53. GRAIN-SIZE ANALYSES, LEG 34

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Sand-silt-clay distribution was determined on 10-cc sediment samples collected at the time the cores were split and described. For detailed step-by-step procedures, see Volume 4 of the Initial Reports of the Deep Sea Drilling Project (Bode, Gerard, et al., 1970). The grain-size analyses results for Leg 34 are listed in Table 1.

The reproducibility of the grain-size analyses has been previously tested (Boyce, 1972), and it was found that over a period of time with several operators the reproducibility for the sand-silt-clay fractions is $\pm 2.5\%$ (absolute).

REFERENCES

- Bode, R.G., Gerard, R.D., et al., 1970. Initial Reports of the Deep Sea Drilling Project, Volume 4: Washington (U.S. Government Printing Office).
- Boyce, R.E., 1972. Grain size analyses, Leg 9, Deep Sea Drilling Project. In Hays, J.D., et al., Initial Reports of the Deep Sea Drilling Project, Volume 9: Washington (U.S. Government Printing Office), p. 745.

TABLE 1
Grain-Size Determination, Leg 34

Sample (Interval in cm)	Depth (m)	Sand (%)	Silt (%)	Clay (%)	Classification
Hole 314					
1-1, 59	0.84	0.1	31.9	67.9	Silty clay
1-2, 89	2.64	0.0	25.2	74.7	Silty clay
1-3, 59	3.84	0.0	37.4	62.6	Silty clay
1-4, 59	5.34	0.4	45.0	54.6	Silty clay
1-5, 89	7.14	0.7	35.9	63.4	Silty clay
1-6, 38	8.13	0.0	32.2	67.8	Silty clay
2-1, 79	10.29	0.5	36.7	62.8	Silty clay
2-2, 127	12.27	0.7	42.0	57.3	Silty clay
2-3, 38	12.88	1.4	37.1	61.6	Silty clay
2-4, 78	14.78	0.5	43.0	56.5	Silty clay
3-2, 47	20.97	1.0	37.5	61.5	Silty clay
3-3, 62	22.62	0.7	28.2	71.2	Silty clay
4-1, 58	29.28	0.5	41.7	57.8	Silty clay
4-2, 58	30.78	0.5	39.2	60.2	Silty clay
4-3, 8	31.78	0.6	42.8	56.6	Silty clay
4-4, 18	33.38	0.3	47.8	51.9	Silty clay
4-5, 8	34.78	0.2	43.9	55.9	Silty clay
4-6, 38	36.58	0.4	37.4	62.2	Silty clay
5-2, 83	40.33	0.6	44.6	54.8	Silty clay
5-3, 25	41.25	3.0	46.9	50.1	Silty clay
5-4, 34	42.84	9.4	45.7	44.9	Clayey silt
5-5, 38	44.38	0.6	39.3	60.1	Silty clay
5-6, 36	45.86	0.5	44.6	55.0	Silty clay
6-1, 119	48.69	5.0	46.1	48.8	Silty clay
6-4, 26	52.26	0.5	44.3	55.2	Silty clay
7-1, 79	57.99	1.2	35.1	63.8	Silty clay
7-3, 140	61.60	1.2	38.5	60.3	Silty clay
7-4, 139	63.09	1.9	39.3	58.8	Silty clay
7-5, 135	64.55	1.7	38.7	59.6	Silty clay
7-6, 33	65.03	1.2	38.5	60.4	Silty clay
8-1, 73	67.23	4.5	43.4	52.1	Silty clay
8-2, 75	68.75	1.3	59.1	39.6	Clayey silt

TABLE 1 - Continued

Sample (Interval in cm)	Depth (m)	Sand (%)	Silt (%)	Clay (%)	Classification
8-4, 130	72.30	1.9	57.9	40.1	Clayey silt
8-5, 141	73.91	0.2	54.6	45.2	Clayey silt
8-6, 90	74.90	1.6	52.8	45.6	Clayey silt
9-1, 138	77.38	0.2	59.6	40.2	Clayey silt
9-2, 133	78.83	0.2	59.2	40.7	Clayey silt
9-3, 88	79.88	0.8	57.1	42.1	Clayey silt
10-1, 100	86.50	2.4	56.4	41.2	Clayey silt
10-2, 66	87.66	1.7	59.1	39.2	Clayey silt
10-3, 65	89.15	2.9	55.4	41.7	Clayey silt
10-4, 115	91.15	0.8	85.1	14.1	Silt
10-5, 115	92.65	0.2	58.5	41.3	Clayey silt
11-1, 98	96.18	0.3	57.6	42.1	Clayey silt
11-2, 41	97.11	0.2	59.2	40.7	Clayey silt
11-3, 110	99.30	0.2	47.3	52.5	Silty clay
11-4, 120	100.90	0.4	51.7	47.8	Clayey silt
11-5, 106	102.26	1.4	62.3	36.3	Clayey silt
11-6, 106	103.76	1.1	58.4	40.6	Clayey silt
12-1, 130	105.80	1.7	57.4	41.0	Clayey silt
12-2, 60	106.60	1.3	57.4	41.3	Clayey silt
12-3, 50	108.00	2.2	60.3	37.4	Clayey silt
Hole 320					
1-1, 72	7.02	0.3	15.6	84.1	Clay
1-2, 60	8.40	2.6	32.8	64.5	Silty clay
1-3, 142	10.72	0.4	43.2	56.5	Silty clay
1-4, 30	11.10	0.2	14.1	85.7	Clay
1-5, 60	12.90	0.5	16.1	83.4	Clay
1-6, 18	13.98	0.3	16.2	83.6	Clay
2-1, 120	74.70	0.2	48.4	51.4	Silty clay
2-2, 118	76.18	0.3	41.3	58.4	Silty clay
3-1, 128	103.78	3.0	42.0	55.0	Silty clay
3-2, 97	104.97	0.4	48.5	51.2	Silty clay
3-3, 90	106.40	1.6	46.9	51.6	Silty clay
3-4, 93	107.93	1.4	53.0	45.7	Clayey silt
3-5, 67	109.17	2.6	49.7	47.7	Clayey silt
3-6, 84	110.84	0.2	49.2	50.6	Silty clay
Hole 320A					
1-1, 100	1.00	0.3	21.3	78.4	Clay
1-2, 119	2.69	0.4	14.4	85.2	Clay
1-3, 82	3.82	0.2	15.0	84.7	Clay
1-4, 114	5.64	0.4	15.5	84.1	Clay
Hole 320B					
1-1, 30	136.60	0.3	36.6	63.1	Silty clay
1-2, 75	138.55	0.1	38.2	61.6	Silty clay
1-3, 94	140.24	2.6	42.5	54.9	Silty clay
1-4, 60	141.40	2.1	42.6	55.2	Silty clay
1-5, 110	143.40	0.3	37.6	62.1	Silty clay
1-6, 110	144.90	0.5	40.8	58.7	Silty clay
2-1, 129	146.79	0.8	39.9	59.3	Silty clay
2-3, 30	148.80	0.6	46.5	52.9	Silty clay
2-4, 70	150.70	5.3	48.6	46.1	Clayey silt
2-5, 8	151.58	5.1	40.8	54.1	Silty clay
Hole 321					
1-1, 58	0.58	0.7	16.9	82.4	Clay
2-1, 50	2.00	1.4	18.8	79.8	Clay

