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CORE DESCRIPTIONS, GRAIN SIZE, AND CARBON ANALYSES DATA OF CORES COLLECTED ON CRUISES F5-87-SC, F1-88-SC AND F3-89-SC FROM THE MONTEREY FAN, OFF CENTRAL CALIFORNIA

by

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INTRODUCTION

The Branch of Pacific Marine Geology conducted three cruises to the distal lobe of the Monterey Fan to collect cores, bottom photography, and high-resolution seismic profiles in order to understand the factors that determine the backscatter intensity of GLORIA sidescan sonar in this area. The region lies approximately 350 km west of Point Conception, California, and is at water depths of 4400 to 4500 m (Fig. 1). Previous cruises mapped the seafloor with long-range sidescan sonar (EEZ-SCAN 84 Scientific Staff, 1986) and this region was determined to be a prime ground-truth area because it is very flat, has well-defined variations in backscatter intensity, and accordingly should have contrasting sediment lithologies. Cruises F5-87, F1-88, and F3-89 were all conducted aboard the R.V. FARNELLA using Loran C rho-rho and GPS navigation. In addition, the cores from F5-87 and F1-88 were navigated using four bottom transponders. The location accuracy for all the cores is at least ± 100 m. Cores were collected using gravity, piston, and box corers. The location and depth of each core is given in Figures 1 and 2 and listed in Table 1.

This report is the first of a series of data reports that will present all of the primary and analytical data produced by this ground-truth study. This report provides sediment descriptions and grain-size data for each core, shows organic-carbon data from selected cores, and presents the results of AMS ^{14}C dating.

METHODS AND RESULTS

The gravity and piston cores were split longitudinally, described, and sampled aboard ship. Box cores were sampled before the face-plate of the corer was removed by inserting gravity core liners into the top of the core (s/s subcore), or by taking a slab from the face of the core after the face-plate was removed. These samples were described and sub-sampled aboard ship. Textural and geochemical sub-samples were placed in sealed containers and stored in a refrigerator to prevent loss of moisture and to minimize growth of organic material. Once ashore, grain-size samples were treated with 10 ml of 30% H_2O_2 and 50 ml of distilled H_2O, and allowed to digest for 24 hr to oxidize organic matter. If digestion did not go to completion, more H_2O_2 was added to the samples and they were allowed to stand until oxidation stopped. The oxidation process also disaggregated the samples. After oxidation, the samples were gently boiled for 8 hr to remove excess H_2O_2, and washed with distilled

water to remove soluble salts. The washed samples were passed through a 200-μm sieve to remove the gravel fraction. All grains larger than 200 μm were dried, weighed, and set aside for petrologic studies. The remaining sample was passed through a 63-μm sieve in order to remove the sand fraction. Grains <200 μm and >63 μm were dried, weighed, and analyzed using a 2-m-long Rapid Sediment Analyzer (RSA) (Thiede, et al., 1976). Grains <63 μm were washed into a 1000-ml graduated cylinder where 5 ml of sodium hexa-metaphosphate was added to each cylinder to prevent flocculation, and then filled to 1000 ml with distilled H_2O, stirred, and allowed to stand for 24 hr prior to analysis. The <63-μm samples were analyzed by hydrophotometer (Jordan, et al. 1971; Jordan, 1977). Replicate analyses indicate that the precision of the RSA is ± 5% and the precision of the hydrophotometer ±10%.

All grain-size data (dry-weight percents) were evaluated using the method of Folk (1966). The weight percent for each 0.5 phi grain-size interval is given in Table 2. Graphs for mean grain-size (phi) vs. depth are shown in Figure 3. Graphs of gravel/sand/silt/clay weight percent vs. depth are shown in Figure 4. Core descriptions are shown in Figure 5. The sediments were classified using a sand/silt/clay ternary diagram after Trefethen (1950) (Figure 6). Graphs of depth vs. grain-size are shown with core descriptions in Figure 7.

Samples were analyzed for organic carbon by a Coulometrics, Inc. coulometer. Using titration analysis, this procedure measures the carbon as CO_2 evolved from acidification or combustion of the sample. Total carbon was determined by combusting the sample at a high temperature in an oxygen atmosphere, oxidizing all carbon to CO_2. Inorganic carbon was determined by acidifying the sample, converting all carbonate to CO_2. Subtracting the inorganic carbon from the total carbon yields a quantitative determination for organic carbon (see Table 3). This technique has been tested against the more conventional Leco technique and is found to be more precise and accurate. Inorganic and total carbon analyzed by Coulometric techniques have a precision and accuracy both better than +/-1% (Huffman, 1977). Graphs of depth vs. percent organic carbon are shown in Figure 8.

Fourteen sub-samples of finely disseminated organic material were washed in distilled water, air dried and sent to Beta Analytical Labs for accelerator mass spectrometer (AMS) ^{14}C age dating. The ages for these sub-samples are in Table 4.

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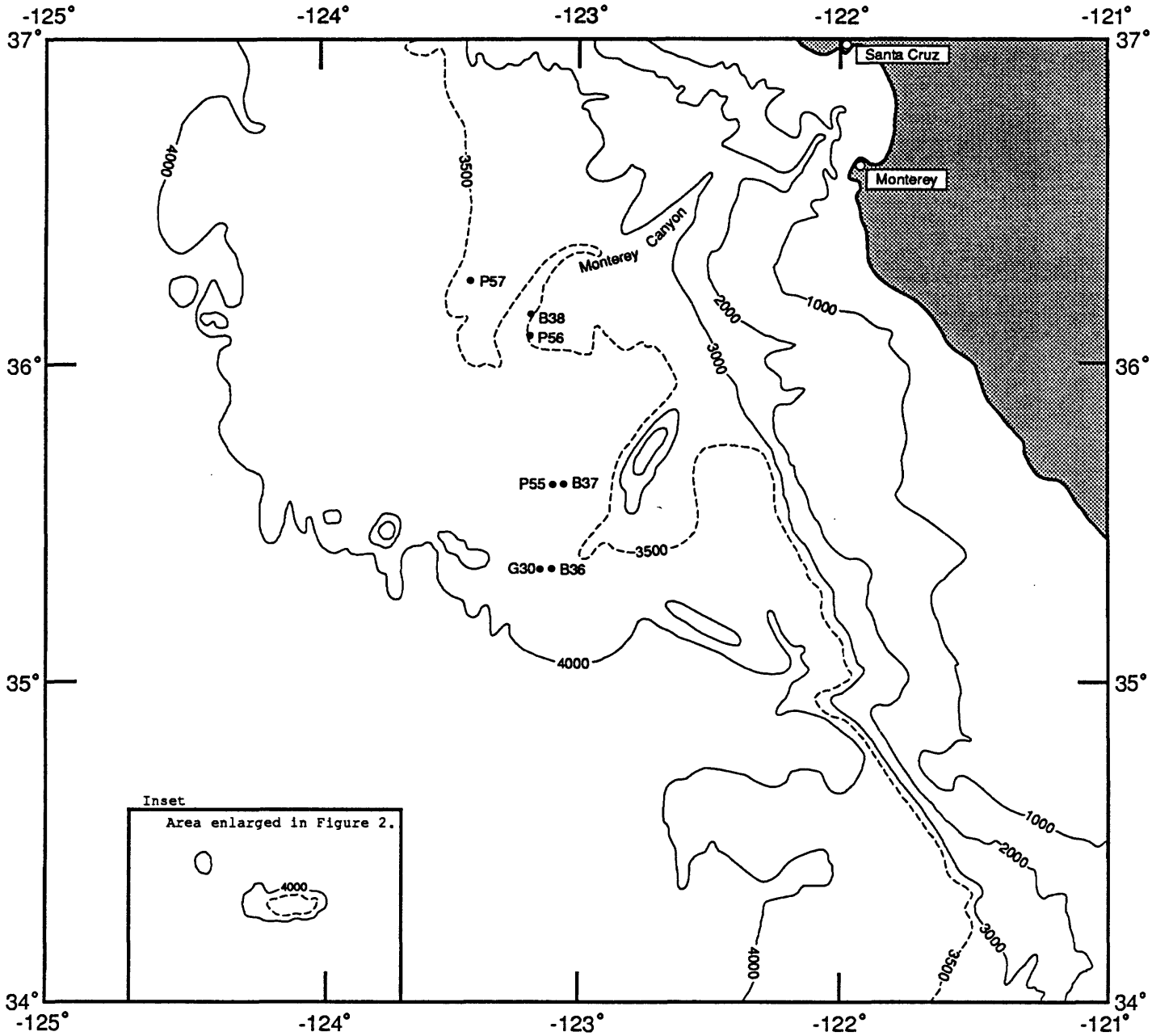


Bathymetric contours in meters.
Interval is 1000 meters except where 500 meter contour is dashed for detail.

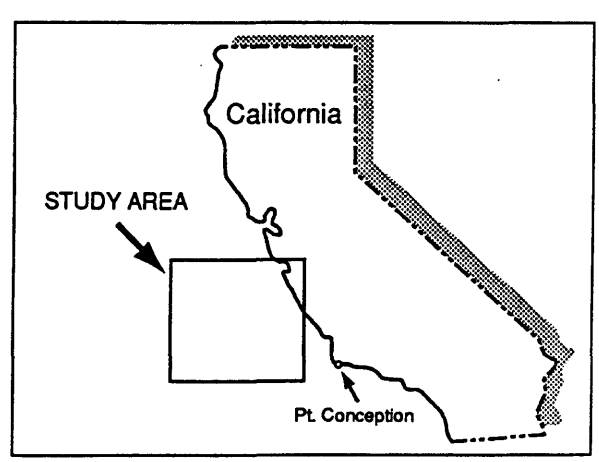


Figure 1. Ground-truth core locations. Mercator projection. Solid circle with identifier is core location; P is piston core, B is box core, G is gravity core. (Modified from Chase et al., 1981).

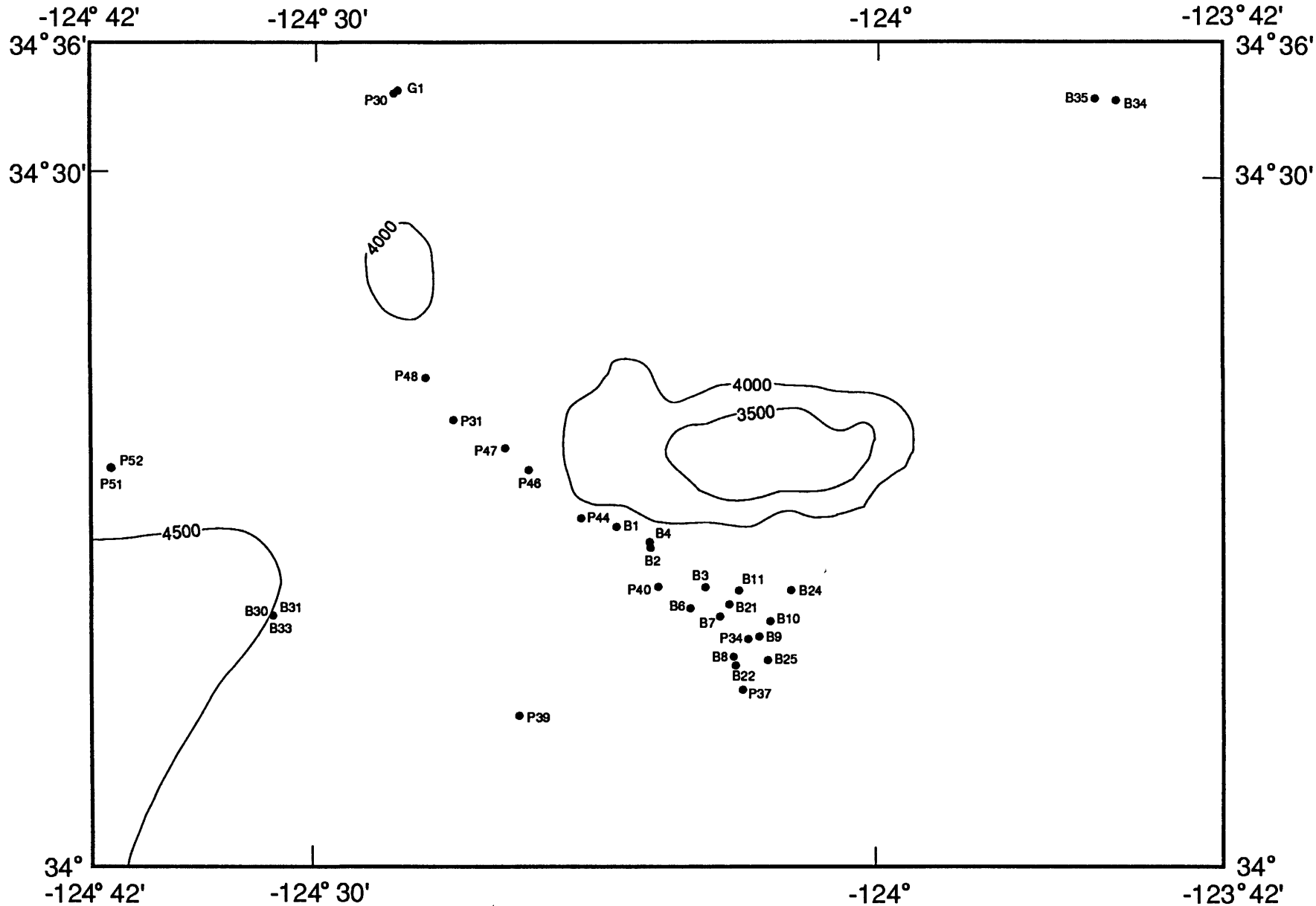


Figure 2. Area shown in inset on Figure 1. Solid circle with identifier is core location; P is piston core, B is box core, G is gravity core.

