-15H-6, 15-20	140.35	1.55	0.84	2.69	68.6	45.4	2.18	3.18	0.83
798A-15H-7, 30-32	142.00	1.39	0.61	2.54	76.1	56.1	3.18	4.18	1.28
798A-15H-8, 30-35	143.50	1.37	0.59	2.43	75.8	56.9	3.14	4.14	1.32
798B-14X-1, 87-89	124.07	1.48	0.75	2.64	71.5	49.3	2.50	3.50	0.97
798B-14X-2, 116-118	125.56	1.57	0.88	2.66	66.7	43.6	2.01	3.01	0.77
798B-14X-3, 89-91	126.79	1.59	0.92	2.70	66.0	42.4	1.94	2.94	0.74
798B-14X-4, 39-41	127.79	1.61	0.93	2.74	66.0	42.0	1.94	2.94	0.72
798B-14X-5, 39-41	129.29	1.42	0.66	2.55	74.2	53.6	2.88	3.88	1.16
798B-14X-6, 65-67	131.05	1.50	0.77	2.65	70.9	48.6	2.44	3.44	0.95
798B-14X-7, 65-67	132.55	1.61	0.94	2.70	65.4	41.7	1.89	2.89	0.72
798B-15X-1, 59-61	133.49	1.44	0.67	2.72	75.3	53.4	3.04	4.04	1.14
798B-14X-8, 65-67	134.05	1.61	0.93	2.75	66.1	42.1	1.95	2.95	0.73
798B-15X-2, 109-111	135.27	1.51	0.80	2.61	69.4	47.2	2.27	3.27	0.89
798B-15X-3, 22-24	135.90	1.53	0.82	2.69	69.7	46.7	2.30	3.30	0.88
798B-15X-4, 74-76	137.92	1.50	0.80	2.53	68.2	46.5	2.15	3.15	0.87
798B-15X-5, 75-79	139.43	1.42	0.67	2.53	73.5	52.9	2.78	3.78	1.12
798B-15X-6, 74-76	140.92	1.50	0.77	2.61	70.4	48.2	2.37	3.37	0.93
798B-16X-1, 45-47	143.05	1.47	0.72	2.67	73.0	51.0	2.70	3.70	1.04
798B-16X-2, 45-50	144.55	1.37	0.57	2.56	77.6	58.2	3.47	4.47	1.39
798B-16X-3, 110-112	145.88	1.33	0.52	2.52	79.4	61.1	3.86	4.86	1.57
798B-16X-4, 48-53	146.76	1.38	0.59	2.57	77.0	57.2	3.34	4.34	1.33
798B-16X-5, 57-59	148.35	1.36	0.56	2.58	78.4	59.1	3.64	4.64	1.44
798B-16X-6, 34-39	149.62	1.35	0.53	2.62	79.6	60.5	3.91	4.91	1.53
798B-16X-7, 47-49	151.25	1.36	0.56	2.57	78.3	59.0	3.61	4.61	1.44
798B-17X-1, 45-47	152.75	1.28	0.46	2.30	80.0	64.0	4.00	5.00	1.78
798B-17X-2, 48-54	153.56	1.33	0.52	2.52	79.6	61.3	3.90	4.90	1.58
798B-17X-3, 49-51	155.07	1.32	0.50	2.54	80.3	62.2	4.08	5.08	1.64
798B-17X-4, 28-35	156.36	1.33	0.52	2.53	79.4	60.9	3.85	4.85	1.56
798B-17X-5, 29-31	157.87	1.35	0.55	2.59	78.9	59.7	3.75	4.75	1.48
798B-17X-6, 39-44	159.47	1.37	0.57	2.58	78.0	58.5	3.54	4.54	1.41
798B-17X-7, 39-41	160.97	1.59	0.89	2.84	68.7	44.2	2.19	3.19	0.79
798B-18X-1, 30-32	162.20	1.54	0.82	2.71	69.7	46.5	2.30	3.30	0.87
798B-18X-2, 30-35	163.70	1.39	0.62	2.48	75.0	55.4	3.01	4.01	1.24
798B-18X-3, 43-45	165.33	1.45	0.70	2.56	72.6	51.4	2.65	3.65	1.06
798B-18X-4, 30-35	166.70	1.34	0.54	2.46	77.9	59.5	3.53	4.53	1.47
798B-18X-5, 130-132	169.20	1.34	0.53	2.48	78.6	60.2	3.67	4.67	1.51
798B-18X-6, 25-30	169.65	1.77	1.19	2.72	56.1	32.5	1.28	2.28	0.48
798B-19X-1, 60-62	172.20	1.49	0.73	2.75	73.3	50.5	2.74	3.74	1.02
798B-19X-3, 60-62	175.20	1.52	0.83	2.57	67.8	45.6	2.10	3.10	0.84
798B-19X-4, 50-55	176.60	1.53	0.84	2.60	67.9	45.4	2.11	3.11	0.83
798B-19X-5, 50-52	178.10	1.39	0.64	2.43	73.9	54.4	2.83	3.83	1.19
798B-19X-6, 60-65	179.70	1.62	0.96	2.73	64.9	41.0	1.85	2.85	0.69
798B-20X-1, 40-42	181.70	1.48	0.75	2.68	71.7	49.6	2.53	3.53	0.98
798B-20X-2, 40-45	182.67	1.57	0.88	2.71	67.4	43.8	2.06	3.06	0.78
798B-20X-3, 40-42	184.17	1.57	0.87	2.71	67.9	44.4	2.11	3.11	0.80

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)	w(%)			
798B-20X-4, 103-108	186.30	1.39	0.61	2.54	76.1	56.1	3.18	4.18	1.28
798B-20X-5, 46-48	187.23	1.39	0.60	2.56	76.4	56.4	3.23	4.23	1.30
798B-20X-5, 60-65	187.37	1.47	0.75	2.54	70.5	49.1	2.39	3.39	0.97
798B-21X-1, 29-31	191.29	1.46	0.70	2.69	73.9	51.9	2.83	3.83	1.08
798B-21X-2, 77-82	192.58	1.45	0.71	2.54	72.1	51.1	2.58	3.58	1.04
798B-21X-4, 39-44	195.20	1.48	0.72	2.80	74.2	51.3	2.88	3.88	1.05
798B-21X-5, 35-37	196.66	1.48	0.75	2.61	71.0	49.1	2.45	3.45	0.96
798B-21X-6, 19-24	198.00	1.35	0.55	2.52	78.1	59.3	3.56	4.56	1.45
798B-21X-6, 59-64	198.40	1.62	0.95	2.78	65.9	41.6	1.93	2.93	0.71
798B-21X-7, 77-80	200.08	1.35	0.58	2.36	75.2	57.0	3.04	4.04	1.32
798B-22X-1, 40-42	201.00	1.35	0.56	2.42	76.7	58.2	3.29	4.29	1.39
798B-22X-2, 30-35	202.40	1.36	0.58	2.39	75.6	57.1	3.10	4.10	1.33
798B-22X-3, 71-73	204.31	1.36	0.58	2.46	76.6	57.7	3.27	4.27	1.36
798B-22X-4, 17-22	205.27	1.37	0.59	2.46	75.9	56.8	3.16	4.16	1.32
798B-22X-6, 90-92	209.00	1.50	0.77	2.64	70.8	48.4	2.42	3.42	0.94
798B-22X-7, 42-47	209.57	1.46	0.74	2.50	70.5	49.6	2.39	3.39	0.98
798B-23X-1, 60-52	210.90	1.37	0.58	2.54	76.9	57.4	3.34	4.34	1.35
798B-22X-8, 77-79	211.42	1.57	0.87	2.69	67.6	44.2	2.08	3.08	0.79
798B-23X-2, 25-29	211.88	1.36	0.58	2.43	76.1	57.3	3.19	4.19	1.34
798B-23X-3, 25-27	213.38	1.36	0.57	2.42	76.2	57.6	3.21	4.21	1.36
798B-23X-5, 120-125	217.33	1.37	0.60	2.39	74.8	55.9	2.96	3.96	1.27
798B-23X-6, 61-63	218.24	1.46	0.73	2.56	71.2	49.8	2.48	3.48	0.99
798B-23X-7, 60-65	219.73	1.53	0.83	2.61	68.2	45.7	2.14	3.14	0.84
798B-24X-1, 49-51	220.49	1.36	0.59	2.36	75.0	56.6	3.00	4.00	1.30
798B-23X-8, 24-26	220.87	1.45	0.69	2.65	73.9	52.3	2.83	3.83	1.10
798B-24X-2, 49-54	221.99	1.40	0.64	2.45	73.8	54.0	2.81	3.81	1.18
798B-24X-3, 49-51	223.49	1.41	0.67	2.38	71.8	52.3	2.54	3.54	1.10
798B-24X-4, 49-54	224.99	1.38	0.62	2.42	74.2	54.9	2.87	3.87	1.22
798B-24X-5, 49-51	226.49	1.38	0.61	2.44	75.0	55.8	2.99	3.99	1.26
798B-24X-6, 43-48	227.93	1.40	0.66	2.40	72.4	52.9	2.63	3.63	1.12
798B-24X-7, 20-22	229.20	1.43	0.69	2.48	72.4	51.9	2.62	3.62	1.08
798B-25X-1, 99-101	230.69	1.45	0.73	2.40	69.4	49.2	2.27	3.27	0.97