TABLE 1 – *Continued*

Sample (Interval in cm)	Depth (m)	Sand (%)	Silt (%)	Clay (%)	Classification
2-2, 20	3.20	0.3	19.2	80.5	Clay
2-3, 18	4.68	0.3	26.4	73.3	Silty clay
2-4, 28	6.28	0.8	30.7	68.5	Silty clay
3-1, 96	11.96	0.3	23.7	76.1	Clay
3-2, 20	12.70	0.4	28.4	71.2	Silty clay
3-3, 20	14.20	0.3	20.8	78.9	Clay
3-4, 20	15.70	0.1	16.5	83.4	Clay
3-5, 20	17.20	0.2	19.1	80.7	Clay
3-6, 28	18.78	0.3	19.2	80.5	Clay
4-2, 40	22.40	1.0	30.1	69.0	Silty clay
4-3, 12	23.62	0.4	25.7	73.9	Silty clay
4-4, 18	25.18	0.3	26.0	73.7	Silty clay
5-2, 30	31.80	1.9	36.2	61.8	Silty clay
5-3, 0	33.00	0.3	26.5	73.2	Silty clay
5-4, 12	34.62	0.1	36.1	63.8	Silty clay
5-5, 18	36.18	0.4	43.2	56.4	Silty clay
5-6, 33	37.83	3.6	65.5	30.8	Clayey silt
6-2, 128	42.28	1.4	49.6	49.0	Clayey silt
6-3, 12	42.62	1.9	56.0	42.1	Clayey silt
6-4, 14	44.14	1.7	54.9	43.4	Clayey silt
6-5, 113	46.63	0.2	36.0	63.8	Silty clay
6-6, 16	47.16	0.2	36.6	63.2	Silty clay
7-2, 41	50.91	0.1	23.2	76.7	Clay
7-3, 13	52.13	0.1	23.7	76.3	Clay
7-4, 17	53.67	0.0	32.8	67.2	Silty clay

TABLE 1 – *Continued*

Sample (Interval in cm)	Depth (m)	Sand (%)	Silt (%)	Clay (%)	Classification
7-5, 7	55.07	0.1	32.1	67.9	Silty clay
7-6, 12	56.62	0.0	29.8	70.2	Silty clay
8-1, 19	58.69	0.0	59.6	40.4	Clayey silt
8-2, 20	60.20	0.0	57.5	42.5	Clayey silt
8-3, 34	61.84	0.0	58.1	41.8	Clayey silt
8-4, 17	63.17	0.0	55.5	44.5	Clayey silt
8-5, 123	65.73	0.0	57.2	42.7	Clayey silt
8-6, 21	66.21	0.0	57.8	42.2	Clayey silt
9-1, 69	68.89	0.1	39.5	60.3	Silty clay
9-2, 94	70.64	0.1	46.2	53.8	Silty clay
9-3, 52	71.72	0.1	39.6	60.3	Silty clay
9-4, 85	73.55	0.0	33.0	67.0	Silty clay
9-5, 7	74.27	0.0	42.3	57.6	Silty clay
9-6, 43	76.13	0.1	27.9	72.0	Silty clay
10-1, 93	78.43	0.1	46.0	53.9	Silty clay
10-2, 22	79.22	0.0	48.3	51.6	Silty clay
10-3, 20	80.70	0.1	49.6	50.3	Silty clay
11-1, 54	87.54	0.1	54.9	45.0	Clayey silt
11-2, 20	88.70	0.1	52.0	47.9	Clayey silt
11-3, 20	90.20	0.3	54.1	45.6	Clayey silt
11-4, 18	91.68	0.1	51.7	48.2	Clayey silt
13-1, 90	116.40	0.1	70.9	29.1	Clayey silt
13-2, 20	117.20	0.0	70.5	29.5	Clayey silt
13-3, 16	118.66	0.1	69.9	30.0	Clayey silt