Bathymetric contours in meters.

Interval is 500 meters.

Table 1. Core locations and water depths. Depths corrected using Carter, 1980.

Cruise	Core	Lat (+)	Lon (-)	Corrected Water Depth (m)	Length of Recovery (m)
F5-87-SC	G1	34 33.69	124 25.60	3973	3.76
F5-87-SC	B1	34 14.72	124 13.76	4445	0.60
F5-87-SC	B2	34 13.84	124 11.96	4442	0.42
F5-87-SC	B3	34 12.13	124 09.08	4440	0.60
F5-87-SC	B4	34 14.10	124 12.11	4445	0.49
F5-87-SC	B6	34 11.17	124 09.87	4440	0.28
F5-87-SC	B7	34 10.86	124 08.29	4435	0.54
F5-87-SC	B8	34 09.06	124 07.54	4435	0.50
F5-87-SC	B9	34 10.02	124 06.20	4430	0.42
F5-87-SC	B10	34 10.71	124 05.66	4440	0.30
F5-87-SC	B11	34 12.01	124 07.40	4433	0.40
Cruise	Core	Lat (+)	Lon (-)	Corrected Water Depth (m)	Length of Recovery (m)
F1-88-SC	B21	34 11.34	124 07.83	3562	0.49
F1-88-SC	B22	34 08.67	124 07.41	4441	0.32
F1-88-SC	B24	34 12.05	124 04.55	4364	0.23
F1-88-SC	B25	34 08.92	124 05.75	4377	0.41
Cruise	Core	Lat (+)	Lon (-)	Corrected Water Depth (m)	Length of Recovery (m)
F3-89-SC	P30	34 33.57	124 25.79	4396	4.58
F3-89-SC	P31	34 19.30	124 22.53	4452	5.11
F3-89-SC	P32	34 13.00	124 19.76	4462	1.00
F3-89-SC	P33	34 10.68	124 06.15	4434	CC
F3-89-SC	P34	34 09.85	124 06.84	4440	0.75
F3-89-SC	P35	34 08.30	124 06.74	4439	CC
F3-89-SC	P37	34 07.60	124 07.09	4443	0.74
F3-89-SC	P38	34 05.69	124 02.16	4378	2.69
F3-89-SC	P39	34 06.51	124 19.10	4470	2.38
F3-89-SC	P40	34 12.17	124 11.58	4447	2.74
F3-89-SC	P42	34 14.51	124 14.68	4455	CC
F3-89-SC	P43	34 15.10	124 15.80	4450	CC
F3-89-SC	P44	34 15.18	124 15.76	4451	1.65
F3-89-SC	P46	34 17.20	124 18.54	4444	2.15
F3-89-SC	P47	34 18.12	124 19.79	4446	1.92
F3-89-SC	P48	34 21.19	124 24.12	4445	2.62
F3-89-SC	P49	34 10.76	124 32.13	4495	CC
F3-89-SC	P50	34 10.78	124 32.11	4496	CC
F3-89-SC	P51	34 17.12	124 40.78	4483	4.01
F3-89-SC	P52	34 17.17	124 40.75	4484	1.50
F3-89-SC	P55	35 37.50	123 06.52	3784	3.49
F3-89-SC	P56	36 05.53	123 12.73	3474	2.06
F3-89-SC	P57	36 16.39	123 25.30	3506	1.49
F3-89-SC	B30	34 10.73	124 32.13	4496	0.54
F3-89-SC	B33	34 10.73	124 32.05	4496	0.64
F3-89-SC	B34	34 33.46	123 47.43	4331	0.55
F3-89-SC	B35	34 33.48	123 48.60	4284	0.55
F3-89-SC	B36	35 21.80	123 07.32	3921	0.23
F3-89-SC	B37	35 37.47	123 03.98	3820	0.36
F3-89-SC	B38	36 09.02	123 12.22	3631	0.27
F3-89-SC	G30	35 21.81	123 09.24	3871	1.85

CC = core catcher only

Table 2. F5-87-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F5-87-B1	0	0	0	0	0	0	0	0	0	0	0	2.8	3	1.4	7.09	8.01	16.56
F5-87-B1	10	0	0	0	0	0	0	0	0	0	0	1.13	2.53	2.37	1.31	5.1	16.69
F5-87-B1	20	0	0	0	0	0	0	0	0	0	0	1.27	3.15	2.55	0.51	0.78	0.2
F5-87-B1	30	0	0	0	0	0	0	0	0	0	0	4	1.59	1	0.86	0.52	3.5
F5-87-B1	40	4.13	0	0	1.19	5.93	15.82	17.41	15.03	14.24	4.75	4.73	4.79	3.83	2.19	1.29	1.03
F5-87-B1	50	1.46	0	0	0.88	5.71	11.85	22.39	22.83	17.12	4.39	2.63	3.51	2.45	1.05	1.07	0.49
F5-87-B2	0	0	0	0	0	0	0	0	0	0	0	3.86	2.74	2.11	0.76	0.64	11.27
F5-87-B2	3	0	0	0	0	0	0	0	0	0	0	4.94	0.78	1.82	0.84	9.4	9.58
F5-87-B2	13	0	0	0	0	0	0	0	0	0	0	4.66	2.38	1.7	0.79	0.73	2.06
F5-87-B3	0	0	0	0	0	0	0	0	0	0	0	10.65	2.79	1.38	1.37	7.24	11.36
F5-87-B3	12	0	0	0	0	0.63	1.46	7.95	13.81	11.72	3.98	2.93	1.78	3.96	5.14	3.02	7.83
F5-87-B3	20	0	0	0	0	3.75	12.18	19.68	23.43	21.08	7.96	5.25	2.17	1.14	0.66	0.64	0.44
F5-87-B3	30	0	0	0	0.91	4.57	10.96	18.27	21.01	21.01	6.85	6.9	2.61	1.47	0.97	0.93	0.72
F5-87-B3	40	0	0	0.92	1.38	4.15	12.92	19.39	23.08	20.77	6.92	2.83	0.1	0.05	0.55	0.88	1.03
F5-87-B3	51	0	0	0	0	0	0	0	0	0	0	2.6	15.24	14.68	21.39	20.03	10.01
F5-87-B4	0	0	0	0	0	0	0	0	0	0	0	5.39	2.36	0.73	0.61	8.67	6.49
F5-87-B4	10	0	0	0	0	0	0	0	0.56	2.07	6.77	24.75	28.15	14.62	6.59	2.27	2.04
F5-87-B4	20	0	0	0	0	0	0	0	0	0	0	4.66	1.03	3.14	1.24	0	0.36
F5-87-B4	30	0	0	0	0	0	0	0	0	0	0	4.27	4.54	1.98	0.39	0.59	0.61
F5-87-B4	45	0	0	0	0	0	0	0	0	0	0	2.04	2.77	0.41	1.28	0.31	7.06
F5-87-B4	50	0	0	0	0	0	0	0	0	0	0	2.51	3.13	2.57	0.48	0.53	3.11
F5-87-B4	60	0	0	0	0	0	0	0	0	0	0	2.09	1.24	1.44	1.04	0.26	9.59
F5-87-B6	0	0	0.93	1.4	1.17	2.1	1.4	1.17	2.57	6.54	12.15	11.92	25.52	16.8	6.84	3.71	1.44
F5-87-B6	6	0	0	0	0	0	0.12	0.24	1.09	1.69	3.38	28.21	13.97	14.51	13.86	6.52	3.65
F5-87-B6	18	0	0	0	0	0	2.15	7.67	11.66	10.43	10.43	19.37	21.88	8.14	4.1	1.93	0.61
F5-87-B6	26	0	0	0.95	4.75	11.41	20.92	20.92	19.97	9.98	3.33	2.38	1.69	1.3	0.52	0.31	0.22
F5-87-B7	0	0	0	0	0	0	0.45	0.45	0.67	4.03	8.51	8.75	2.29	8.25	10.6	12.11	10.08
F5-87-B7	11	0	0	0	0	0	0	0	0	0	0	16.84	22.85	18.35	11.98	8.76	5.89
F5-87-B7	17	0	0	0	0	0	0	0	0	0.14	0.55	9.38	30.87	29.88	16.3	7.44	2.57
F5-87-B7	23	0	0	0	0	0	0	0	0	0	0	4.22	2.99	2.48	0.24	1.92	13.29
F5-87-B7	35	0	0	0	0	0	0	0	0	0	0	7.36	17.94	5.86	9.17	6.19	6.03
F5-87-B7	49	0.69	0	0	0.29	0.59	2.35	4.41	6.62	7.79	4.26	3.42	2.48	1.5	0.7	6.97	8.26
F5-87-B7	58	0	0	0	0	0	0	0	0	0	0	3.91	1.04	2.82	0.75	0.8	0.89
F5-87-B8	0	0	0	0	0	0	0	0	0	0	0	4.12	1.29	1.41	4.64	0.81	9.8
F5-87-B8	10	0	0	0	0	0	0	0	0.4	2.61	6.61	9.02	2.81	0.96	7.86	6.71	8.28
F5-87-B8	20	0	0	0	0	0	0	1.65	4.41	13.79	18.75	13.85	19.97	13.64	7.1	3.27	1.44
F5-87-B8	30	0	0	0	0	0.92	1.85	8.32	19.42	31.91	18.5	10.63	0.99	0.93	0.34	0.76	0.94
F5-87-B8	40	0	0	0	0	0.96	9.63	25.05	28.9	22.64	6.26	2.88	0.11	0.04	0.1	0.19	0.43
F5-87-B9	0	0	0	0	0	0	0	0	0	0	0	0.57	3.86	2.09	0.96	0.81	0.24
F5-87-B9	10	0	0	0	0	0	0	0	0	0	0	3.71	2.71	0.63	0.13	0.51	4.07
F5-87-B9	20	0	0	0	0	0	0	1.1	2.95	5.23	4.64	3.48	4.08	1.56	1.68	0.26	0.47
F5-87-B9	30	0	0	0	0	0	0	1.66	14.07	32.69	23.59	9.04	3.86	1.82	1.91	2.19	2.18
F5-87-B9	40	0	0	0	0	0	3.2	13.28	23.81	34.8	10.99	5.8	1.59	0.64	1.54	1.1	1.12