798B-25X-2, 68-73	231.88	1.39	0.62	2.54	75.6	55.5	3.10	4.10	1.25
798B-25X-3, 68-70	233.38	1.40	0.65	2.44	73.4	53.7	2.75	3.75	1.16
798B-25X-4, 63-67	234.83	1.45	0.71	2.54	72.1	51.0	2.58	3.58	1.04
798B-25X-5, 60-62	236.30	1.36	0.59	2.38	75.2	56.6	3.03	4.03	1.30
798B-27X-1, 66-68	249.66	1.63	0.98	2.67	63.4	39.9	1.74	2.74	0.66
798B-27X-2, 38-43	250.88	1.59	0.93	2.64	65.0	41.8	1.85	2.85	0.72
798B-27X-3, 38-40	252.38	1.46	0.72	2.55	71.6	50.3	2.53	3.53	1.01
798B-27X-4, 15-20	253.65	1.39	0.61	2.54	76.1	56.2	3.18	4.18	1.28
798B-27X-5, 95-97	255.95	1.49	0.78	2.55	69.4	47.7	2.27	3.27	0.91
798B-27X-6, 95-100	257.45	1.56	0.86	2.69	67.8	44.6	2.11	3.11	0.80
798B-27X-7, 31-33	258.31	1.33	0.54	2.41	77.8	59.8	3.51	4.51	1.49
798B-28X-1, 31-33	259.01	1.34	0.54	2.44	77.7	59.4	3.48	4.48	1.46
798B-28X-2, 27-32	260.47	1.48	0.77	2.50	69.3	48.0	2.25	3.25	0.92
798B-28X-3, 30-32	262.00	1.50	0.79	2.57	69.3	47.3	2.25	3.25	0.90
798B-28X-4, 31-35	263.51	1.39	0.62	2.49	74.9	55.1	2.98	3.98	1.23
798B-28X-5, 29-31	264.99	1.38	0.60	2.45	75.3	56.1	3.04	4.04	1.28
798B-28X-6, 27-33	266.47	1.30	0.49	2.36	79.1	62.2	3.79	4.79	1.64
798B-28X-7, 27-29	267.97	1.32	0.52	2.32	77.5	60.3	3.44	4.44	1.52
798B-29X-1, 30-32	268.60	1.49	0.77	2.58	70.3	48.4	2.37	3.37	0.94
798B-29X-2, 30-35	269.80	1.31	0.49	2.43	79.7	62.4	3.94	4.94	1.66
798B-29X-3, 30-32	271.30	1.33	0.52	2.55	79.5	61.0	3.87	4.87	1.56
798B-29X-4, 30-32	272.80	1.34	0.55	2.37	76.8	58.8	3.30	4.30	1.42
798B-29X-5, 30-32	274.30	1.39	0.63	2.48	74.6	54.9	2.94	3.94	1.22
798B-29X-6, 35-40	275.85	1.46	0.72	2.57	71.8	50.4	2.55	3.55	1.02
798B-29X-7, 35-37	277.35	1.38	0.61	2.45	75.3	56.1	3.05	4.05	1.28
798B-30X-1, 100-102	278.20	1.42	0.65	2.60	75.0	54.3	3.00	4.00	1.19
798B-30X-2, 100-105	279.70	1.60	0.92	2.75	66.7	42.7	2.00	3.00	0.74
798B-30X-3, 100-102	281.20	1.62	0.96	2.74	65.1	41.1	1.87	2.87	0.70
798B-30X-4, 100-105	282.70	1.50	0.78	2.60	69.9	47.8	2.32	3.32	0.92
798B-30X-5, 100-102	284.20	1.73	1.13	2.70	58.2	34.6	1.39	2.39	0.53
798B-31X-1, 30-32	286.70	1.34	0.55	2.41	77.2	59.0	3.39	4.39	1.44
798B-31X-2, 30-35	287.40	1.36	0.60	2.34	74.5	56.1	2.92	3.92	1.28
798B-31X-4, 55-60	290.65	1.41	0.69	2.36	70.9	51.4	2.44	3.44	1.06
798B-31X-6, 30-35	293.40	1.39	0.63	2.43	74.1	54.8	2.87	3.87	1.21
798B-31X-7, 91-93	295.51	1.41	0.65	2.53	74.4	54.1	2.91	3.91	1.18
798B-31X-8, 30-35	296.40	1.41	0.66	2.45	73.1	53.2	2.72	3.72	1.14
798B-32X-1, 130-132	297.30	1.37	0.60	2.42	75.4	56.5	3.07	4.07	1.30
798B-32X-2, 40-45	297.90	1.39	0.64	2.39	73.4	54.2	2.75	3.75	1.18
798B-32X-3, 20-22	299.20	1.34	0.56	2.32	75.7	58.0	3.12	4.12	1.38
798B-32X-4, 70-75	301.20	1.35	0.56	2.44	77.0	58.5	3.35	4.35	1.41
798B-32X-5, 20-22	302.20	1.36	0.58	2.43	76.3	57.5	3.22	4.22	1.36
798B-33X-1, 20-22	305.90	1.36	0.58	2.38	75.5	57.1	3.08	4.08	1.33



Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )				$\phi$ (%)	w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain						
798B-33X-2, 20-25	307.40	1.38	0.60	2.48	75.7	56.3	3.12	4.12	1.29	
798B-33X-3, 79-81	309.49	1.40	0.63	2.52	74.9	54.8	2.99	3.99	1.21	
798B-33X-4, 60-65	310.80	1.40	0.63	2.52	75.0	54.9	3.00	4.00	1.22	
798B-33X-5, 19-21	311.89	1.39	0.62	2.48	75.1	55.5	3.02	4.02	1.25	
798B-33X-6, 30-35	313.50	1.39	0.64	2.41	73.6	54.2	2.78	3.78	1.18	
798B-34X-1, 90-92	316.20	1.42	0.68	2.47	72.6	52.4	2.64	3.64	1.10	
798B-34X-2, 83-88	317.63	1.41	0.65	2.46	73.4	53.5	2.76	3.76	1.15	
798B-34X-3, 87-89	319.17	1.39	0.61	2.51	75.6	55.8	3.09	4.09	1.26	
798B-34X-4, 8-12	319.88	1.40	0.64	2.51	74.4	54.3	2.91	3.91	1.19	
798B-34X-5, 40-42	321.26	1.49	0.77	2.56	69.8	48.0	2.31	3.31	0.92	
798B-34X-CC, 23-25	321.84	1.63	0.96	2.72	64.6	40.7	1.82	2.82	0.69	
798B-35X-1, 15-17	325.15	1.57	0.89	2.67	66.9	43.6	2.02	3.02	0.77	
798B-35X-2, 15-17	326.65	1.57	0.89	2.65	66.3	43.3	1.97	2.97	0.76	
798B-35X-3, 40-42	328.40	1.57	0.87	2.75	68.6	44.8	2.19	3.19	0.81	
798B-35X-4, 40-45	329.90	1.58	0.90	2.69	66.3	42.9	1.97	2.97	0.75	
798B-35X-5, 40-42	331.40	1.62	0.95	2.72	65.2	41.3	1.87	2.87	0.70	
798B-35X-7, 5-7	334.05	1.54	0.82	2.79	70.7	47.0	2.41	3.41	0.89	
798B-36X-1, 40-45	335.00	1.56	0.87	2.67	67.5	44.3	2.07	3.07	0.79	
798B-36X-2, 20-22	336.30	1.64	1.00	2.63	61.9	38.7	1.62	2.62	0.63	
798B-36X-3, 14-16	337.74	1.65	1.00	2.71	63.0	39.2	1.70	2.70	0.64	
798B-37X-1, 60-62	344.90	1.63	0.99	2.65	62.4	39.1	1.66	2.66	0.64	
798B-37X-2, 46-48	346.26	1.65	0.99	2.76	64.1	39.8	1.78	2.78	0.66	
798B-37X-3, 44-46	347.74	1.58	0.89	2.68	66.7	43.3	2.00	3.00	0.76	
798B-38X-1, 18-20	354.08	1.49	0.77	2.58	70.1	48.2	2.35	3.35	0.93	
798B-38X-2, 40-42	355.80	1.50	0.79	2.56	69.0	47.1	2.23	3.23	0.89	
798B-38X-3, 31-33	357.21	1.45	0.73	2.50	71.0	50.1	2.44	3.44	1.00	
798B-38X-4, 31-33	358.71	1.44	0.69	2.55	73.1	52.1	2.72	3.72	1.09	
798B-38X-5, 24-26	360.14	1.51	0.78	2.72	71.2	48.2	2.48	3.48	0.93	
798B-38X-6, 58-60	361.98	1.50	0.79	2.55	69.0	47.3	2.23	3.23	0.90	
798B-39X-1, 14-16	363.74	1.42	0.68	2.43	72.2	52.2	2.60	3.60	1.09	
798B-39X-2, 83-85	365.93	1.43	0.69	2.48	72.0	51.6	2.58	3.58	1.06	
798B-39X-3, 33-35	366.93	1.45	0.71	2.54	72.3	51.2	2.61	3.61	1.05	
798B-39X-4, 85-87	368.95	1.44	0.70	2.52	72.2	51.4	2.60	3.60	1.06	
798B-39X-6, 127-129	372.37	1.50	0.78	2.58	69.7	47.7	2.30	3.30	0.91	