Table 2 continued. F5-87-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance Std.	Deviation 3rd Moment
F5-87-B1	0	13.44	10.78	10.26	10.47	7.49	8.69	0	2.8	70.55	26.65	97.2	7.17	3.24	1.8 0.79
F5-87-B1	10	12.01	14.57	12.6	11.88	8.78	11.01	0	1.13	67.2	31.67	98.87	7.53	3.14	1.77 0.77
F5-87-B1	20	15.67	19	15.11	14.51	12.1	15.18	0	1.27	56.96	41.77	98.73	8	3.32	1.82 0.41
F5-87-B1	30	15.22	14.56	15.02	16.38	12.05	15.3	0	4	52.27	43.72	96	7.98	3.54	1.88 0.27
F5-87-B1	40	0.7	0.93	0.49	0.57	0.44	0.48	4.13	79.11	15.28	1.49	16.77	2.5	3.26	1.81 1.27
F5-87-B1	50	0.75	0.31	0.41	0.31	0.2	0.18	1.46	87.79	10.06	0.69	10.75	2.38	1.95	1.4 1.68
F5-87-B2	0	10.36	16.19	8.4	13.6	19.61	10.46	0	3.86	52.48	43.67	96.14	7.7	3.34	1.83 0.21
F5-87-B2	3	12.28	14.66	7.87	11.64	13.14	13.03	0	4.94	57.24	37.81	95.06	7.59	3.8	1.95 0.47
F5-87-B2	13	15.41	15.42	14.72	10.18	19.39	12.55	0	4.66	53.22	42.12	95.34	7.84	3.48	1.86 0.15
F5-87-B3	0	12.91	14.75	7.75	7.61	11.35	10.84	0	10.65	59.55	29.8	89.35	7.2	4.32	2.08 0.39
F5-87-B3	12	6.31	6.3	5.3	4.57	6.92	6.4	0	42.48	39.63	17.89	57.52	5.25	8.16	2.86 0.46
F5-87-B3	20	0.48	0.27	0.33	0.15	0.21	0.2	0	93.33	6.11	0.56	6.67	2.46	1.4	1.18 2.42
F5-87-B3	30	0.7	0.47	0.46	0.38	0.43	0.36	0	90.49	8.33	1.17	9.51	2.58	2	1.41 2.25
F5-87-B3	40	1.1	1.21	0.8	0.62	0.81	0.47	0	92.37	5.73	1.9	7.63	2.51	2.57	1.6 2.43
F5-87-B3	51	4.75	2.31	1.89	3.14	1.99	1.96	0	2.6	90.29	7.1	97.4	5.64	1.87	1.37 1.87
F5-87-B4	0	12.2	16.87	9.63	11.13	17.9	8.01	0	5.39	57.56	37.05	94.61	7.47	3.13	1.77 0.23
F5-87-B4	10	2.44	1.81	2.49	1.82	1.69	1.9	0	34.15	60.43	5.42	65.85	4.71	2.48	1.57 2.17
F5-87-B4	20	6.12	21.49	14.21	10.63	23.17	13.94	0	4.66	47.6	47.74	95.34	8.06	3.47	1.86 -0.03
F5-87-B4	30	5.9	20.97	7.94	13.59	24.1	15.15	0	4.27	42.89	52.83	95.73	8.04	3.88	1.97 -0.08
F5-87-B4	45	11.36	18.12	6.83	13.08	21.37	15.38	0	2.04	48.12	49.84	97.96	8.08	3.39	1.84 0.28
F5-87-B4	50	14.26	18.1	10.12	11.33	20.85	13.02	0	2.51	52.29	45.21	97.49	7.92	3.36	1.83 0.21
F5-87-B4	60	11.17	14.85	11.97	13.6	19.31	13.44	0	2.09	51.56	46.35	97.91	7.99	3.08	1.76 0.41
F5-87-B6	0	1.75	0.5	0.62	0.55	0.52	0.39	0	41.37	57.18	1.45	58.63	4	2.38	1.54 -0.02
F5-87-B6	6	4.04	3.09	1.54	1.07	1.82	1.2	0	34.73	61.18	4.09	65.27	4.88	2.18	1.48 1.57
F5-87-B6	18	0.65	0.27	0.24	0.17	0.19	0.13	0	61.71	37.81	0.48	38.29	3.56	1.55	1.25 0.4
F5-87-B6	26	0.21	0.37	0.22	0.22	0.19	0.13	0	94.61	4.85	0.54	5.39	1.94	1.52	1.23 2.19
F5-87-B7	0	6.87	6.57	4.76	4.48	4.46	6.66	0	22.86	61.54	15.6	77.14	5.95	4.94	2.22 0.73
F5-87-B7	11	4.1	2.72	2.95	2.13	0.55	2.9	0	16.84	77.59	5.57	83.16	5.24	2.49	1.58 2.03
F5-87-B7	17	1.55	0.35	0.32	0.19	0.22	0.23	0	10.06	89.29	0.65	89.94	4.78	0.62	0.79 2.37
F5-87-B7	23	10.56	11.21	10.87	11.82	14.12	16.27	0	4.22	53.57	42.21	95.78	7.8	4.3	2.07 0.3
F5-87-B7	35	5.92	8.07	5.54	7.31	10.37	10.24	0	7.36	64.72	27.91	92.64	6.64	5.25	2.29 0.69
F5-87-B7	49	6.05	11.67	6.09	6.53	9.75	9.56	0.69	29.75	43.72	25.84	69.56	6.09	8.67	2.95 -0.02
F5-87-B7	58	13.32	20.89	9.35	12.92	18.72	14.6	0	3.91	49.84	46.25	96.09	8.01	3.53	1.88 0.17
F5-87-B8	0	19.46	12.98	14.1	12.43	9.49	9.48	0	4.12	64.49	31.39	95.88	7.48	3.11	1.76 0.5
F5-87-B8	10	16.68	12.44	5.25	8.22	6.39	5.75	0	18.64	61	20.36	81.36	6.44	4.38	2.09 0.29
F5-87-B8	20	0.66	0.23	0.34	0.32	0.29	0.27	0	52.46	46.66	0.87	47.54	3.94	1.31	1.15 1.37
F5-87-B8	30	1.19	0.93	0.45	0.54	0.88	0.49	0	91.55	6.52	1.92	8.45	3.05	1.89	1.37 2.81
F5-87-B8	40	0.71	0.45	0.64	0.44	0.28	0.28	0	96.33	2.68	0.99	3.67	2.42	1.39	1.18 3.53
F5-87-B9	0	11.69	17.39	13.65	11.82	15.97	20.97	0	0.57	50.68	48.75	99.43	8.28	3.88	1.97 0.26
F5-87-B9	10	12.68	20.41	17.09	8.06	14.14	15.86	0	3.71	58.24	38.06	96.29	7.96	3.64	1.91 0.3
F5-87-B9	20	15.7	17.52	9.4	7.64	8.21	16.07	0	17.41	50.67	31.92	82.59	7.15	7.07	2.66 -0.08
F5-87-B9	30	2.14	1.27	0.97	0.58	1.02	1	0	81.04	16.35	2.62	18.96	3.52	2.49	1.58 2.43
F5-87-B9	40	0.57	0.48	0.3	0.27	0.31	0.22	0	91.88	7.33	0.79	8.12	2.82	1.35	1.16 2.78

Table 2 continued. F5-87-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F5-87-B1	0	3.73	6.92	7.02	1.65	0.12	1.26
F5-87-B1	10	3.62	7.22	7.37	1.59	0.19	1.3
F5-87-B1	20	3.34	7.79	7.85	1.59	0.09	1.85
F5-87-B1	30	3.34	7.82	7.83	1.68	0.03	1.84
F5-87-B1	40	6.54	2.18	2.55	1.62	0.33	1.4
F5-87-B1	50	9.15	2.16	2.24	1.09	0.23	1.72
F5-87-B2	0	3.41	7.64	7.55	1.69	-0.06	1.41
F5-87-B2	3	3.14	7.36	7.31	1.8	0.03	1.43
F5-87-B2	13	3.47	7.69	7.72	1.62	0.02	1.75
F5-87-B3	0	3.01	7.08	7.11	1.93	0.05	1.3
F5-87-B3	12	2.26	5.09	5.2	2.67	0.11	0.65
F5-87-B3	20	14.04	2.31	2.35	0.93	0.16	1.28
F5-87-B3	30	11.33	2.37	2.46	1.15	0.24	1.49
F5-87-B3	40	10.74	2.25	2.25	1.25	0.27	2.15
F5-87-B3	51	8.08	5.4	5.45	1.14	0.25	1.31
F5-87-B4	0	3.65	7.39	7.35	1.63	-0.07	1.31
F5-87-B4	10	8.53	4.31	4.52	1.22	0.46	1.75
F5-87-B4	20	3.56	7.86	7.9	1.58	0.03	2.12
F5-87-B4	30	3.22	8.12	7.98	1.66	-0.14	2.07
F5-87-B4	45	3.2	7.99	7.85	1.62	-0.05	1.64
F5-87-B4	50	3.4	7.79	7.75	1.59	-0.02	1.67
F5-87-B4	60	3.45	7.84	7.72	1.54	-0.01	1.54
F5-87-B6	0	6.34	4.2	4.06	1.34	-0.22	1.65
F5-87-B6	6	7.05	4.56	4.79	1.24	0.38	1.2
F5-87-B6	18	5.88	3.68	3.49	1.11	-0.17	0.92
F5-87-B6	26	12.64	1.78	1.8	0.98	0.15	1.31
F5-87-B7	0	3.46	5.71	5.74	2.12	0.1	1.05
F5-87-B7	11	8.05	4.96	5.12	1.29	0.31	1.03
F5-87-B7	17	17.11	4.63	4.76	0.63	0.27	1.45
F5-87-B7	23	2.73	7.53	7.58	1.89	0.09	1.39
F5-87-B7	35	2.61	6.35	6.45	2.19	0.18	0.77
F5-87-B7	49	2.3	6.48	5.9	2.89	-0.18	0.76
F5-87-B7	58	3.29	7.91	7.84	1.63	-0.02	1.69
F5-87-B8	0	3.8	7.36	7.4	1.55	0.04	1.53
F5-87-B8	10	3.12	6.69	6.23	2.08	-0.22	1.04
F5-87-B8	20	8.61	3.84	3.9	0.99	0.1	0.95
F5-87-B8	30	13.66	2.8	2.85	1.02	0.32	1.99
F5-87-B8	40	20.45	2.24	2.26	0.67	0.1	1.37
F5-87-B9	0	2.7	7.94	8.13	1.85	0.17	1.86
F5-87-B9	10	3.27	7.69	7.78	1.73	0.09	1.89
F5-87-B9	20	2.46	7.24	6.69	2.68	-0.16	1.59
F5-87-B9	30	9.94	3.02	3.31	1.21	0.54	2.16
F5-87-B9	40	14.75	2.57	2.65	0.91	0.31	1.95

Table 2 continued. F5-87-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F5-87-B10	0	0	0	0	0	0	0	0	0	0	0	4.96	2.11	1.05	0.19	0.72	11.57
F5-87-B10	10	0	0	0	0	0	0	0	0.53	4.49	6.61	12.97	6.11	16.47	13.82	12.95	7.64
F5-87-B10	20	0	0	0	0	0	0	4.94	12.84	12.51	10.54	19.19	14.09	13.12	6.38	3.41	1.1
F5-87-B10	30	0	0	0	0	0	0.44	9.33	17.77	21.33	23.99	14.22	2.16	2.06	2.1	1.61	0.93.
F5-87-B11	0	0	0	0	0	0.13	0.89	0.76	1.66	7.78	7.39	9.76	2.19	2.17	11.87	10.73	9.73
F5-87-B11	10	0	0	0	0	0	0	0.8	5.21	43.72	22.06	7.68	7.2	4.12	2.84	1.85	1.1
F5-87-B11	20	0	0	0	0	0.48	3.8	25.2	35.18	20.44	8.08	1.98	1.72	0.69	0.79	0.18	0.34
F5-87-B11	30	0	0	0	0	8.58	15.26	28.6	23.84	14.3	3.81	2.99	1.07	0.81	0.34	0.28	0.16
F5-87-B11	40	0	0	0	0	5.75	12.45	22.03	22.03	22.03	7.19	3.66	2.45	0.59	0.47	0.22	0.21
F5-87-GC1	10	0	0	0	0	0	0	0	0	0	0	3.41	1.63	2.16	0.62	0.27	10.17
F5-87-GC1	20	0	0	0	0	0	0	0	0	0	0	5.48	3.19	2.03	0.2	7.72	13.34
F5-87-GC1	30	0	0	0	0	0	0	0	0	0	0	4.55	2.09	2.57	24.7	13.35	7.67
F5-87-GC1	40	0	0	0	0	0	0	0	0	0	0	20.84	2.78	11.78	14.19	11.74	7.65
F5-87-GC1	50	0	0	0	0	0	0	0	0	0	0	3.37	4.77	1.23	0.53	5.24	12.78
F5-87-GC1	60	0	0	0	0	0	0	0	0	0	0	2.04	1.09	1.89	5.78	7.48	10.49
F5-87-GC1	70	0	0	0	0	0	0	0	0	0	0	2.52	4.83	1.12	0.81	0.35	6.99
F5-87-GC1	80	0	0	0	0	0	0	0	0	0	0	0.91	2.76	1.93	1.49	0.9	8.23
F5-87-GC1	90	0	0	0	0	0	0	0	0	0	0	5.7	14.19	21.19	12.27	8.88	5.55
F5-87-GC1	100	0	0	0	0	0	0	0	0	0	0	5.61	4.69	1.87	1.44	0.85	9.22
F5-87-GC1	110	0	0	0	0	0	0	0	0	0	0	2.37	3.71	1.7	0.38	0.88	10.74
F5-87-GC1	120	0	0	0	0	0	0	0	0	0	0	2.49	3.36	2.35	1.24	0.62	0.8
F5-87-GC1	130	0	0	0	0	0	0	0	0	0	0	0.51	4.52	1.89	1.07	0.53	10.16
F5-87-GC1	140	0	0	0	0	0	0	0	0	0	0	1.92	1.07	0.33	0.81	11.13	16.34
F5-87-GC1	150	0	0	0	0	0	0	0	0	0.41	1.5	20.1	32.05	28.06	8.53	4.19	1.59
F5-87-GC1	160	0	0	0	0	0	0	0	0	0	0	1.48	4.93	2.36	1.36	11.44	11.63
F5-87-GC1	170	0	0	0	0	0	0	0	0	0	0	1.48	3.09	2.22	0.81	4.59	13.27
F5-87-GC1	180	0	0	0	0	0	0	0	0	0	0	1.68	4.87	2.38	1.09	0.62	0.43
F5-87-GC1	190	0	0	0	0	0	0	0	0	0	0	7.25	11	1.21	12.04	12.57	9.52
F5-87-GC1	202	0	0	0	0	0	0	0	0	0	0	2.74	2.34	4.16	17.64	10.68	8.41
F5-87-GC1	210	0	0	0	0	0	0	0	0	0	0	3.03	3.49	1.75	7.75	7.96	8.93
F5-87-GC1	220	0	0	0	0	0	0	0	0	0	0	18.45	3.75	7.81	21.06	14.55	10.48
F5-87-GC1	235	0	0	0	0	0	0	0	0	0	0	1.35	2.74	2.58	1.13	6.75	13.21
F5-87-GC1	240	0	0	0	0	0	0	0	0	0	0	1.54	1.67	0.64	1.28	0.56	9.25
F5-87-GC1	250	0	0	0	0	0	0	0	0	0	0	1.61	4.84	1.8	0.41	2.1	4.72
F5-87-GC1	260	0	0	0	0	0	0	0	0	0	0	1.08	1.62	1.74	0.18	10.31	15.45
F5-87-GC1	270	0	0	0	0	0	0	0	0	0	0	0	2.95	0.87	1.47	0.91	0.93
F5-87-GC1	280	0	0	0	0	0	0	0	0	0	0	3.25	4.96	3.11	0.79	1.15	2.02
F5-87-GC1	290	0	0	0	0	0	0	0	0	0	0	1.82	4.32	2.64	0.26	0.3	0.75
F5-87-GC1	312	0	0	0	0	0	0	0	0	0	0	2.22	3.71	3.1	0.69	0.91	0.53
F5-87-GC1	320	0	0	0	0	0	0	0	0	0	0	0.69	2.11	1.74	1.53	0.98	0.25
F5-87-GC1	330	0	0	0	0	0	0	0	0	0	0	1.04	0.93	1.08	3.85	12.32	17.98
F5-87-GC1	344	0	0	0	0	0	0	0	0	0	0	4.12	2.45	2.37	0.66	1.05	0.27
F5-87-GC1	354	0	0	0	0	0	0	0	0	0	0	1.84	4.75	0.92	1.29	0.61	0.22
F5-87-GC1	363	0	0	0	0	0	0	0	0	0	0	0.12	3.63	0.68	1.16	4.69	11.15
F5-87-GC1	374	0	0	0	0	0	0	0	0	0	0	1.47	3.65	2.17	1.54	4.71	6.21

Table 2 continued. F5-87-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F5-87-B10	0	22.2	15.34	9.7	12.37	9.57	10.2	0	4.96	62.89	32.15	95.04	7.51	3.19	1.79	0.48
F5-87-B10	10	10.27	1.65	1.4	2.11	1.54	1.45	0	24.6	70.3	5.1	75.4	5.21	2.45	1.56	1.01
F5-87-B10	20	0.69	0.22	0.26	0.29	0.22	0.19	0	60.02	39.27	0.71	39.98	3.74	1.52	1.23	0.95
F5-87-B10	30	0.57	0.79	0.87	0.71	0.68	0.44	0	87.08	11.09	1.83	12.92	3.24	1.88	1.37	2.45
F5-87-B11	0	7.17	6.77	5.05	4.2	4.75	7	0	28.37	55.68	15.95	71.63	5.86	5.62	2.37	0.58
F5-87-B11	10	0.85	0.68	0.6	0.31	0.41	0.57	0	79.47	19.25	1.28	20.53	3.44	1.57	1.25	2.85
F5-87-B11	20	0.4	0.16	0.17	0.12	0.13	0.14	0	95.15	4.45	0.4	4.85	2.45	0.89	0.94	3.42
F5-87-B11	30	0.3	0.23	0.16	0.08	0.07	0.12	0	96.38	3.35	0.27	3.62	2.09	1.02	1.01	2.71
F5-87-B11	40	0.18	0.24	0.18	0.13	0.09	0.11	0	95.16	4.51	0.33	4.84	2.31	1.05	1.03	2.21
F5-87-GC1	10	10.88	14.39	14.93	8.15	18.02	15.37	0	3.41	55.06	41.53	96.59	7.95	3.66	1.91	0.3
F5-87-GC1	20	11.83	12.97	10.93	8.46	9.75	14.11	0	5.48	62.21	32.31	94.52	7.49	4.25	2.06	0.5
F5-87-GC1	30	10.04	8.08	8.47	7.15	5.19	6.13	0	4.55	76.97	18.48	95.45	6.6	3.19	1.79	1.07
F5-87-GC1	40	5.91	6.78	3.9	6.41	3.68	4.33	0	20.84	64.75	14.42	79.16	5.91	3.56	1.89	1.08
F5-87-GC1	50	9.9	17.67	8.83	8.74	13.24	13.71	0	3.37	60.94	35.69	96.63	7.62	3.99	2	0.43
F5-87-GC1	60	10.54	19.68	4.23	8.08	15.98	12.72	0	2.04	61.18	36.78	97.96	7.6	3.61	1.9	0.63
F5-87-GC1	70	11.43	14.99	11.3	10.45	16.33	18.88	0	2.52	51.83	45.65	97.48	8.05	4.22	2.05	0.21
F5-87-GC1	80	12.37	17.33	13.78	9.88	10.21	20.2	0	0.91	58.78	40.31	99.09	8.08	3.98	1.99	0.47
F5-87-GC1	90	4.4	7.56	4.81	2.98	6.96	5.54	0	5.7	78.83	15.48	94.3	6.02	3.78	1.94	1.25
F5-87-GC1	100	7.8	17.32	9.44	9.85	12.4	19.5	0	5.61	52.64	41.75	94.39	7.86	4.95	2.23	0.18
F5-87-GC1	110	12.93	18.02	14.83	11.64	8.11	14.69	0	2.37	63.19	34.44	97.63	7.77	3.65	1.91	0.49
F5-87-GC1	120	10.67	20.3	12.46	9.49	17.22	18.99	0	2.49	51.81	45.7	97.51	8.13	4.04	2.01	0.18
F5-87-GC1	130	14.37	13.88	13.52	9.12	11.65	18.78	0	0.51	59.94	39.55	99.49	7.99	4.03	2.01	0.46
F5-87-GC1	140	15.27	11.23	10.42	9.73	8.65	13.11	0	1.92	66.6	31.48	98.08	7.57	3.41	1.85	0.87
F5-87-GC1	150	1.06	0.84	0.28	0.42	0.56	0.41	0	22	76.6	1.4	78	4.57	0.86	0.93	2.95
F5-87-GC1	160	13.1	12.21	8.69	9.2	9.4	14.19	0	1.48	65.73	32.79	98.52	7.49	4.07	2.02	0.66
F5-87-GC1	170	13.84	13.65	10.61	10.27	10.86	15.31	0	1.48	62.08	36.44	98.52	7.73	3.82	1.95	0.6
F5-87-GC1	180	10.94	17.39	15.31	12.86	13.55	18.9	0	1.68	53.01	45.31	98.32	8.11	4.05	2.01	0.19
F5-87-GC1	190	9.54	9.86	7.52	6.24	4.75	8.49	0	7.25	73.27	19.48	92.75	6.59	4.13	2.03	0.89
F5-87-GC1	202	9.55	10.99	8.54	5.6	8.79	10.55	0	2.74	72.31	24.94	97.26	7.02	4.01	2	0.87
F5-87-GC1	210	9.89	18.88	7.95	12.52	4.73	13.13	0	3.03	66.59	30.38	96.97	7.4	4.03	2.01	0.63
F5-87-GC1	220	7.91	3.84	1.81	3.24	3.74	3.37	0	18.45	71.2	10.35	81.55	5.75	2.86	1.69	1.36
F5-87-GC1	235	15.9	14.01	8.18	8.62	12.93	12.59	0	1.35	64.5	34.15	98.65	7.58	3.52	1.88	0.69
F5-87-GC1	240	14.63	12.8	13.17	10.38	17.87	16.24	0	1.54	53.99	44.48	98.46	8.06	3.41	1.85	0.47
F5-87-GC1	250	13.38	11.55	16.54	10.53	13.02	19.5	0	1.61	55.34	43.05	98.39	8.07	4.17	2.04	0.28
F5-87-GC1	260	16.52	12.2	9.23	9.49	11.76	10.42	0	1.08	67.25	31.67	98.92	7.48	3.02	1.74	0.9
F5-87-GC1	270	16.94	13.65	10.99	17.1	13.41	20.78	0	0	48.71	51.29	100	8.32	3.57	1.89	0.41
F5-87-GC1	280	15.1	14.86	13.8	8.3	13.05	19.61	0	3.25	55.8	40.96	96.75	7.96	4.61	2.15	0.21
F5-87-GC1	290	14.58	18.28	8.4	11.74	21.1	15.81	0	1.82	49.52	48.65	98.18	8.07	3.67	1.92	0.15
F5-87-GC1	312	12.51	19.49	12.64	11.98	12.68	19.54	0	2.22	53.59	44.19	97.78	8.1	4.15	2.04	0.22
F5-87-GC1	320	6.09	17.63	18.76	6.17	23.6	20.46	0	0.69	49.08	50.23	99.31	8.45	3.44	1.85	0.21
F5-87-GC1	330	17.01	11.62	6.71	8.31	8.14	11.01	0	1.04	71.5	27.46	98.96	7.34	3.15	1.78	1.12
F5-87-GC1	344	8.19	13.84	14.54	12.7	13.9	25.93	0	4.12	43.35	52.53	95.88	8.41	4.77	2.18	-0.04
F5-87-GC1	354	10.71	14.38	13.79	12.19	20	19.29	0	1.84	46.67	51.49	98.16	8.24	3.93	1.98	0.1
F5-87-GC1	363	14.03	15.05	10.76	8.57	15.69	14.46	0	0.12	61.15	38.73	99.88	7.85	3.41	1.85	0.62
F5-87-GC1	374	15.77	12.57	11.93	9.98	14.27	15.77	0	1.47	58.52	40	98.53	7.84	3.88	1.97	0.44