798B-40X-1, 24-26	373.44	1.47	0.76	2.47	69.1	48.2	2.24	3.24	0.93	
798B-40X-2, 23-25	374.93	1.46	0.74	2.50	70.3	49.3	2.37	3.37	0.97	
798B-40X-4, 131-133	379.01	1.44	0.71	2.44	70.8	50.4	2.42	3.42	1.02	
798B-40X-5, 31-33	379.51	1.46	0.73	2.52	70.9	49.8	2.44	3.44	0.99	
798B-41X-1, 60-62	383.50	1.58	0.90	2.69	66.5	43.1	1.99	2.99	0.76	
798B-41X-3, 60-65	386.50	1.48	0.75	2.59	70.9	49.2	2.44	3.44	0.97	
798B-41X-4, 60-62	388.00	1.52	0.81	2.61	68.9	46.4	2.21	3.21	0.87	
798B-41X-5, 60-65	389.50	1.59	0.92	2.69	65.8	42.3	1.92	2.92	0.73	
798B-41X-6, 20-22	390.60	1.54	0.85	2.62	67.7	45.0	2.10	3.10	0.82	
798B-42X-2, 20-22	393.15	1.64	0.99	2.68	62.9	39.3	1.70	2.70	0.65	
798B-42X-3, 20-25	394.65	1.71	1.09	2.74	60.0	36.0	1.50	2.50	0.56	
798B-42X-4, 20-22	396.15	1.71	1.10	2.75	60.1	35.9	1.51	2.51	0.56	
798B-42X-7, 19-24	400.64	1.76	1.19	2.66	55.2	32.2	1.23	2.23	0.47	
798B-43X-1, 13-15	402.33	1.52	0.81	2.60	68.7	46.4	2.20	3.20	0.87	
798B-43X-2, 80-85	404.50	1.74	1.12	2.82	60.3	35.6	1.52	2.52	0.55	
798B-43X-3, 20-22	405.40	1.70	1.06	2.82	62.5	37.6	1.66	2.66	0.60	
798B-43X-4, 50-55	407.20	1.73	1.11	2.80	60.4	35.7	1.52	2.52	0.56	
798B-43X-5, 41-43	408.61	1.77	1.17	2.84	59.0	34.1	1.44	2.44	0.52	
798B-43X-6, 20-25	409.90	1.63	0.99	2.67	63.1	39.6	1.71	2.71	0.66	
798B-44X-1, 40-42	412.20	1.65	1.00	2.74	63.6	39.5	1.75	2.75	0.65	
798B-44X-2, 40-45	413.70	1.68	1.06	2.72	61.1	37.1	1.57	2.57	0.59	
798B-44X-6, 50-52	419.80	1.64	0.98	2.75	64.2	40.0	1.79	2.79	0.67	
798B-44X-7, 50-55	420.84	1.73	1.13	2.75	58.9	34.8	1.43	2.43	0.53	
798B-45X-1, 33-35	421.83	1.68	1.05	2.71	61.3	37.4	1.58	2.58	0.60	
798B-45X-7, 31-33	430.46	1.61	0.95	2.66	64.5	41.1	1.81	2.81	0.70	
798B-46X-1, 50-52	431.60	1.60	0.91	2.75	66.8	42.9	2.01	3.01	0.75	
798B-46X-2, 131-133	433.91	1.66	1.02	2.67	61.7	38.2	1.61	2.61	0.62	
798B-46X-3, 110-112	435.20	1.62	0.96	2.72	64.6	40.7	1.83	2.83	0.69	
798B-46X-4, 70-72	436.30	1.62	0.96	2.71	64.6	40.7	1.82	2.82	0.69	
798B-46X-5, 43-45	437.53	1.62	0.97	2.69	64.0	40.5	1.78	2.78	0.68	
798B-46X-6, 113-115	439.73	1.69	1.06	2.75	61.2	37.1	1.58	2.58	0.59	
798B-47X-1, 26-28	441.06	1.59	0.94	2.60	63.8	41.0	1.76	2.76	0.69	
798B-47X-2, 7-9	441.20	1.63	0.99	2.63	62.4	39.3	1.66	2.66	0.65	
798B-47X-3, 74-77	443.37	1.60	0.94	2.62	63.9	41.0	1.77	2.77	0.69	
798B-47X-4, 44-46	444.57	1.57	0.89	2.62	66.1	43.2	1.95	2.95	0.76	
798B-47X-5, 43-45	446.06	1.60	0.93	2.70	65.4	41.8	1.89	2.89	0.72	
798B-47X-6, 80-82	447.93	1.56	0.89	2.59	65.7	43.1	1.92	2.92	0.76	
798B-47X-7, 23-25	448.86	1.54	0.85	2.58	67.2	44.8	2.05	3.05	0.81	
798B-48X-1, 44-45	450.84	1.71	1.11	2.67	58.4	34.9	1.40	2.40	0.54	
798B-48X-2, 21-23	452.11	1.69	1.06	2.73	61.4	37.3	1.59	2.59	0.60	

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)					
798B-48X-3, 104-106	454.44	1.66	1.06	2.57	58.7	36.2	1.42	2.42	0.57	
798B-48X-5, 97-99	457.37	1.75	1.17	2.68	56.4	33.0	1.29	2.29	0.49	
798B-49X-1, 66-67	460.76	1.78	1.21	2.76	56.1	32.2	1.28	2.28	0.48	
798B-49X-2, 110-112	462.70	1.65	0.98	2.83	65.3	40.5	1.88	2.88	0.68	
798B-49X-3, 75-76	463.85	1.73	1.12	2.79	59.9	35.5	1.50	2.50	0.55	
798B-49X-4, 112-114	465.72	1.70	1.05	2.83	62.8	37.9	1.69	2.69	0.61	
798B-49X-5, 63-64	466.73	1.87	1.34	2.77	51.7	28.3	1.07	2.07	0.40	
798B-49X-6, 110-112	468.70	1.84	1.30	2.73	52.5	29.3	1.11	2.11	0.41	
798B-49X-7, 23-24	469.33	1.85	1.32	2.76	52.3	28.9	1.09	2.09	0.41	
798B-50X-1, 75-77	470.45	1.85	1.30	2.79	53.3	29.6	1.14	2.14	0.42	
798B-50X-2, 110-112	472.30	1.78	1.17	2.90	59.7	34.3	1.48	2.48	0.52	
798B-50X-3, 29-31	472.99	1.84	1.32	2.66	50.6	28.2	1.02	2.02	0.39	
798B-51X-1, 41-43	479.81	1.85	1.31	2.75	52.4	29.1	1.10	2.10	0.41	
798B-51X-2, 23-25	481.13	1.82	1.30	2.61	50.1	28.2	1.00	2.00	0.39	
798B-51X-3, 84-86	483.24	1.81	1.27	2.70	53.0	30.0	1.13	2.13	0.43	
798B-51X-4, 108-110	484.98	1.82	1.26	2.78	54.8	30.9	1.21	2.21	0.45	
798B-51X-5, 31-33	485.71	1.77	1.22	2.64	54.0	31.3	1.18	2.18	0.46	
798B-51X-6, 86-88	487.76	1.86	1.33	2.75	51.7	28.5	1.07	2.07	0.40	
798B-52X-1, 19-21	489.19	1.82	1.32	2.59	49.1	27.6	0.96	1.96	0.38	
798B-52X-2, 17-19	490.67	1.79	1.30	2.52	48.4	27.6	0.94	1.94	0.38	
798B-52X-3, 93-95	492.93	1.81	1.27	2.67	52.6	29.8	1.11	2.11	0.43	
798B-52X-4, 94-96	494.44	1.79	1.25	2.69	53.6	30.6	1.16	2.16	0.44	
798B-52X-5, 91-93	495.91	1.77	1.19	2.74	56.4	32.6	1.29	2.29	0.48	
798B-52X-6, 40-42	496.90	1.77	1.22	2.62	53.3	30.8	1.14	2.14	0.45	
798B-53X-1, 121-123	499.91	1.79	1.25	2.62	52.2	29.9	1.09	2.09	0.43	
798B-53X-2, 131-133	501.51	1.77	1.23	2.57	51.9	30.1	1.08	2.08	0.43	
798B-53X-4, 95-97	504.15	1.78	1.25	2.56	50.9	29.4	1.04	2.04	0.42	
798B-53X-5, 8-10	504.78	1.78	1.26	2.57	50.7	29.1	1.03	2.03	0.41	
798B-54X-1, 43-46	508.73	1.73	1.22	2.43	49.7	29.4	0.99	1.99	0.42	
798B-54X-2, 56-58	510.06	1.66	1.05	2.61	59.7	36.8	1.48	2.48	0.58	
798B-54X-3, 122-124	512.22	1.75	1.22	2.52	51.5	30.1	1.06	2.06	0.43	
798B-54X-4, 131-133	513.81	1.79	1.29	2.53	49.0	28.0	0.96	1.96	0.39	
798B-54X-5, 92-94	514.92	1.79	1.29	2.51	48.7	27.9	0.95	1.95	0.39	
798C-1H-1, 106-108	1.06	1.24	0.37	2.46	85.2	70.4	6.37	7.37	2.38	
798C-1H-2, 106-108	2.56	1.37	0.59	2.67	79.0	59.1	4.81	5.81	1.45	