Table 2 continued. F5-87-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F5-87-B10	0	3.88	7.38	7.48	1.6	0.07	1.64
F5-87-B10	10	5.37	5.09	5.12	1.52	0.1	1.03
F5-87-B10	20	6.18	3.67	3.64	1.15	0.02	0.87
F5-87-B10	30	11.36	3.02	2.98	1.01	0.16	1.58
F5-87-B11	0	3.13	5.73	5.68	2.24	0.06	0.84
F5-87-B11	10	14.35	3	3.39	0.87	0.74	1.54
F5-87-B11	20	23.4	2.28	2.32	0.67	0.25	1.28
F5-87-B11	30	18.21	1.97	1.96	0.78	0.1	1.29
F5-87-B11	40	15.04	2.22	2.22	0.84	0.07	1.22
F5-87-GC1	10	3.12	7.71	7.71	1.72	0.05	1.61
F5-87-GC1	20	2.95	7.05	7.3	1.87	0.22	1.42
F5-87-GC1	30	4.14	6.25	6.57	1.55	0.26	0.91
F5-87-GC1	40	4.13	5.51	5.73	1.77	0.22	0.96
F5-87-GC1	50	2.96	7.3	7.39	1.84	0.11	1.35
F5-87-GC1	60	3.05	7.28	7.3	1.69	0.15	1.12
F5-87-GC1	70	2.73	7.73	7.86	1.92	0.12	1.73
F5-87-GC1	80	2.63	7.61	7.88	1.87	0.26	1.66
F5-87-GC1	90	4.09	5.36	5.91	1.68	0.47	0.84
F5-87-GC1	100	2.51	7.55	7.74	2.03	0.15	1.56
F5-87-GC1	110	3.23	7.48	7.6	1.72	0.15	1.78
F5-87-GC1	120	2.82	7.81	8.02	1.82	0.18	1.87
F5-87-GC1	130	2.65	7.65	7.83	1.86	0.18	1.54
F5-87-GC1	140	3.35	7.08	7.35	1.59	0.4	1.2
F5-87-GC1	150	18.22	4.44	4.46	0.68	0.18	1.38
F5-87-GC1	160	2.92	7.07	7.27	1.85	0.22	1.32
F5-87-GC1	170	2.94	7.3	7.49	1.78	0.22	1.36
F5-87-GC1	180	2.82	7.8	8.06	1.78	0.22	1.79
F5-87-GC1	190	3.5	6.3	6.32	1.94	0.13	1.18
F5-87-GC1	202	3.2	6.78	6.92	1.86	0.2	1.03
F5-87-GC1	210	3.04	7.24	7.2	1.93	0.05	1.31
F5-87-GC1	220	5.49	5.47	5.41	1.59	0.11	1.36
F5-87-GC1	235	3.2	7.16	7.32	1.69	0.22	1.27
F5-87-GC1	240	3	7.75	7.77	1.6	0.16	1.35
F5-87-GC1	250	2.65	7.76	7.9	1.9	0.14	1.66
F5-87-GC1	260	3.67	7.07	7.28	1.49	0.33	1.05
F5-87-GC1	270	2.67	8.04	8.13	1.74	0.16	1.6
F5-87-GC1	280	2.59	7.68	7.9	1.93	0.17	1.71
F5-87-GC1	290	3.08	7.98	7.91	1.69	-0.02	1.68
F5-87-GC1	312	2.77	7.78	7.97	1.86	0.16	1.92
F5-87-GC1	320	2.88	8.03	8.24	1.73	0.22	1.96
F5-87-GC1	330	3.79	6.88	7.14	1.55	0.37	1.27
F5-87-GC1	344	2.5	8.1	8.38	2.08	0.16	1.76
F5-87-GC1	354	2.88	8.1	8.18	1.81	0.07	1.93
F5-87-GC1	363	3.02	7.48	7.55	1.59	0.21	1.24
F5-87-GC1	374	2.83	7.59	7.57	1.82	0.06	1.52

Table 2 continued. F1-88-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F1-88-B21	0	0	0	0	0	0.14	0.42	0.7	1.96	9.65	7.83	7.53	6.26	5.05	5.35	8.84	6.11
F1-88-B21	11	0	0	0	0	0	0	0	0	0	0	3.71	1.1	0.95	0.31	4.29	12.45
F1-88-B21	19	0	0	0	0	0	0	0	0	0	0	0.84	2.33	4.1	0.72	0.3	0.46
F1-88-B21	30	0	0	0	0	0	0	0	0	0	0	2.65	1.61	1.45	2.92	18.9	18.46
F1-88-B21	42	0	0	0	0	0.93	6.5	22.29	28.79	21.83	7.43	4.7	2.37	1.51	0.83	0.49	0.48
F1-88-B21	51	0	0	0	0.94	3.76	15.03	22.55	22.55	18.79	6.11	2.87	3.22	1.22	0.86	0.34	0.38
F1-88-B22	0	0	0	2.29	0.76	1.91	2.48	3.63	6.12	8.03	7.64	6.49	3.46	1.7	0.97	0.18	0.39
F1-88-B22	5	0	0	0.54	0.14	0.07	0.47	1.29	2.24	3.39	2.04	5.78	3.16	0.67	0.56	0.49	2.87
F1-88-B22	10	0	0	0	0	0	0	0.11	0.23	0.46	4	15.31	30.71	28.78	10.78	4.66	1.54
F1-88-B22	20	0	0	0	0	0	0	0	0	0	0	9.38	3.24	2.02	0.41	0.68	6.81
F1-88-B22	30	0	0	0.3	0.76	0.91	1.98	2.13	3.34	6.38	7.9	7.17	2.61	1.7	1.5	5.3	6.26
F1-88-B24	0	0	0	0	0	0	0	0.61	7.31	26.18	15.83	9.75	2.01	0.48	0.39	0.37	0.91
F1-88-B24	7	0	0	0	0	0	0	0.9	12.88	28.15	11.98	5.64	2.65	0.95	0.18	0.28	3.88
F1-88-B24	14	0	0	0	0	0	0	2.16	6.74	18.07	15.91	10.79	2.74	1.39	0.48	0.31	0.23
F1-88-B24	24	0	0	0	0	0	0.76	6.08	21.27	30.77	12.15	8.47	2.3	1.66	1.95	2.84	2.85
F1-88-B25	0	0	0	0	0	0.17	0.17	1.04	2.61	3.48	2.69	6.17	3.39	10	12.64	16.67	15.54
F1-88-B25	2	0	0	0	0	0.23	0.08	0.78	1.55	1.71	3.11	7.6	17.23	8.41	12.7	15.35	9.7
F1-88-B25	10	0	0	0	0	0	1.39	2.78	6.94	16.66	18.39	18.85	15.34	9.38	4.16	1.98	1.22
F1-88-B25	20	0	0	0	0	0	2.33	18.18	33.55	25.63	7.46	5.62	3	1.72	0.66	0.38	0.29
F1-88-B25	30	0	0	0	0	0.94	9.38	28.13	29.07	16.88	5.63	3.3	2.9	1.48	0.36	0.49	0.31
F1-88-B25	40	0	0	0	0.92	4.15	11.52	19.35	21.19	20.27	8.29	6.79	2.83	1.52	0.85	0.52	0.37

Table 2 continued. F1-88-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F1-88-B21	0	8.21	7.44	9	4.62	5.38	5.49	0	28.23	56.28	15.49	71.77	5.82	5.55	2.36	0.46
F1-88-B21	11	12.48	19.31	13.4	10.62	8.86	12.5	0	3.71	64.29	31.99	96.29	7.64	3.33	1.82	0.61
F1-88-B21	19	2.02	19.79	18.01	11.84	22.24	17.37	0	0.84	47.71	51.46	99.16	8.29	3.31	1.82	0.16
F1-88-B21	30	14.02	13.36	11.32	4.54	5.12	5.63	0	2.65	82.05	15.3	97.35	6.9	2.39	1.55	1.15
F1-88-B21	42	0.41	0.45	0.31	0.26	0.19	0.21	0	92.48	6.86	0.66	7.52	2.56	1.31	1.15	2.8
F1-88-B21	51	0.32	0.36	0.21	0.16	0.17	0.18	0	92.59	6.91	0.5	7.41	2.34	1.38	1.17	2.36
F1-88-B22	0	7.11	11.27	7.68	7.85	7.12	12.92	0	39.36	32.74	27.89	60.64	5.92	10.95	3.31	0.1
F1-88-B22	5	9.26	15.6	11.71	13.05	12.83	13.84	0	15.96	44.32	39.72	84.04	7.32	6.61	2.57	-0.41
F1-88-B22	10	1.04	0.77	0.49	0.44	0.3	0.39	0	20.1	78.76	1.13	79.9	4.58	0.87	0.93	2.45
F1-88-B22	20	11.58	15.86	11.1	11.79	15.06	12.06	0	9.38	51.7	38.92	90.62	7.54	4.26	2.07	0.09
F1-88-B22	30	7.03	9.31	10.07	7.17	10.01	8.16	0	30.87	43.78	25.35	69.13	6.15	7.78	2.79	-0.01
F1-88-B24	0	4.24	11.08	5.56	6.03	3.82	5.45	0	59.67	25.03	15.3	40.33	4.96	7.26	2.7	0.87
F1-88-B24	7	6.22	6.09	5.61	4	4.3	6.28	0	59.54	25.88	14.59	40.46	4.83	7.61	2.76	0.96
F1-88-B24	14	2.83	12.13	6.19	7.59	6.09	6.36	0	53.67	26.29	20.04	46.33	5.29	7.81	2.79	0.65
F1-88-B24	24	2.21	2.14	0.96	1.03	1.51	1.05	0	79.49	16.92	3.58	20.51	3.49	3.23	1.8	1.98
F1-88-B25	0	10.41	3.24	2.58	2.78	2.31	4.1	0	16.33	74.47	9.2	83.67	5.76	3.6	1.9	0.73
F1-88-B25	2	7.63	3.74	2.71	2.3	2.15	3.02	0	15.06	77.47	7.47	84.94	5.48	3.15	1.78	1.04
F1-88-B25	10	0.98	0.5	0.41	0.34	0.2	0.49	0	65.01	33.96	1.03	34.99	3.72	1.58	1.26	1.75
F1-88-B25	20	0.38	0.17	0.22	0.16	0.09	0.17	0	92.77	6.82	0.41	7.23	2.64	0.98	0.99	2.99
F1-88-B25	30	0.27	0.23	0.19	0.15	0.12	0.18	0	93.32	6.23	0.45	6.68	2.39	1.11	1.05	2.93
F1-88-B25	40	0.34	0.28	0.25	0.23	0.14	0.23	0	92.47	6.94	0.59	7.53	2.48	1.47	1.21	2.13

Table 2 continued. F1-88-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F1-88-B21	0	2.8	5.85	5.67	2.17	-0.04	0.71
F1-88-B21	11	3.58	7.4	7.46	1.63	0.13	1.55
F1-88-B21	19	3.28	8.09	8.17	1.56	0.1	2.26
F1-88-B21	30	5.29	6.62	6.77	1.22	0.19	1.12
F1-88-B21	42	15.84	2.35	2.46	0.85	0.3	1.6
F1-88-B21	51	13.75	2.17	2.23	0.88	0.22	1.31
F1-88-B22	0	1.97	6.82	6	3.14	-0.26	0.81
F1-88-B22	5	3.02	7.58	6.8	2.56	-0.31	1.89
F1-88-B22	10	16.12	4.49	4.49	0.71	0.11	1.32
F1-88-B22	20	3.01	7.5	7.47	1.8	-0.04	1.6
F1-88-B22	30	2.32	6.64	6.09	2.69	-0.22	0.78
F1-88-B24	0	2.55	3.5	4.72	2.34	0.68	0.64
F1-88-B24	7	2.76	3.32	4.55	2.43	0.7	0.68
F1-88-B24	14	2.2	3.68	4.9	2.48	0.63	0.64
F1-88-B24	24	7.1	2.81	3.44	1.54	0.66	1.79
F1-88-B25	0	4.8	5.72	5.52	1.67	-0.1	1.46
F1-88-B25	2	5.28	5.39	5.41	1.51	0.1	1.07
F1-88-B25	10	10.41	3.55	3.63	1.04	0.16	1.05
F1-88-B25	20	19.24	2.45	2.54	0.77	0.29	1.53
F1-88-B25	30	18.34	2.17	2.27	0.79	0.3	1.62
F1-88-B25	40	12.79	2.33	2.4	0.99	0.16	1.19