798C-1H-3, 106-108	4.06	1.39	0.61	2.71	78.0	57.3	3.91	4.91	1.34	
798C-1H-4, 106-108	5.56	1.39	0.62	2.60	76.6	56.3	3.59	4.59	1.29	
798C-2H-1, 34-36	6.64	1.47	0.72	2.78	74.7	52.1	3.19	4.19	1.09	
798C-2H-2, 34-36	8.14	1.46	0.72	2.70	74.4	52.4	3.34	4.34	1.10	
798C-2H-3, 34-36	9.64	1.42	0.67	2.70	76.2	54.8	3.74	4.74	1.21	
798C-2H-4, 34-36	11.14	1.45	0.70	2.73	75.4	53.4	3.65	4.65	1.15	
798C-2H-5, 34-36	12.64	1.41	0.65	2.64	75.7	54.8	3.45	4.45	1.21	
798C-2H-6, 34-36	14.14	1.39	0.60	2.69	77.9	57.4	3.89	4.89	1.35	
798C-2H-7, 34-36	15.64	1.53	0.79	2.67	69.1	46.2	1.94	2.94	0.86	
798C-3H-1, 78-80	16.08	1.53	0.82	2.84	72.4	48.2	2.84	3.84	0.93	
798C-3H-2, 78-80	17.58	1.40	0.66	2.51	74.5	54.4	3.24	4.24	1.19	
798C-3H-3, 77-79	19.07	1.53	0.86	2.49	65.7	44.1	1.94	2.94	0.79	
798C-3H-4, 77-79	20.57	1.41	0.66	2.57	75.0	54.4	3.40	4.40	1.19	
798C-3H-5, 79-81	22.09	1.43	0.67	2.68	75.6	57.9	3.98	4.98	1.38	
798C-3H-6, 59-61	23.39	1.49	0.78	2.64	71.3	49.0	2.77	3.77	0.96	
798C-3H-7, 59-61	24.89	1.49	0.76	2.73	72.6	49.9	2.89	3.89	1.00	
799A-1H-1, 44-48	0.44	1.23	0.34	2.57	86.9	72.5	6.61	7.61	2.64	
799A-2H-1, 76-78	1.96	1.44	0.68	2.70	75.0	53.2	3.00	4.00	1.14	
799A-2H-2, 20-25	2.90	1.68	1.03	2.82	63.4	38.7	1.73	2.73	0.63	
799A-2H-2, 76-80	3.46	1.50	0.79	2.59	69.6	47.6	2.29	3.29	0.91	
799A-2H-3, 72-74	4.92	1.41	0.62	2.73	77.3	56.2	3.40	4.40	1.28	
799A-2H-4, 74-78	6.44	1.42	0.64	2.74	76.7	55.2	3.29	4.29	1.23	
799A-2H-5, 74-76	7.94	1.52	0.79	2.75	71.2	47.9	2.47	3.47	0.92	
799A-2H-6, 44-48	9.14	1.37	0.56	2.66	79.0	59.2	3.77	4.77	1.45	
799A-2H-7, 24-26	10.44	1.37	0.54	2.76	80.3	60.2	4.07	5.07	1.51	
799A-3H-1, 11-13	10.81	1.33	0.48	2.71	82.2	63.5	4.61	5.61	1.74	
799A-3H-2, 10-15	12.30	1.41	0.62	2.73	77.2	55.9	3.38	4.38	1.27	
799A-3H-3, 10-12	13.80	1.52	0.78	2.78	71.9	48.5	2.56	3.56	0.94	
799A-3H-4, 6-11	15.26	1.57	0.87	2.74	68.4	44.7	2.16	3.16	0.81	
799A-3H-6, 10-15	18.30	1.54	0.82	2.81	70.9	47.1	2.44	3.44	0.89	
799A-3H-7, 10-12	19.80	1.57	0.87	2.74	68.4	44.7	2.17	3.17	0.81	
799A-4H-1, 20-25	20.50	1.59	0.91	2.75	67.1	43.1	2.04	3.04	0.76	
799A-4H-1, 20-22	20.50	1.38	0.58	2.73	78.9	58.3	3.73	4.73	1.40	
799A-4H-2, 20-25	22.00	1.59	0.91	2.75	67.1	43.1	2.04	3.04	0.76	
799A-4H-3, 20-22	23.50	1.42	0.64	2.67	76.0	54.9	3.17	4.17	1.22	
799A-4H-4, 20-25	25.00	1.49	0.75	2.71	72.2	49.5	2.59	3.59	0.98	
799A-4H-5, 20-22	26.50	1.52	0.78	2.76	71.6	48.3	2.52	3.52	0.94	
799A-4H-6, 20-25	28.00	1.37	0.55	2.71	79.6	59.6	3.90	4.90	1.47	
799A-5H-1, 3-5	29.93	1.42	0.66	2.60	74.6	53.7	2.93	3.93	1.16	

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)					
799A-5H-1, 31-33	30.21	1.69	1.05	2.84	63.2	38.2	1.71	2.71	0.62	
799A-5H-2, 20-25	31.60	1.53	0.80	2.79	71.3	47.7	2.48	3.48	0.91	
799A-5H-4, 20-25	34.60	1.45	0.67	2.74	75.5	53.4	3.09	4.09	1.15	
799A-5H-5, 20-22	36.10	1.54	0.83	2.72	69.3	46.0	2.26	3.26	0.85	
799A-5H-6, 20-25	37.60	1.61	0.97	2.60	62.5	39.7	1.67	2.67	0.66	
799A-5H-7, 10-12	39.00	1.46	0.73	2.50	71.0	50.0	2.45	3.45	1.00	
799A-6H-1, 115-117	40.65	1.43	0.65	2.69	75.6	54.2	3.10	4.10	1.18	
799A-6H-2, 20-25	41.20	1.47	0.74	2.63	72.0	50.0	2.57	3.57	1.00	
799A-6H-3, 37-39	42.87	1.53	0.82	2.69	69.6	46.5	2.28	3.28	0.87	
799A-6H-4, 20-25	44.20	1.44	0.67	2.67	74.8	53.2	2.97	3.97	1.14	
799A-6H-6, 20-25	47.20	1.60	0.91	2.81	67.7	43.3	2.10	3.10	0.76	
799A-7H-1, 34-36	49.44	1.64	0.98	2.71	63.8	40.0	1.76	2.76	0.67	
799A-7H-2, 40-44	51.00	1.68	1.04	2.79	62.6	38.1	1.67	2.67	0.61	
799A-7H-3, 40-42	52.50	1.61	0.93	2.75	66.1	42.0	1.95	2.95	0.73	
799A-7H-4, 40-44	54.00	1.61	0.94	2.74	65.8	41.8	1.92	2.92	0.72	
799A-7H-5, 42-44	55.52	1.52	0.79	2.75	71.2	48.0	2.47	3.47	0.92	
799A-7H-6, 38-42	56.98	1.63	0.99	2.66	63.0	39.6	1.70	2.70	0.66	
799A-7H-7, 38-40	58.48	1.56	0.85	2.81	69.8	45.8	2.31	3.31	0.84	
799A-8H-1, 70-72	59.40	1.49	0.76	2.69	71.9	49.3	2.56	3.56	0.97	
799A-8H-2, 70-74	60.90	1.52	0.79	2.75	71.4	48.2	2.49	3.49	0.93	
799A-8H-3, 80-82	62.50	1.54	0.84	2.67	68.7	45.7	2.20	3.20	0.84	
799A-8H-4, 60-64	63.80	1.55	0.84	2.72	69.1	45.7	2.24	3.24	0.84	
799A-8H-5, 70-72	65.40	1.48	0.73	2.70	72.8	50.5	2.68	3.68	1.02	
799A-8H-6, 50-54	66.70	1.35	0.52	2.78	81.2	61.4	4.31	5.31	1.59	
799A-8H-7, 70-72	68.40	1.67	1.02	2.82	64.0	39.2	1.77	2.77	0.64	
799A-9H-1, 25-27	68.55	1.48	0.73	2.73	73.4	50.8	2.76	3.76	1.03	
799A-9H-2, 30-35	70.10	1.62	0.96	2.71	64.7	40.9	1.83	2.83	0.69	
799A-9H-3, 11-13	71.41	1.56	0.87	2.71	67.9	44.5	2.12	3.12	0.80	
799A-9H-4, 5-10	72.85	1.53	0.81	2.68	69.5	46.7	2.28	3.28	0.87	
799A-9H-5, 117-119	75.47	1.64	0.98	2.71	63.7	39.9	1.75	2.75	0.66	
799A-9H-6, 30-35	76.10	1.65	1.00	2.75	63.5	39.4	1.74	2.74	0.65	
799A-10H-1, 25-27	78.15	1.58	0.88	2.76	68.1	44.1	2.13	3.13	0.79	
799A-10H-2, 25-30	79.65	1.56	0.85	2.76	69.4	45.7	2.27	3.27	0.84	
799A-10H-3, 25-27	81.15	1.60	0.91	2.78	67.1	43.1	2.04	3.04	0.76	
799A-10H-4, 25-30	82.65	1.60	0.92	2.78	67.1	42.9	2.04	3.04	0.75	
799A-10H-5, 135-137	85.25	1.44	0.69	2.57	73.3	52.3	2.74	3.74	1.09	
799A-10H-6, 120-125	86.60	1.60	0.92	2.76	66.5	42.5	1.99	2.99	0.74	
799A-11H-1, 95-97	88.45	1.55	0.82	2.83	70.9	46.9	2.43	3.43	0.88	
799A-11H-2, 20-25	89.20	1.46	0.69	2.74	74.8	52.6	2.97	3.97	1.11	
799A-11H-3, 78-80	91.28	1.52	0.79	2.75	71.3	48.1	2.49	3.49	0.93	
799A-11H-4, 60-65	92.60	1.42	0.64	2.68	76.2	55.1	3.20	4.20	1.22	
799A-11H-5, 20-22	93.70	1.60	0.96	2.55	62.2	39.8	1.65	2.65	0.66	
799A-11H-6, 100-105	96.00	1.65	0.98	2.79	64.8	40.3	1.84	2.84	0.68	
799A-12H-1, 30-32	97.50	1.56	0.87	2.70	67.9	44.6	2.12	3.12	0.80	
799A-12H-3, 45-47	100.65	1.35	0.57	2.38	76.0	57.7	3.17	4.17	1.36	
799A-12H-4, 30-35	102.00	1.58	0.91	2.62	65.0	42.1	1.86	2.86	0.73	
799A-12H-5, 20-22	103.40	1.26	0.45	2.18	79.2	64.2	3.80	4.80	1.79	
799A-12H-6, 20-25	104.90	1.49	0.74	2.84	74.1	50.8	2.86	3.86	1.03	
799A-13H-1, 20-22	107.00	1.45	0.67	2.74	75.5	53.5	3.08	4.08	1.15	
799A-13H-2, 26-31	108.56	1.64	0.97	2.78	65.0	40.6	1.86	2.86	0.68	
799A-13H-3, 30-32	110.10	1.59	0.90	2.79	67.8	43.6	2.10	3.10	0.77	
799A-13H-4, 20-25	111.50	1.50	0.75	2.82	73.6	50.3	2.79	3.79	1.01	
799A-13H-5, 20-22	113.00	1.49	0.74	2.74	73.0	50.2	2.70	3.70	1.01	
799A-13H-6, 20-25	114.50	1.52	0.78	2.84	72.5	48.8	2.64	3.64	0.95	
799A-14H-1, 17-19	116.67	1.55	0.85	2.65	68.0	45.1	2.13	3.13	0.82	
799A-14H-3, 95-97	120.45	1.72	1.10	2.79	60.7	36.2	1.54	2.54	0.57	
799A-14H-4, 30-32	121.30	1.50	0.75	2.85	73.9	50.4	2.83	3.83	1.01	
799A-14H-5, 40-45	122.90	1.59	0.95	2.52	62.3	40.2	1.65	2.65	0.67	
799A-14H-6, 30-35	124.30	1.59	0.87	2.89	70.0	45.3	2.34	3.34	0.83	
799A-15H-1, 55-57	126.65	1.54	0.80	2.87	71.9	47.8	2.56	3.56	0.92	
799A-15H-2, 55-59	128.15	1.51	0.76	2.89	73.8	50.0	2.82	3.82	1.00	
799A-15H-3, 54-56	129.64	1.64	0.96	2.82	65.9	41.2	1.93	2.93	0.70	
799A-15H-4, 54-58	131.14	1.51	0.76	2.83	73.3	49.8	2.74	3.74	0.99	
799A-15H-5, 54-56	132.64	1.54	0.81	2.82	71.4	47.6	2.50	3.50	0.91	
799A-15H-6, 54-58	134.14	1.70	1.07	2.78	61.6	37.1	1.60	2.60	0.59	
799A-15H-7, 31-33	135.41	1.53	0.83	2.68	69.2	46.2	2.24	3.24	0.86	
799A-16H-1, 140-142	137.20	1.52	0.81	2.68	69.7	46.9	2.30	3.30	0.88	
799A-16H-2, 60-65	137.90	1.70	1.06	2.82	62.3	37.6	1.65	2.65	0.60	
799A-16H-3, 133-135	140.13	1.50	0.76	2.73	72.2	49.4	2.60	3.60	0.98	
799A-16H-4, 60-65	140.90	1.58	0.88	2.80	68.4	44.3	2.16	3.16	0.79	
799A-16H-5, 60-62	142.40	1.55	0.84	2.76	69.7	46.1	2.30	3.30	0.85	
799A-16H-6, 60-65	143.90	1.50	0.76	2.71	71.8	49.1	2.55	3.55	0.97	
799A-17H-1, 55-57	146.05	1.45	0.68	2.67	74.5	52.8	2.92	3.92	1.12	
799A-17H-2, 55-60	147.55	1.49	0.73	2.79	73.7	50.7	2.80	3.80	1.03	

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )				$\phi$ (%)	w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain						
799A-17H-3, 55-57	149.05	1.45	0.67	2.75	75.7	53.6	3.11	4.11	1.16	
799A-17H-4, 40-45	150.40	1.47	0.73	2.65	72.4	50.3	2.62	3.62	1.01	
799A-17H-5, 40-42	151.90	1.68	1.03	2.80	63.1	38.5	1.71	2.71	0.63	
799A-17H-6, 40-45	153.40	1.49	0.75	2.70	72.1	49.4	2.58	3.58	0.98	
799A-18H-1, 30-32	155.50	1.39	0.61	2.54	75.8	55.8	3.14	4.14	1.26	
799A-18H-2, 25-30	156.95	1.41	0.65	2.51	74.2	54.0	2.87	3.87	1.17	
799A-18H-3, 100-102	159.20	1.47	0.72	2.70	73.3	51.1	2.75	3.75	1.04	
799A-18H-4, 40-45	160.10	1.46	0.70	2.69	73.8	51.8	2.82	3.82	1.07	
799A-18H-5, 40-42	161.60	1.41	0.64	2.53	74.6	54.3	2.93	3.93	1.19	
799A-18H-6, 40-45	163.10	1.63	0.95	2.81	66.0	41.5	1.94	2.94	0.71	
799A-19H-1, 5-10	164.85	1.45	0.67	2.78	75.9	53.7	3.15	4.15	1.16	
799A-19H-2, 20-25	166.50	1.38	0.59	2.54	76.8	57.1	3.30	4.30	1.33	
799A-19H-3, 40-42	168.20	1.48	0.75	2.65	71.8	49.6	2.54	3.54	0.99	
799A-19H-4, 15-20	169.45	1.40	0.63	2.53	75.2	55.1	3.03	4.03	1.23	
799A-19H-5, 90-92	171.70	1.42	0.65	2.57	74.5	53.9	2.93	3.93	1.17	
799A-19H-6, 70-75	173.00	1.46	0.70	2.68	73.8	51.9	2.82	3.82	1.08	
799A-20H-1, 20-22	174.70	1.37	0.59	2.47	76.1	56.9	3.19	4.19	1.32	
799A-20H-2, 20-25	176.20	1.48	0.73	2.70	73.1	50.8	2.72	3.72	1.03	
799A-20H-3, 20-22	177.70	1.39	0.60	2.54	76.2	56.3	3.20	4.20	1.29	
799A-20H-4, 20-25	179.20	1.36	0.58	2.41	75.9	57.3	3.14	4.14	1.34	
799A-20H-5, 20-22	180.70	1.48	0.73	2.73	73.4	50.8	2.76	3.76	1.03	
799A-20H-6, 20-25	182.20	1.52	0.79	2.78	71.6	48.2	2.53	3.53	0.93	
799A-21X-1, 20-22	184.30	1.39	0.59	2.67	77.7	57.2	3.48	4.48	1.34	
799A-21X-2, 20-25	185.80	1.39	0.62	2.53	75.7	55.7	3.12	4.12	1.26	
799A-21X-3, 20-22	187.30	1.35	0.57	2.36	75.8	57.6	3.12	4.12	1.36	
799A-21X-4, 20-25	188.80	1.40	0.64	2.48	74.1	54.2	2.87	3.87	1.18	
799A-21X-5, 20-22	190.30	1.42	0.66	2.62	75.0	53.9	2.99	3.99	1.17	
799A-21X-6, 20-25	191.80	1.39	0.64	2.45	74.1	54.4	2.85	3.85	1.19	
799A-22X-1, 77-79	194.57	1.43	0.63	2.84	77.8	55.8	3.50	4.50	1.26	
799A-22X-2, 77-81	196.07	1.44	0.67	2.72	75.3	53.4	3.04	4.04	1.15	
799A-22X-3, 70-72	197.50	1.34	0.52	2.57	79.5	60.9	3.88	4.88	1.55	
799A-22X-4, 34-38	198.64	1.36	0.56	2.60	78.4	58.9	3.64	4.64	1.43	
799A-22X-5, 34-36	200.14	1.37	0.59	2.47	76.3	57.1	3.22	4.22	1.33	
799A-22X-6, 34-38	201.64	1.45	0.68	2.73	75.3	53.2	3.04	4.04	1.14	
799A-22X-7, 20-22	203.00	1.50	0.79	2.63	70.1	47.7	2.34	3.34	0.91	
799A-23X-1, 29-31	203.79	1.43	0.64	2.76	76.8	55.1	3.30	4.30	1.23	
799A-23X-2, 29-31	205.29	1.43	0.64	2.75	76.8	55.1	3.30	4.30	1.23	
799A-23X-3, 29-31	206.79	1.37	0.57	2.67	78.8	58.8	3.72	4.72	1.43	
799A-23X-4, 20-24	208.20	1.46	0.68	2.82	75.6	53.1	3.10	4.10	1.13	
799A-23X-5, 26-28	209.76	1.40	0.61	2.67	77.2	56.5	3.38	4.38	1.30	
799A-23X-6, 16-20	211.16	1.43	0.62	2.94	78.9	56.7	3.74	4.74	1.31	