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-B30	0	0	0	0	0	0	0	0	0	0	0	0.25	1.78	2.06	1.52	0.95	0.81
F3-89-B30	1	0	0	0	0	0	0	0	0	0	0	0	0.4	2.02	0.98	0.27	0.45
F3-89-B30	5	0	0	0	0	0	0	0	0	0	0	0.08	5	2.44	0.44	0.68	0.68
F3-89-B30	10	0	0	0	0	0	0	0	0	0	0	0.12	3.48	0.57	1.58	0.42	0.96
F3-89-B30	15	0	0	0	0	0	0	0	0	0	0	0	3.46	10.8	5.53	5.36	3.89
F3-89-B30	20	0	0	0	0	0	0	0	0	0	0	0.16	2.09	2.42	1.57	0.34	0.82
F3-89-B30	25	0	0	0	0	0	0	0	0	0	0	0.03	5.39	5.32	4.22	4.57	2.51
F3-89-B30	30	0	0	0	0	0	0	0	0	0	0	0.09	4.39	2.47	0.65	0.83	0.72
F3-89-B30	35	0	0	0	0	0	0	0	0	0	0	0.02	4.93	2.05	0.99	0.27	0.43
F3-89-B30	40	0	0	0	0	0	0	0	0	0	0	0.1	2.12	2.15	0.79	1.58	9.71
F3-89-B30	45	0	0	0	0	0	0	0	0	0	0	0.03	2.69	2.69	0.54	0.82	0.58
F3-89-B30	50	0	0	0	0	0	0	0	0	0	0	0.43	3.14	2.03	0.65	12.89	18.46
F3-89-B31	0	0	0	0	0	0	0	0	0	0	0	3.85	3.56	2.2	1.62	1	0.51
F3-89-B31	1	0	0	0	0	0	0	0	0	0	0	2.26	7.23	1.31	0.47	0.32	0.97
F3-89-B31	5	0	0	0	0	0	0	0	0	0	0	1.14	2.43	2.9	0.87	0.32	0.51
F3-89-B31	10	0	0	0	0	0	0	0	0	0	0	1.22	1.94	2.84	0.78	0.48	4.12
F3-89-B31	15	0	0	0	0	0	0	0	0	0	0	1.41	4.64	1.99	0.82	0.8	6.36
F3-89-B31	20	0	0	0	0	0	0	0	0	0	0	3.82	5.32	1.67	0.56	0.2	6.23
F3-89-B31	25	0	0	0	0.48	1.44	0.48	1.2	2.76	5.88	9	2.4	1.86	1.51	0.3	0.53	8.95
F3-89-B31	30	0	0	0	0	2.23	8.03	21.85	22.74	18.73	9.36	2.68	5.52	4.71	1.18	1.09	0.46
F3-89-B33	0	0	0	0	0	0	0	0	0	0	0	0.32	13.68	4.68	4.79	6.33	11.55
F3-89-B33	1	0	0	0	0	0	0	0	0	0	0	0.4	1.37	3.01	0.46	0.68	0.14
F3-89-B33	5	0	0	0	0	0	0	0	0	0	0	0.23	3.03	2.13	0.91	0.9	0.85
F3-89-B33	10	0	0	0	0	0	0	0	0	0	0	0.27	4.27	1.42	1.21	0.77	0.52
F3-89-B33	15	0	0	0	0	0	0	0	0	0	0	0.08	4.22	1.92	2.14	0.87	0.87
F3-89-B33	20	0	0	0	0	0	0	0	0	0	0	0.07	1.46	4.25	1.65	0	0.57
F3-89-B34	0	0	0	0	1.3	1.3	2.07	2.33	3.11	3.11	7.52	4.15	3.04	1.22	6.29	7.8	9.4
F3-89-B34	10	0	0	0	0	0	1.21	2.52	3.04	3.56	4.25	2.25	3.62	1.99	0.64	5.51	7.43
F3-89-B34	20	0	0	0	0	0	0	0.3	1.09	5.33	8.49	3.46	3.34	15.65	6.8	5.57	7.1
F3-89-B34	30	0	0	0	0	0	0.32	1.39	2.35	4.49	6.95	4.6	3.83	8.38	11.3	5.8	9.46
F3-89-B34	35	0	0	0	0	0	0.26	1.8	2.41	1.28	2.46	1.64	2.1	1.43	13.58	13.18	6.91
F3-89-B34	40	0	0	0	0	0	2.83	21.08	21.71	7.87	4.41	3.15	9.31	17.69	5.12	2.31	0.94
F3-89-B34	45	0	0	0	0	0.99	4.93	34.99	38.44	14.29	3.45	0.49	1.55	0.52	0.14	0.08	0.04
F3-89-B34	50	0	0	0	0	0	0	0	0	0	0	1.51	0.51	15.78	15.27	17.63	8.2
F3-89-B34	55	0	0	0	0	0	0	0	9.47	44.51	32.67	7.1	3.23	1.12	0.77	0.35	0.21
F3-89-B35	0	0	0	0	0	0	0	0	0	0	0	1.47	2.66	2.4	2.31	15.95	6.94
F3-89-B35	1	0	0	0	0	0	0	0	0	0	0	0.4	2.23	1.25	1.08	0.68	0.76
F3-89-B35	5	0	0	0	0	0	0	0	0	0	0	2.61	3.31	2.07	0.58	0.54	3.98
F3-89-B35	10	0	0	0	0	0	0	0	0	0	0	5.58	2.87	1.35	0.5	0.32	5.88
F3-89-B35	15	0	0	0	0	0	0	0	0	0	0	4.02	4.49	2.79	1.39	0.54	4.69
F3-89-B35	20	0	0	0	0	0	0	0	0	0	0	6.65	0.21	2.25	0.4	0.96	13.65
F3-89-B35	25	0	0	0	0	0	0	0	0	0	0	0.38	5.4	1.77	0.37	1.03	0.49
F3-89-B35	30	0	0	0	0	0	0	0	0	0	0	0.4	2.87	1.01	0.51	7.22	12.01
F3-89-B35	35	0	0	0	0	0	0	0	0	0	0	0.2	3.87	1.6	0.96	4.23	19.59
F3-89-B35	40	0	0	0	0	0	0	0	0	0	0	0.36	1.55	2.37	3.08	16.48	12.88
F3-89-B35	45	0	0	0	0	0	0	0	0	0	0	4.39	1.72	4.68	12.72	17.41	10.05

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-B30	0	9.61	19.31	19.99	11.51	13.83	18.38	0	0.25	56.02	43.73	99.75	8.24	3.25	1.8	0.51
F3-89-B30	1	11.34	19.83	19.61	11.32	17.52	16.26	0	0	54.9	45.1	0	8.27	2.7	1.64	0.76
F3-89-B30	5	13.35	22.7	12.87	14.12	7.38	20.26	0	0.08	58.15	41.77	99.92	8.12	3.93	1.98	0.41
F3-89-B30	10	13.51	20.37	12.21	14.38	10.16	22.25	0	0.12	53.09	46.79	99.88	8.32	3.77	1.94	0.42
F3-89-B30	15	10.24	12.49	11.78	9.08	10.07	17.3	0	0	63.55	36.45	0	7.63	4.72	2.17	0.49
F3-89-B30	20	3.39	15.93	19.49	14.55	14.29	24.97	0	0.16	46.04	53.81	99.84	8.58	3.71	1.93	0.22
F3-89-B30	25	7.58	9.56	19.16	10.01	11.98	19.68	0	0.03	58.3	41.67	99.97	7.95	4.62	2.15	0.28
F3-89-B30	30	3.09	17.92	19	11.46	18.6	20.78	0	0.09	49.06	50.84	99.91	8.38	3.68	1.92	0.16
F3-89-B30	35	9.75	21.23	14.7	10.44	17.67	17.53	0	0.02	54.35	45.63	99.98	8.16	3.52	1.88	0.31
F3-89-B30	40	16.17	21.81	11.95	7.34	13.07	13.22	0	0.1	66.28	33.63	99.9	7.8	3.02	1.74	0.82
F3-89-B30	45	0.61	8.7	22.11	15.56	20.63	25.04	0	0.03	38.74	61.23	99.97	8.71	3.53	1.88	0.05
F3-89-B30	50	16.18	14	9.17	6.35	8.09	8.6	0	0.43	76.52	23.05	99.57	7.21	2.82	1.68	1.1
F3-89-B31	0	4.72	17.9	8.21	18.37	18.74	19.32	0	3.85	39.72	56.43	96.15	8.2	4.24	2.06	-0.05
F3-89-B31	1	2.17	14.25	15.89	17.37	17.23	20.53	0	2.26	42.62	55.13	97.74	8.27	4.32	2.08	-0.1
F3-89-B31	5	3.64	15.4	16.05	16.76	19.52	20.45	0	1.14	42.12	56.74	98.86	8.43	3.55	1.88	0.1
F3-89-B31	10	21.67	20.33	11.29	9.8	12.75	12.77	0	1.22	63.46	35.32	98.78	7.79	3.06	1.75	0.66
F3-89-B31	15	15.86	14.03	13.97	10.9	13.48	15.74	0	1.41	58.48	40.12	98.59	7.89	3.75	1.94	0.39
F3-89-B31	20	20.45	15.78	11.77	9.65	12.17	12.38	0	3.82	61.99	34.19	96.18	7.6	3.71	1.92	0.37
F3-89-B31	25	11.44	9.28	10.14	10.32	8.55	13.49	0	23.63	44.02	32.35	76.37	6.78	7.93	2.82	-0.14
F3-89-B31	30	0.2	0.2	0.22	0.3	0.28	0.26	0	85.6	13.57	0.83	14.4	2.66	1.64	1.28	2.09
F3-89-B33	0	9.75	8.43	10.13	8.99	8.26	13.08	0	0.32	69.35	30.33	99.68	7.18	4.7	2.17	0.61
F3-89-B33	1	13.96	16.33	17.12	13.37	11.61	21.54	0	0.4	53.08	46.52	99.6	8.34	3.58	1.89	0.45
F3-89-B33	5	19.74	24.7	12.28	9.61	8.69	16.93	0	0.23	64.54	35.23	99.77	7.97	3.42	1.85	0.68
F3-89-B33	10	3.24	16.6	18.93	14.45	14.21	24.11	0	0.27	46.95	52.77	99.73	8.5	3.9	1.97	0.13
F3-89-B33	15	0.45	7.88	19.78	15.61	18.78	27.41	0	0.08	38.13	61.79	99.92	8.71	4.08	2.02	-0.09
F3-89-B33	20	5.42	16.19	18.63	16.85	12.12	22.81	0	0.07	48.15	51.78	99.93	8.44	3.67	1.92	0.29
F3-89-B34	0	8.93	10.33	6.2	6.73	8.32	6.86	0	24.89	53.2	21.91	75.11	6.09	6.82	2.61	-0.04
F3-89-B34	10	10.49	12.42	11.53	7.7	11.37	10.46	0	16.82	53.63	29.54	83.18	6.85	6.42	2.53	-0.17
F3-89-B34	20	7.36	7.53	6.75	5.2	9.61	6.43	0	18.66	60.1	21.24	81.34	6.16	5.25	2.29	0.49
F3-89-B34	30	6.8	8.95	4.6	6.14	9.01	5.61	0	20.11	59.13	20.76	79.89	6.09	5.21	2.28	0.37
F3-89-B34	35	10.55	11.47	9.38	4.48	10.35	6.73	0	9.85	68.6	21.56	90.15	6.64	4.46	2.11	0.16
F3-89-B34	40	0.66	0.27	0.83	0.48	0.78	0.55	0	61.05	37.14	1.81	38.95	3.37	2.77	1.66	1.26
F3-89-B34	45	0.03	0.02	0.01	0.01	0	0	0	97.58	2.4	0.02	2.42	2.18	0.38	0.62	1.94
F3-89-B34	50	9.19	6.77	5.23	4.81	9.55	5.55	0	1.51	78.57	19.91	98.49	6.54	3.11	1.76	1.17
F3-89-B34	55	0.13	0.14	0.08	0.08	0.08	0.05	0	93.76	6.03	0.21	6.24	3.07	0.45	0.67	3.51
F3-89-B35	0	16.63	9.56	8.43	7.66	11.72	14.28	0	1.47	64.88	33.65	98.53	7.52	4	2	0.7
F3-89-B35	1	17.32	13.79	14.14	9.84	18.85	19.65	0	0.4	51.25	48.34	99.6	8.3	3.45	1.86	0.43
F3-89-B35	5	13.38	19.77	7.42	13.25	14.19	18.89	0	2.61	51.07	46.33	97.39	8.07	4.07	2.02	0.26
F3-89-B35	10	17.05	12.66	14.96	10.7	12.99	15.14	0	5.58	55.59	38.83	94.42	7.8	4.03	2.01	0.24
F3-89-B35	15	8.53	18.12	12.31	9.45	15.55	18.11	0	4.02	52.87	43.11	95.98	7.94	4.48	2.12	0.15
F3-89-B35	20	8.06	13.7	14.26	10.76	11.02	18.06	0	6.65	53.5	39.85	93.35	7.87	4.44	2.11	0.26
F3-89-B35	25	7.73	16.86	20.52	9.01	14.42	22.04	0	0.38	54.16	45.46	99.62	8.31	4.03	2.01	0.19
F3-89-B35	30	11.96	15.21	11.77	10.61	10.42	16.02	0	0.4	62.56	37.04	99.6	7.83	3.63	1.91	0.69
F3-89-B35	35	16.59	14.13	10.35	9.22	6.28	12.98	0	0.2	71.32	28.48	99.8	7.52	3.38	1.84	0.93
F3-89-B35	40	14.8	11.08	10.09	9.07	6.24	12	0	0.36	72.34	27.3	99.64	7.36	3.4	1.84	1.03
F3-89-B35	45	9.9	8.55	7.34	6.72	6.89	9.63	0	4.39	72.37	23.24	95.61	6.88	3.85	1.96	0.96

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-B30	0	3	7.82	8.05	1.65	0.27	2.1
F3-89-B30	1	3.26	7.85	7.97	1.27	0.41	1.39
F3-89-B30	5	2.74	7.67	8.01	1.89	0.27	2.02
F3-89-B30	10	2.58	7.86	8.19	1.85	0.29	1.73
F3-89-B30	15	2.4	7.43	7.26	2.14	0.05	1.19
F3-89-B30	20	2.54	8.13	8.55	1.85	0.32	1.97
F3-89-B30	25	2.38	7.79	7.64	2.17	0.02	1.7
F3-89-B30	30	2.87	8.04	8.35	1.81	0.24	2.33
F3-89-B30	35	3.03	7.83	7.99	1.75	0.16	2.3
F3-89-B30	40	3.48	7.39	7.53	1.5	0.28	1.44
F3-89-B30	45	2.8	8.36	8.69	1.88	0.22	2.53
F3-89-B30	50	4.29	6.88	7.1	1.54	0.26	1.38
F3-89-B31	0	2.89	8.22	8.2	1.9	-0.02	2.51
F3-89-B31	1	2.88	8.15	8.33	1.89	0.11	2.52
F3-89-B31	5	3.03	8.21	8.39	1.78	0.15	2.48
F3-89-B31	10	3.61	7.4	7.61	1.51	0.27	1.63
F3-89-B31	15	3.01	7.64	7.7	1.75	0.11	1.69
F3-89-B31	20	3.32	7.36	7.45	1.69	0.11	1.77
F3-89-B31	25	2.43	7.09	6.31	2.81	-0.23	0.95
F3-89-B31	30	10.99	2.39	2.59	1.05	0.32	1.35
F3-89-B33	0	2.7	6.94	6.78	2.11	0.06	1.13
F3-89-B33	1	2.66	7.89	8.18	1.81	0.27	1.82
F3-89-B33	5	3.13	7.44	7.76	1.68	0.34	1.84
F3-89-B33	10	2.66	8.09	8.5	1.9	0.28	2.1
F3-89-B33	15	2.59	8.38	8.73	2	0.21	2.17
F3-89-B33	20	2.62	8.05	8.37	1.84	0.26	2.18
F3-89-B34	0	2.75	6.36	6.01	2.58	-0.17	0.92
F3-89-B34	10	2.78	7.14	6.57	2.58	-0.23	1.38
F3-89-B34	20	2.8	6	6.04	2.28	0.06	0.94
F3-89-B34	30	2.89	6.03	5.99	2.23	-0.02	0.94
F3-89-B34	35	3.53	6.66	6.87	1.88	0.05	1.27
F3-89-B34	40	5.61	2.74	3.13	1.4	0.42	0.69
F3-89-B34	45	13.01	2.06	2.17	0.42	0.39	1.14
F3-89-B34	50	4.09	5.97	6.44	1.59	0.41	0.86
F3-89-B34	55	27.63	2.96	3.01	0.46	0.23	2.41
F3-89-B35	0	2.87	7.08	7.3	1.78	0.28	1.14
F3-89-B35	1	2.77	7.94	8.1	1.73	0.23	1.7
F3-89-B35	5	2.79	7.75	7.96	1.88	0.18	1.98
F3-89-B35	10	3.09	7.62	7.66	1.81	0.06	1.8
F3-89-B35	15	2.7	7.7	7.78	1.98	0.09	2
F3-89-B35	20	2.77	7.64	7.72	2.02	0.08	1.67
F3-89-B35	25	2.68	7.86	8.21	1.94	0.25	2.13
F3-89-B35	30	2.91	7.46	7.55	1.66	0.25	1.31
F3-89-B35	35	3.49	7.09	7.35	1.61	0.31	1.52
F3-89-B35	40	3.5	6.95	7.17	1.58	0.33	1.22
F3-89-B35	45	3.52	6.45	6.76	1.81	0.3	1.16

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-B35	50	0	0	0	0	0	0	0	0	0	0	6.19	2.72	1.2	0	8.62	13.35
F3-89-B35	55	0	0	0	0	0	0	0.17	2	11.5	12.17	4	3.25	19.95	14.35	7.53	1.59
F3-89-B35	58	0	0	0	0	0	0	0	0	0	0	5.71	3.32	1.47	1.24	0.34	8.09
F3-89-B36	0	0	0	0	0	0	0	0	0	0	0	4.02	5.67	2.26	1.45	1.04	0.77
F3-89-B36	1	0	0	0	0	0	0	0	0	0	0	2.5	5.44	2.75	1	0.26	6.99
F3-89-B36	5	0	0	0	0	0.95	1.42	15.19	31.8	28.48	12.82	3.32	2.35	1.3	0.57	0.42	0.24
F3-89-B36	10	0	0	0	0	0.95	6.66	22.84	28.55	23.32	9.99	2.85	0.63	1.61	0.4	0.35	0.39
F3-89-B36	15	0	0	0	0	2.42	7.74	23.69	29.49	21.76	8.7	2.42	1.58	0.64	0.28	0.39	0.1
F3-89-B36	20	0	0	0	0	3.88	8.73	24.25	27.16	22.8	7.28	2.43	1.21	0.83	0.44	0.1	0.22
F3-89-B36	21	0	0	0	0	4.85	11.64	24.25	26.19	19.89	8.25	1.84	0.96	0.78	0.25	0.2	0.18
F3-89-B37	0	0	0	0	0.74	1.72	1.35	2.09	3.93	3.07	1.97	6.63	15.22	23.05	11.75	8.4	4.68
F3-89-B37	2	0	0	0.29	0.43	2.75	1.74	2.32	2.89	2.03	1.45	8.83	28.72	24.98	11.26	5.39	2.36
F3-89-B37	6	0	0	2.42	5.32	21.75	17.88	24.16	18.36	3.87	1.93	0.87	1.39	1.4	0.11	0.17	0.09
F3-89-B37	10	0	0	0	1.48	14.76	25.09	32.96	17.71	3.44	1.97	0.89	0.84	0.32	0,18	0.1	0.04
F3-89-B37	12	0	0	9.8	14.7	30.39	12.74	14.7	9.8	2.94	1.96	0.88	0.92	0.31	0.4	0.09	0.05
F3-89-B37	15	0	0	0.98	8.8	27.86	12.22	16.13	17.11	8.8	3.91	1.47	0.64	0.86	0.13	0.23	0.17
F3-89-B37	20	0	0	1.47	11.72	20.02	11.72	17.09	16.12	11.72	5.37	1.47	1.14	0.62	0.3	0.21	0.11
F3-89-B37	25	0	0	4.37	10.19	16.5	9.71	15.53	20.38	12.62	5.34	1.94	0.55	0.88	0.32	0.57	0.05
F3-89-B37	30	0	0	2.9	12.58	17.42	9.68	16.45	18.39	13.55	4.35	1.35	0.61	1.11	0.18	0.27	0.23
F3-89-B37	35	0	0	3.41	10.23	21.91	12.17	15.58	19.48	8.28	4.38	1.46	1.71	0.1	0.35	0.27	0.09
F3-89-B38	0	0	0	0	0	0	0	0	0	0	0	2.73	1.62	1.01	9.14	12.48	11.49
F3-89-B38	1	0	0	0	0	0	0	0	0	0	0	1.47	3.11	2.09	15.37	7.4	9.21
F3-89-B38	5	0	0	0	0	0	0	0.05	0.33	0.49	2.08	6.17	18.44	16.62	10.81	10.58	6.19
F3-89-B38	10	0	0	0	0	0	0	0	0	0	0	4.09	2.4	1.98	7	9.88	14.57
F3-89-B38	15	0	0	0	0	0	0	2.43	17	36.91	31.57	8.26	2.08	0.51	0.58	0.23	0.1
F3-89-B38	20	0	0	0	0	0	0.47	1.41	15.07	39.57	29.2	6.59	3.66	1.61	0.69	0.39	0.38
F3-89-B38	27	0	0	0	0	0	0	1.92	15.39	36.54	32.7	8.66	1.06	0.16	0.04	0.03	0.01
F3-89-G30	10	0	0	0	0	0	0	0	0	0	0	0.63	3.45	1.57	1.57	0.81	0.74
F3-89-G30	30	0	0	0	0	0	0	0	0	0	0	0.45	2.71	0.9	1.1	10.63	11.04
F3-89-G30	50	0	0	0	0	0	0	0	0	0	0	0.92	3.06	1.36	0.29	9.44	2.48
F3-89-G30	60	0	0	0	0	0	0	0	0	0	0	1.18	2.5	13.03	9.81	20.37	12.84
F3-89-G30	70	0	0	0	0	0	0	0	0	0	0	0.05	2.97	2.37	1.97	15.3	12.43
F3-89-G30	80	0	0	0	0	0	0	0	0	0	0	0.02	2.5	3.26	1.26	0.62	0.59
F3-89-G30	90	0	0	0	0	0	0	0	0	0	0	0.26	2.45	1.16	0.12	12.9	9.09
F3-89-G30	100	0	0	0	0	0	0	0	0	0	0	0.43	1.4	1.4	2.17	13.83	12.91
F3-89-G30	110	0	0	0	0	0	0	0	0	0	0	0.05	3.12	1.02	1.25	3.21	19.59
F3-89-G30	120	0	0	0	0	0	0	0	0	0	0	2.24	1.82	0.61	19.76	15.19	6.62
F3-89-G30	130	0	0	0	0	0	0	0	0	0	0	0.27	0.87	0.55	7.86	16.28	10.24
F3-89-G30	140	0	0	0	0	0	0	0	0	0	0	0.43	2.99	1.06	14.84	7.18	10.69
F3-89-G30	161	0	0	0	0	0	0	0	0	0	0	0.16	1.37	1.37	0.28	10.61	13.17
F3-89-G30	171	0	0	0	0	0	0	0	0	0	0	0.17	1.26	1.58	0.41	10.5	13.69
F3-89-G30	184	0	0	0	0	0	0	0	0	0	0	6.18	22.65	15.84	9.67	7.93	9.27
F3-89-P30	0	0	0	0	0	0	0	0	0	0	0	0.4	2.23	1.03	2.55	17.95	12.32
F3-89-P30	8	0	0	0	0	0	0	0	0	0	0	3.92	5.83	17.41	20.64	12.97	8.36
F3-89-P30	21	0	0	0	0	0	0	0	0	0	0	0.22	5.9	2.57	1.44	0.64	0.27