799A-23X-7, 20-22	212.70	1.38	0.61	2.50	75.6	56.0	3.10	4.10	1.27	
799A-24X-1, 90-92	214.00	1.46	0.70	2.74	74.5	52.2	2.92	3.92	1.09	
799A-24X-2, 132-136	215.92	1.39	0.61	2.52	75.8	56.0	3.13	4.13	1.28	
799A-24X-3, 97-99	217.07	1.49	0.72	2.82	74.3	51.2	2.89	3.89	1.05	
799A-24X-4, 98-102	218.58	1.46	0.68	2.85	76.2	53.5	3.20	4.20	1.15	
799A-24X-5, 99-101	220.09	1.42	0.63	2.74	77.1	55.8	3.37	4.37	1.26	
799A-24X-6, 20-24	220.80	1.45	0.65	2.99	78.3	55.4	3.62	4.62	1.24	
799A-25X-1, 104-106	223.84	1.80	1.21	2.83	57.2	32.6	1.34	2.34	0.48	
799A-25X-2, 112-116	225.42	1.40	0.58	2.82	79.3	58.2	3.84	4.84	1.39	
799A-25X-3, 110-112	226.90	1.41	0.65	2.54	74.3	53.9	2.89	3.89	1.17	
799A-25X-4, 113-117	228.43	1.38	0.59	2.59	77.3	57.5	3.41	4.41	1.35	
799A-25X-5, 113-115	229.93	1.45	0.70	2.63	73.4	52.0	2.76	3.76	1.08	
799A-25X-6, 112-116	231.42	1.34	0.53	2.47	78.5	60.2	3.65	4.65	1.51	
799A-25X-7, 43-45	232.23	1.39	0.59	2.77	78.8	57.9	3.71	4.71	1.37	
799A-27X-1, 29-31	241.69	1.38	0.58	2.58	77.5	57.8	3.45	4.45	1.37	
799A-27X-2, 25-29	243.15	1.36	0.57	2.57	78.0	58.5	3.54	4.54	1.41	
799A-27X-3, 108-110	245.48	1.36	0.60	2.29	73.8	55.8	2.82	3.82	1.26	
799A-27X-4, 21-25	246.11	1.33	0.55	2.30	76.1	58.8	3.19	4.19	1.43	
799A-29X-2, 25-30	252.65	1.35	0.57	2.35	75.5	57.4	3.08	4.08	1.35	
799A-29X-3, 21-23	254.11	1.32	0.54	2.23	75.7	58.7	3.11	4.11	1.42	
799A-29X-4, 22-27	255.62	1.31	0.50	2.40	79.2	61.9	3.81	4.81	1.63	
799A-29X-5, 90-92	257.80	1.40	0.60	2.71	77.8	56.9	3.51	4.51	1.32	
799A-30X-6, 55-60	268.55	1.38	0.58	2.68	78.3	58.0	3.61	4.61	1.38	
799A-31X-1, 15-17	270.35	1.39	0.62	2.50	75.0	55.2	3.00	4.00	1.23	
799A-31X-5, 25-30	276.45	1.37	0.59	2.49	76.4	57.1	3.23	4.23	1.33	
799A-32X-1, 50-52	278.70	1.37	0.58	2.55	77.3	57.8	3.40	4.40	1.37	
799A-32X-2, 50-55	280.20	1.35	0.53	2.61	79.5	60.4	3.87	4.87	1.52	
799A-32X-3, 50-52	281.70	1.33	0.52	2.45	78.6	60.6	3.68	4.68	1.54	
799A-32X-4, 50-55	283.20	1.33	0.53	2.46	78.6	60.5	3.67	4.67	1.53	
799A-32X-5, 40-42	284.60	1.35	0.54	2.54	78.7	59.8	3.69	4.69	1.49	
799A-33X-1, 100-102	288.90	1.33	0.51	2.61	80.5	61.8	4.13	5.13	1.62	
799A-33X-4, 66-71	293.06	1.30	0.44	2.73	83.7	65.9	5.15	6.15	1.93	
799A-35X-1, 66-68	307.96	1.36	0.59	2.40	75.5	56.8	3.08	4.08	1.31	

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)	w(%)			
799A-35X-2, 66-70	309.46	1.32	0.54	2.28	76.0	58.8	3.18	4.18	1.43
799A-35X-3, 66-68	310.96	1.31	0.50	2.31	78.2	61.3	3.58	4.58	1.59
799A-35X-4, 66-70	312.46	1.30	0.50	2.32	78.5	61.7	3.64	4.64	1.61
799A-35X-5, 66-68	313.96	1.30	0.49	2.33	78.8	62.1	3.71	4.71	1.64
799A-35X-6, 66-70	315.46	1.29	0.49	2.28	78.6	62.2	3.67	4.67	1.65
799A-35X-7, 34-36	316.64	1.30	0.51	2.28	77.8	61.2	3.51	4.51	1.58
799A-36X-1, 30-32	317.20	1.31	0.50	2.45	79.7	62.1	3.92	4.92	1.64
799A-36X-2, 30-34	318.70	1.25	0.43	2.16	80.1	65.7	4.02	5.02	1.91
799A-36X-3, 30-32	320.20	1.26	0.44	2.24	80.3	65.1	4.08	5.08	1.86
799A-36X-4, 30-34	321.70	1.26	0.44	2.23	80.2	65.0	4.05	5.05	1.86
799A-36X-5, 30-32	323.20	1.30	0.51	2.28	77.8	61.1	3.50	4.50	1.57
799A-36X-6, 30-34	324.70	1.28	0.46	2.37	80.7	64.5	4.19	5.19	1.82
799A-37X-1, 68-70	327.28	1.34	0.54	2.49	78.4	59.8	3.62	4.62	1.49
799A-37X-2, 68-72	328.78	1.36	0.56	2.48	77.4	58.5	3.42	4.42	1.41
799A-37X-3, 24-26	329.84	1.34	0.54	2.49	78.1	59.5	3.57	4.57	1.47
799A-37X-4, 24-28	331.34	1.29	0.46	2.36	80.3	63.9	4.07	5.07	1.77
799A-37X-5, 24-26	332.84	1.29	0.47	2.34	79.9	63.5	3.99	4.99	1.74
799A-37X-6, 24-28	334.34	1.31	0.50	2.40	79.3	62.0	3.82	4.82	1.63
799A-37X-7, 24-26	335.84	1.29	0.47	2.35	80.0	63.6	4.00	5.00	1.74
799A-38X-1, 29-31	336.49	1.34	0.55	2.46	77.7	59.2	3.48	4.48	1.45
799A-38X-2, 29-33	337.99	1.36	0.58	2.45	76.2	57.3	3.20	4.20	1.34
799A-38X-3, 29-31	339.49	1.36	0.55	2.57	78.6	59.3	3.66	4.66	1.46
799A-38X-4, 29-33	340.99	1.32	0.51	2.40	78.7	61.1	3.68	4.68	1.57
799A-38X-5, 29-31	342.49	1.35	0.52	2.66	80.5	61.3	4.13	5.13	1.59
799A-38X-6, 29-33	343.99	1.39	0.60	2.65	77.2	56.8	3.39	4.39	1.31
799A-38X-7, 10-14	345.30	1.42	0.65	2.61	74.9	54.0	2.99	3.99	1.17
799A-39X-1, 40-42	346.30	1.37	0.59	2.48	76.0	56.7	3.17	4.17	1.31
799A-39X-2, 40-44	347.80	1.35	0.54	2.63	79.5	60.1	3.87	4.87	1.51
799A-39X-3, 40-42	349.30	1.38	0.58	2.63	77.9	57.8	3.53	4.53	1.37
799A-39X-4, 40-44	350.80	1.33	0.52	2.57	80.0	61.4	3.99	4.99	1.59
799A-39X-5, 40-42	352.30	1.38	0.61	2.46	75.3	55.8	3.04	4.04	1.26
799A-39X-6, 40-44	353.80	1.40	0.62	2.59	76.0	55.5	3.16	4.16	1.25
799A-39X-7, 40-42	355.30	1.33	0.56	2.29	75.7	58.2	3.11	4.11	1.39
799A-40X-1, 94-96	356.54	1.51	0.79	2.73	71.2	48.1	2.47	3.47	0.93
799A-40X-2, 94-98	358.04	1.30	0.50	2.32	78.4	61.6	3.63	4.63	1.60
799A-40X-3, 94-96	359.54	1.35	0.58	2.34	75.4	57.3	3.06	4.06	1.34
799A-40X-4, 103-107	361.13	1.36	0.60	2.33	74.3	55.9	2.89	3.89	1.27
799A-40X-5, 96-98	362.56	1.38	0.59	2.55	76.8	57.1	3.31	4.31	1.33
799A-40X-6, 107-111	364.17	1.42	0.64	2.62	75.4	54.5	3.06	4.06	1.20
799A-40X-7, 50-52	365.10	1.37	0.57	2.59	77.9	58.1	3.52	4.52	1.39
799A-41X-1, 50-52	365.80	1.36	0.56	2.51	77.6	58.5	3.46	4.46	1.41
799A-41X-3, 61-63	368.91	1.31	0.49	2.48	80.2	62.6	4.05	5.05	1.67
799A-41X-4, 52-57	370.32	1.38	0.62	2.47	75.1	55.5	3.01	4.01	1.25
799A-41X-5, 50-52	371.80	1.34	0.57	2.31	75.4	57.5	3.06	4.06	1.36
799A-41X-6, 30-35	373.10	1.36	0.59	2.35	74.9	56.5	2.98	3.98	1.30
799A-42X-2, 23-28	376.73	1.32	0.54	2.25	76.2	59.3	3.19	4.19	1.46
799A-42X-2, 90-92	377.40	1.40	0.62	2.58	75.8	55.5	3.13	4.13	1.25
799A-42X-6, 80-85	383.30	1.40	0.64	2.43	73.7	54.1	2.80	3.80	1.18
799A-43X-1, 40-42	385.00	1.41	0.65	2.53	74.4	54.0	2.90	3.90	1.17
799A-43X-2, 40-45	386.50	1.31	0.53	2.25	76.4	59.6	3.23	4.23	1.48
799A-43X-3, 40-42	388.00	1.41	0.66	2.50	73.7	53.4	2.81	3.81	1.15
799A-43X-4, 40-45	389.50	1.36	0.58	2.41	75.9	57.3	3.15	4.15	1.34
799A-43X-5, 40-42	391.00	1.33	0.52	2.53	79.5	61.1	3.88	4.88	1.57
799A-43X-6, 40-45	392.50	1.43	0.67	2.57	73.8	53.0	2.82	3.82	1.13
799A-44X-1, 10-12	394.40	1.42	0.66	2.58	74.3	53.4	2.88	3.88	1.15
799A-44X-2, 10-15	395.90	1.39	0.59	2.70	78.4	57.8	3.62	4.62	1.37
799A-45X-1, 40-42	404.30	1.39	0.60	2.63	77.1	56.8	3.38	4.38	1.31
799A-45X-2, 20-25	405.60	1.42	0.66	2.58	74.6	53.8	2.94	3.94	1.17
799A-45X-2, 44-49	405.84	1.41	0.65	2.54	74.6	54.2	2.93	3.93	1.18
799A-45X-3, 40-42	407.30	1.44	0.67	2.69	75.0	53.4	3.00	4.00	1.14
799A-45X-4, 47-52	408.87	1.43	0.67	2.56	73.8	53.0	2.82	3.82	1.13
799A-45X-5, 50-52	410.40	1.40	0.62	2.56	75.6	55.4	3.10	4.10	1.24
799A-46X-1, 20-22	413.80	1.37	0.59	2.49	76.4	57.0	3.23	4.23	1.33
799A-46X-3, 20-22	416.80	1.37	0.57	2.63	78.3	58.4	3.61	4.61	1.41
799A-46X-4, 20-25	418.30	1.38	0.59	2.59	77.4	57.5	3.42	4.42	1.36
799A-46X-5, 20-22	419.80	1.36	0.56	2.50	77.7	58.7	3.48	4.48	1.42
799A-46X-6, 20-25	421.30	1.31	0.51	2.35	78.5	61.4	3.66	4.66	1.59
799A-47X-1, 107-108	424.37	1.43	0.68	2.50	72.8	52.2	2.68	3.68	1.09
799A-47X-2, 101-103	425.81	1.44	0.66	2.73	75.8	54.0	3.13	4.13	1.18
799A-47X-3, 126-128	427.56	1.43	0.64	2.81	77.3	55.2	3.40	4.40	1.23
799A-47X-4, 126-130	429.06	1.45	0.71	2.57	72.4	51.0	2.62	3.62	1.04
799A-47X-5, 61-67	429.91	1.48	0.74	2.63	71.7	49.7	2.54	3.54	0.99
799A-47X-6, 144-148	432.24	1.44	0.67	2.71	75.3	53.6	3.05	4.05	1.15
799A-47X-7, 41-43	432.71	1.40	0.62	2.56	75.6	55.5	3.10	4.10	1.24

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )					w(%)	Water ratio	e	v
		Wet bulk	Dry bulk	Grain	φ(%)					
799A-48X-1, 67-69	433.57	1.44	0.69	2.53	72.7	51.8	2.66	3.66	1.08	
799A-48X-2, 46-50	434.86	1.41	0.63	2.62	76.1	55.5	3.19	4.19	1.25	
799A-48X-3, 68-70	436.58	1.37	0.59	2.45	75.8	56.8	3.13	4.13	1.31	
799A-49X-1, 45-47	443.05	1.47	0.72	2.67	72.8	50.7	2.68	3.68	1.03	
799A-49X-CC, 14-18	443.71	2.63	2.52	2.83	11.3	4.4	0.13	1.13	0.05	
799A-50X-1, 88-90	453.18	1.43	0.69	2.55	73.0	52.1	2.70	3.70	1.09	
799A-50X-2, 88-92	454.68	1.46	0.73	2.52	71.0	49.9	2.45	3.45	0.99	
799A-50X-3, 88-90	456.18	1.44	0.70	2.56	72.6	51.5	2.65	3.65	1.06	
799A-50X-4, 93-97	457.73	1.70	1.10	2.67	58.8	35.5	1.43	2.43	0.55	
799A-50X-5, 68-70	458.98	1.76	1.26	2.44	48.2	28.1	0.93	1.93	0.39	
799A-50X-6, 38-40	460.18	1.89	1.58	2.28	30.7	16.6	0.44	1.44	0.20	
799A-51X-1, 80-82	462.70	1.89	1.55	2.29	32.4	17.6	0.48	1.48	0.21	
799A-51X-2, 80-84	464.20	1.75	1.12	2.87	61.1	35.9	1.57	2.57	0.56	
799A-51X-3, 80-82	465.70	1.75	1.17	2.70	56.9	33.3	1.32	2.32	0.50	
799A-51X-CC, 2-4	465.87	2.28	2.06	2.63	21.7	9.8	0.28	1.28	0.11	
799A-51X-CC, 18-20	466.03	2.62	2.56	2.72	5.9	2.3	0.06	1.06	0.02	
799B-5R-1, 90-94	490.50	1.60	0.99	2.45	59.7	38.2	1.48	2.48	0.62	
799B-5R-2, 14-18	491.24	1.68	1.07	2.65	59.6	36.3	1.48	2.48	0.57	
799B-5R-3, 40-44	493.00	1.70	1.10	2.62	57.9	34.9	1.37	2.37	0.54	
799B-6R-1, 33-38	494.93	1.65	1.05	2.51	58.1	36.1	1.38	2.38	0.56	
799B-6R-3, 10-15	497.70	1.67	1.08	2.57	58.0	35.5	1.38	2.38	0.55	
799B-7R-1, 20-25	499.90	1.66	1.05	2.63	60.1	37.0	1.50	2.50	0.59	
799B-7R-3, 30-35	503.00	1.65	1.05	2.53	58.7	36.5	1.42	2.42	0.57	
799B-8R-1, 95-99	510.25	1.65	1.07	2.45	56.5	35.2	1.30	2.30	0.54	
799B-8R-3, 53-57	512.83	1.65	1.05	2.54	58.8	36.5	1.42	2.42	0.57	
799B-8R-6, 16-20	516.96	1.73	1.23	2.42	49.2	29.1	0.97	1.97	0.41	
799B-9R-2, 91-95	521.41	1.81	1.33	2.49	46.5	26.3	0.87	1.87	0.36	
799B-9R-4, 123-125	524.73	1.68	1.15	2.37	51.4	31.4	1.06	2.06	0.46	
799B-10R-2, 127-131	531.37	1.73	1.15	2.67	57.1	33.7	1.33	2.33	0.51	
799B-10R-4, 64-67	533.74	1.75	1.18	2.62	54.8	32.1	1.21	2.21	0.47	
799B-11R-2, 22-26	540.02	1.76	1.19	2.71	56.2	32.6	1.28	2.28	0.48	
799B-11R-5, 29-31	544.59	1.74	1.17	2.64	55.8	32.9	1.26	2.26	0.49	
799B-11R-7, 32-35	547.62	1.84	1.30	2.75	52.7	29.4	1.12	2.12	0.42	
799B-12R-3, 34-37	551.24	1.65	1.03	2.62	61.0	37.9	1.56	2.56	0.61	
799B-12R-4, 53-56	552.93	1.80	1.24	2.73	54.5	31.0	1.20	2.20	0.45	
799B-12R-4, 71-74	553.11	1.89	1.35	2.85	52.7	28.5	1.11	2.11	0.40	
799B-13R-1, 56-61	558.16	1.89	1.33	2.93	54.8	29.8	1.21	2.21	0.42	
799B-13R-3, 60-65	561.20	1.80	1.25	2.70	53.8	30.7	1.16	2.16	0.44	
799B-14R-1, 85-90	568.15	1.87	1.33	2.79	52.3	28.8	1.10	2.10	0.40	
799B-14R-3, 55-60	570.85	1.85	1.32	2.75	52.1	28.8	1.09	2.09	0.40	
799B-15R-1, 25-30	577.25	1.71	1.16	2.52	53.9	32.2	1.17	2.17	0.47	
799B-15R-4, 5-10	581.55	1.63	1.02	2.52	59.3	37.2	1.46	2.46	0.59	
799B-16R-1, 80-85	587.40	1.64	1.05	2.46	57.2	35.8	1.34	2.34	0.56	
799B-16R-3, 110-115	590.70	1.80	1.27	2.60	51.0	29.1	1.04	2.04	0.41	
799B-17R-1, 25-30	596.55	1.89	1.39	2.69	48.3	26.2	0.93	1.93	0.36	
799B-17R-3, 35-40	599.65	1.88	1.35	2.77	51.2	27.9	1.05	2.05	0.39	
799B-17R-5, 30-35	602.60	1.90	1.38	2.79	50.7	27.4	1.03	2.03	0.38	
799B-18R-1, 143-147	607.33	1.92	1.42	2.76	48.5	25.9	0.94	1.94	0.35	
799B-18R-3, 89-91	609.79	1.85	1.33	2.70	50.7	28.0	1.03	2.03	0.39	
799B-18R-4, 139-141	611.79	1.85	1.31	2.80	53.2	29.4	1.14	2.14	0.42	
799B-19R-1, 77-81	616.37	1.92	1.44	2.72	47.1	25.2	0.89	1.89	0.34	
799B-19R-3, 80-84	619.40	1.85	1.32	2.71	51.3	28.4	1.05	2.05	0.40	
799B-19R-5, 55-59	622.15	1.88	1.39	2.69	48.3	26.3	0.93	1.93	0.36	
799B-20R-1, 83-86	626.03	1.86	1.35	2.69	50.0	27.5	1.00	2.00	0.38	
799B-20R-3, 96-100	629.16	1.93	1.44	2.78	48.2	25.6	0.93	1.93	0.34	
799B-20R-5, 108-112	632.28	1.88	1.38	2.72	49.1	26.7	0.96	1.96	0.36	
799B-21R-2, 61-65	637.01	1.77	1.20	2.69	55.2	32.0	1.23	2.23	0.47	
799B-21R-3, 80-84	638.70	1.94	1.44	2.82	49.1	25.9	0.96	1.96	0.35	
799B-22R-1, 6-9	644.66	1.79	1.24	2.67	53.6	30.7	1.15	2.15	0.44	
799B-23R-2, 50-55	656.20	1.85	1.30	2.77	53.0	29.4	1.13	2.13	0.42	
799B-24R-1, 10-15	663.90	1.92	1.42	2.76	48.7	26.1	0.95	1.95	0.35	
799B-24R-3, 10-15	666.90	1.88	1.36	2.75	50.5	27.6	1.02	2.02	0.38	
799B-25R-1, 60-65	674.10	1.85	1.35	2.65	48.8	27.0	0.95	1.95	0.37	
799B-25R-3, 90-95	677.40	1.91	1.43	2.69	46.7	25.0	0.88	1.88	0.33	
799B-26R-1, 120-125	684.40	1.75	1.17	2.72	57.0	33.3	1.33	2.33	0.50	
799B-27R-1, 108-112	693.58	1.99	1.54	2.73	43.6	22.5	0.77	1.77	0.29	
799B-27R-3, 112-117	696.62	1.97	1.48	2.84	48.0	25.0	0.92	1.92	0.33	
799B-27R-5, 21-25	698.71	1.88	1.38	2.72	49.3	26.8	0.97	1.97	0.37	
799B-28R-1, 40-45	702.50	1.98	1.52	2.76	44.9	23.2	0.82	1.82	0.30	
799B-28R-3, 40-45	705.50	1.97	1.51	2.71	44.3	23.1	0.79	1.79	0.30	
799B-28R-5, 40-45	708.50	1.99	1.54	2.74	44.0	22.7	0.79	1.79	0.29	
799B-29R-2, 100-105	714.30	1.94	1.48	2.71	45.3	23.9	0.83	1.83	0.31	
799B-29R-4, 75-80	717.05	1.91	1.44	2.69	46.6	25.0	0.87	1.87	0.33	
799B-29R-6, 70-75	720.00	1.95	1.48	2.72	45.8	24.1	0.84	1.84	0.32	

Table 3 (continued).

Core, section, interval	Depth (mbsf)	Densities (g/cm <sup>3</sup> )			φ(%)	w(%)	Water ratio	e	ν
		Wet bulk	Dry bulk	Grain					
799B-30R-1, 85-87	722.25	1.98	1.55	2.70	42.7	22.0	0.75	1.75	0.28
799B-31R-1, 9-11	730.89	2.62	2.50	2.84	12.2	4.8	0.14	1.14	0.05
799B-32R-1, 59-61	741.09	2.16	1.88	2.60	27.8	13.2	0.39	1.39	0.15
799B-33R-1, 69-72	750.89	2.04	1.67	2.63	36.5	18.3	0.57	1.57	0.22
799B-34R-1, 14-18	759.94	1.92	1.46	2.63	44.4	23.8	0.80	1.80	0.31
799B-35R-2, 42-44	771.42	1.95	1.52	2.61	41.9	22.1	0.72	1.72	0.28
799B-36R-1, 137-141	780.57	2.17	1.88	2.63	28.6	13.5	0.40	1.40	0.16
799B-37R-1, 55-57	789.45	2.17	1.90	2.58	26.3	12.4	0.36	1.36	0.14
799B-38R-1, 65-67	799.15	1.98	1.57	2.61	40.0	20.7	0.67	1.67	0.26
799B-39R-1, 103-105	809.13	2.09	1.74	2.66	34.7	17.0	0.53	1.53	0.20
799B-40R-1, 4-6	817.84	1.99	1.61	2.58	37.8	19.4	0.61	1.61	0.24
799B-41R-CC, 15-18	827.86	2.07	1.72	2.63	34.6	17.1	0.53	1.53	0.21
799B-42R-1, 21-23	837.01	2.17	1.84	2.72	32.5	15.4	0.48	1.48	0.18
799B-45R-1, 23-25	866.03	2.06	1.68	2.68	37.5	18.6	0.60	1.60	0.23
799B-46R-1, 34-36	875.64	2.12	1.78	2.65	32.7	15.8	0.49	1.49	0.19
799B-46R-3, 93-95	879.23	2.00	1.61	2.60	38.0	19.5	0.61	1.61	0.24
799B-47R-1, 136-138	886.36	2.10	1.76	2.63	32.8	16.0	0.49	1.49	0.19
799B-47R-3, 111-113	889.11	2.05	1.69	2.62	35.6	17.8	0.55	1.55	0.22
799B-48R-2, 96-100	897.06	2.11	1.76	2.65	33.4	16.3	0.50	1.50	0.19
799B-49R-1, 48-50	904.68	2.06	1.71	2.61	34.7	17.2	0.53	1.53	0.21
799B-50R-1, 54-58	914.14	2.10	1.77	2.60	31.9	15.6	0.47	1.47	0.18
799B-51R-2, 78-82	925.58	2.06	1.69	2.65	36.1	17.9	0.57	1.57	0.22
799B-51R-5, 20-24	929.50	2.04	1.65	2.66	38.0	19.1	0.61	1.61	0.24
799B-52R-1, 13-16	933.03	2.07	1.71	2.64	35.2	17.4	0.54	1.54	0.21
799B-53R-2, 0-4	944.10	2.12	1.78	2.68	33.5	16.2	0.50	1.50	0.19
799B-54R-1, 19-23	952.39	2.09	1.76	2.60	32.2	15.8	0.48	1.48	0.19
799B-54R-3, 43-45	955.63	2.08	1.72	2.67	35.6	17.5	0.55	1.55	0.21
799B-55R-1, 63-65	962.43	2.08	1.73	2.63	34.3	16.9	0.52	1.52	0.20
799B-56R-2, 4-6	973.04	2.04	1.65	2.64	37.4	18.8	0.60	1.60	0.23
799B-58R-1, 74-76	991.54	2.10	1.76	2.64	33.4	16.3	0.50	1.50	0.19
799B-59R-1, 54-56	1001.04	2.09	1.73	2.68	35.3	17.3	0.54	1.54	0.21
799B-60R-1, 21-23	1010.41	2.10	1.75	2.65	33.8	16.5	0.51	1.51	0.20
799B-60R-3, 65-67	1013.85	2.14	1.84	2.61	29.6	14.1	0.42	1.42	0.16
799B-61R-1, 105-107	1020.85	2.03	1.64	2.63	37.6	19.0	0.60	1.60	0.23
799B-61R-3, 103-105	1023.83	2.15	1.82	2.67	31.8	15.2	0.47	1.47	0.18
799B-61R-5, 43-45	1026.23	2.14	1.80	2.71	33.5	16.0	0.50	1.50	0.19
799B-62R-2, 13-17	1031.13	2.13	1.81	2.64	31.4	15.1	0.46	1.46	0.18
799B-62R-4, 44-48	1034.44	2.17	1.87	2.64	29.2	13.8	0.41	1.41	0.16
799B-63R-1, 119-123	1040.29	2.21	1.91	2.69	29.2	13.6	0.41	1.41	0.16
799B-63R-3, 43-45	1042.53	2.16	1.86	2.63	29.4	14.0	0.42	1.42	0.16
799B-64R-1, 0-4	1048.80	2.48	2.28	2.83	19.2	7.9	0.24	1.24	0.09
799B-65R-1, 83-85	1059.23	2.12	1.83	2.57	28.9	13.9	0.41	1.41	0.16
799B-65R-3, 14-16	1061.54	2.17	1.90	2.59	26.4	12.5	0.36	1.36	0.14
799B-66R-2, 48-50	1069.17	2.16	1.89	2.59	27.2	12.9	0.37	1.37	0.15
799B-67R-1, 145-147	1079.15	2.12	1.81	2.59	30.2	14.6	0.43	1.43	0.17
799B-67R-3, 9-11	1080.79	2.17	1.88	2.62	28.3	13.4	0.40	1.40	0.15