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-B35	50	10.94	18.05	7.32	10.07	6.98	14.58	0	6.19	62.19	31.62	93.81	7.47	4.3	2.07	0.53
F3-89-B35	55	4.35	4.4	3.76	4.69	0.77	5.53	0	29.84	59.18	10.98	70.16	5.27	4.8	2.19	1.17
F3-89-B35	58	12.06	14.6	16.08	9.09	9.65	18.33	0	5.71	57.22	37.07	94.29	7.84	4.57	2.14	0.25
F3-89-B36	0	15.48	19.52	12.59	16.64	6.31	14.26	0	4.02	58.77	37.21	95.98	7.68	4	2	0.28
F3-89-B36	1	16.1	16.11	13.8	9.74	11.39	13.92	0	2.5	62.45	35.05	97.5	7.69	3.84	1.96	0.39
F3-89-B36	5	0.27	0.27	0.21	0.12	0.13	0.15	0	93.98	5.62	0.4	6.02	2.65	0.91	0.95	3.03
F3-89-B36	10	0.31	0.35	0.34	0.15	0.14	0.16	0	95.16	4.39	0.46	4.84	2.49	1.08	1.04	3.01
F3-89-B36	15	0.16	0.16	0.2	0.06	0.1	0.12	0	96.22	3.51	0.28	3.78	2.37	0.86	0.93	2.81
F3-89-B36	20	0.06	0.26	0.11	0.09	0.06	0.1	0	96.52	3.23	0.25	3.48	2.32	0.86	0.93	2.54
F3-89-B36	21	0.15	0.16	0.12	0.1	0.09	0.1	0	96.91	2.8	0.29	3.09	2.25	0.89	0.94	2.5
F3-89-B37	0	3.42	4.29	1.64	1.83	2.22	2	0	21.5	72.45	6.05	78.5	4.93	3.52	1.88	0.63
F3-89-B37	2	1.19	0.99	0.73	0.36	0.64	0.66	0	22.72	75.62	1.66	77.28	4.41	2.12	1.46	0.24
F3-89-B37	6	0.08	0.07	0.03	0.01	0.05	0.04	0	96.56	3.34	0.1	3.44	1.6	1.01	1.01	1.71
F3-89-B37	10	0.03	0.06	0.04	0.02	0.04	0.03	0	98.28	1.63	0.09	1.72	1.68	0.63	0.79	2.49
F3-89-B37	12	0.06	0.09	0.04	0.02	0.05	0.04	0	97.92	1.97	0.11	2.08	1.16	1.14	1.07	1.81
F3-89-B37	15	0.19	0.21	0.06	0.05	0.11	0.09	0	97.28	2.48	0.24	2.72	1.63	1.3	1.14	1.94
F3-89-B37	20	0.19	0.29	0.15	0.09	0.1	0.11	0	96.69	3.01	0.3	3.31	1.72	1.49	1.22	1.76
F3-89-B37	25	0.14	0.25	0.3	0.1	0.14	0.13	0	96.58	3.04	0.38	3.42	1.79	1.68	1.29	1.63
F3-89-B37	30	0.12	0.35	0.08	0.14	0.12	0.12	0	96.67	2.94	0.39	3.33	1.74	1.58	1.26	1.67
F3-89-B37	35	0.09	0.19	0.09	0.07	0.07	0.07	0	96.9	2.89	0.2	3.1	1.63	1.35	1.16	1.51
F3-89-B38	0	12.78	14.35	13.6	2.46	10.36	7.99	0	2.73	76.46	20.8	97.27	7.12	3.05	1.75	0.88
F3-89-B38	1	15.71	12.88	8.46	4.72	10.08	9.51	0	1.47	74.23	24.31	98.53	7.11	3.5	1.87	0.89
F3-89-B38	5	6.06	8.84	3.36	2.46	3.71	3.82	0	9.12	80.89	9.99	90.88	5.73	3.24	1.8	1.29
F3-89-B38	10	12.54	14.55	7.85	4.22	11.2	9.72	0	4.09	70.76	25.15	95.91	7.15	3.58	1.89	0.77
F3-89-B38	15	0.13	0.15	0	0	0	0.05	0	96.17	3.78	0.05	3.83	2.96	0.41	0.64	2.49
F3-89-B38	20	0.31	0.28	0.01	0.07	0.08	0.21	0	92.32	7.33	0.35	7.68	3.05	0.7	0.84	3.69
F3-89-B38	27	0.66	0.71	0.11	0.53	0.63	0.85	0	95.21	2.78	2.01	4.79	3.13	1.44	1.2	4.44
F3-89-G30	10	11	15.65	19.89	9.53	15.17	19.98	0	0.63	54.68	44.69	99.37	8.25	3.7	1.92	0.32
F3-89-G30	30	15.67	10.99	11.71	11.24	10.42	13.15	0	0.45	64.74	34.81	99.55	7.65	3.38	1.84	0.78
F3-89-G30	50	13.86	13.05	19.84	9.32	11.6	14.77	0	0.92	63.38	35.7	99.08	7.84	3.48	1.86	0.56
F3-89-G30	60	8.25	8.97	6.69	6.21	4.43	5.72	0	1.18	82.46	16.35	98.82	6.54	2.89	1.7	1.28
F3-89-G30	70	10.45	13.02	14.22	7.28	7.82	12.11	0	0.05	72.74	27.21	99.95	7.43	3.44	1.85	0.91
F3-89-G30	80	12.05	19.99	14.51	17.66	9.12	18.44	0	0.02	54.77	45.21	99.98	8.16	3.45	1.86	0.49
F3-89-G30	90	13.71	14.45	14.99	8.64	9.54	12.7	0	0.26	68.87	30.87	99.74	7.63	3.23	1.8	0.85
F3-89-G30	100	13.93	13.27	12.26	8.01	9.03	11.35	0	0.43	71.18	28.39	99.57	7.47	3.15	1.77	0.98
F3-89-G30	110	13.17	14.52	13.26	10.8	8.24	11.76	0	0.05	69.15	30.81	99.95	7.59	3.04	1.74	0.91
F3-89-G30	120	14.24	7.79	12.89	4.65	5.82	8.37	0	2.24	78.92	18.84	97.76	6.9	3.31	1.82	1.09
F3-89-G30	130	15.21	9.93	11.83	8.62	9.31	9.05	0	0.27	72.77	26.97	99.73	7.29	2.92	1.71	1.05
F3-89-G30	140	13.83	11.99	12.31	6.65	9.26	8.78	0	0.43	74.87	24.69	99.57	7.18	3.17	1.78	0.9
F3-89-G30	161	16.5	14.06	13.83	8.46	9.99	10.2	0	0.16	71.18	28.65	99.84	7.53	2.76	1.66	1.04
F3-89-G30	171	16.18	15.38	13.77	6.64	12.1	8.33	0	0.17	72.77	27.06	99.83	7.45	2.5	1.58	1.05
F3-89-G30	184	6.81	6.53	3.57	3	5.19	3.36	0	6.18	82.27	11.55	93.82	5.79	3.08	1.76	1.3
F3-89-P30	0	13.17	13.98	9.73	7.68	11.15	7.82	0	0.4	72.96	26.64	99.6	7.26	2.74	1.66	0.99
F3-89-P30	8	6.8	5.63	6.93	3.1	1.74	6.68	0	3.92	84.56	11.52	96.08	6.15	3.4	1.84	1.53
F3-89-P30	21	2.79	17.78	16.66	12.54	13.52	25.66	0	0.22	48.05	51.72	99.78	8.45	4.47	2.11	0.03

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-B35	50	3	7.16	7.28	1.94	0.14	1.55
F3-89-B35	55	4.3	4.92	5.1	2.07	0.24	1.04
F3-89-B35	58	2.73	7.58	7.72	2.02	0.12	1.81
F3-89-B36	0	3.15	7.49	7.68	1.66	0.18	2.07
F3-89-B36	1	3.13	7.46	7.51	1.75	0.1	1.71
F3-89-B36	5	20.64	2.51	2.51	0.63	0.25	1.19
F3-89-B36	10	18.91	2.34	2.38	0.7	0.16	1.31
F3-89-B36	15	20.95	2.27	2.31	0.7	0.12	1.32
F3-89-B36	20	19.16	2.24	2.25	0.71	0.05	1.32
F3-89-B36	21	18.63	2.17	2.18	0.73	0.05	1.11
F3-89-B37	0	5.11	4.77	4.95	1.67	0.14	1.76
F3-89-B37	2	7.47	4.49	4.54	1.11	-0.08	2.28
F3-89-B37	6	11.15	1.56	1.52	0.79	0.03	1.12
F3-89-B37	10	20.02	1.61	1.55	0.61	-0.01	1.15
F3-89-B37	12	10.85	0.91	1.06	0.93	0.27	1.07
F3-89-B37	15	12.01	1.5	1.56	0.94	0.14	0.9
F3-89-B37	20	10.85	1.66	1.64	1.03	0.03	0.84
F3-89-B37	25	10.3	1.83	1.7	1.07	-0.1	0.87
F3-89-B37	30	10.6	1.76	1.64	1.04	-0.08	0.82
F3-89-B37	35	9.64	1.58	1.56	1	0.04	0.92
F3-89-B38	0	3.94	6.95	7.04	1.61	0.16	1.33
F3-89-B38	1	3.51	6.88	6.95	1.79	0.17	1.13
F3-89-B38	5	4.89	5.26	5.61	1.5	0.36	0.87
F3-89-B38	10	3.49	6.9	7.05	1.82	0.16	1.36
F3-89-B38	15	23.53	2.94	2.91	0.51	-0.03	1.3
F3-89-B38	20	29.67	2.95	2.95	0.52	0.24	1.49
F3-89-B38	27	27.04	2.97	2.95	0.52	0.01	1.36
F3-89-G30	10	2.82	7.84	8.09	1.83	0.23	2.03
F3-89-G30	30	3.21	7.34	7.35	1.6	0.2	1.24
F3-89-G30	50	3.12	7.62	7.56	1.74	0.06	1.61
F3-89-G30	60	4.71	6.1	6.37	1.48	0.32	0.99
F3-89-G30	70	3.37	7.18	7.19	1.68	0.15	1.28
F3-89-G30	80	2.95	7.83	8	1.74	0.19	2.07
F3-89-G30	90	3.38	7.36	7.33	1.57	0.18	1.28
F3-89-G30	100	3.58	7.14	7.19	1.54	0.23	1.19
F3-89-G30	110	3.66	7.3	7.44	1.43	0.27	1.32
F3-89-G30	120	3.98	6.64	6.74	1.55	0.26	0.98
F3-89-G30	130	3.83	6.96	7.1	1.56	0.26	1.05
F3-89-G30	140	3.67	6.96	6.99	1.64	0.17	1.08
F3-89-G30	161	3.92	7.23	7.34	1.47	0.26	1.24
F3-89-G30	171	4.24	7.2	7.32	1.4	0.25	1.17
F3-89-G30	184	4.65	5.26	5.67	1.52	0.43	0.89
F3-89-P30	0	4.03	7.01	7.14	1.48	0.23	0.99
F3-89-P30	8	5.13	5.57	5.99	1.58	0.46	1.2
F3-89-P30	21	2.45	8.07	8.5	2.01	0.27	1.92

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-P30	30	0	0	0	0	0	0	0	0	0	0	0.15	2.54	0.78	1.53	0.39	0.36
F3-89-P30	40	0	0	0	0	0	0	0	0	0	0	0.05	3.13	1.94	1.26	6.86	7.29
F3-89-P30	50	0	0	0	0	0	0	0	0	0	0	0.06	6.1	2.89	0.6	1.4	12
F3-89-P30	60	0	0	0	0	0	0	0	0	0	0	5.1	16.84	29.75	19.65	12.91	4.76
F3-89-P30	71	0	0	0	0	0	0	0	0	0	0	1.54	6.72	2.59	1.09	6.47	5.5
F3-89-P30	80	0	0	0	0	0	0	0	0	0	0	3.03	1.36	2.32	1.02	10.55	11.91
F3-89-P30	90	0	0	0	0	0	0	0	0.18	0.37	4.23	10.12	32.47	31.53	7.8	4.86	1.49
F3-89-P30	100	0	0	0	0	0	0	0	0	0	0	0.15	5.07	1.19	1.61	1.15	5.12
F3-89-P30	110	0	0	0	0	0	0	0	0	0	0	0.93	5.22	19.93	9.61	11.79	11.03
F3-89-P30	122	0	0	0	0	0	0	0	0	0	0	0.33	1.91	1.77	7.61	21.7	14.08
F3-89-P30	135	0	0	0	0	0	0	0	0	0	0	0.04	1.8	0.57	1.29	0.45	5.46
F3-89-P30	160	0	0	0	0	0	0	0	0	0	0	0.13	3.71	1.25	0.29	1.75	15.29
F3-89-P30	169	0	0	0	0	0	0	0	0	0	0	0.25	1.88	2.06	1.31	14.7	9.12
F3-89-P30	182	0	0	0	0	0	0	0	0	0	0	0.09	2.81	4.12	1.13	0.7	0.31
F3-89-P30	195	0	0	0	0	0	0	0	0	0	0	0.04	4.54	1.95	0.8	1.08	9.87
F3-89-P30	208	0	0	0	0	0	0	0	0	0	0	0.12	6.98	2.2	0.74	0.27	7.06
F3-89-P30	217	0	0	0	0	0	0	0	0	0	0	0.02	2.49	2.49	0.5	0.78	0.78
F3-89-P30	228	0	0	0	0	0	0	0	0	0	0	0.49	8.48	2.56	25.92	6.87	13.92
F3-89-P30	238	0	0	0	0	0	0	0	0	0	0	0.03	1.66	1.92	1.41	1.14	15.88
F3-89-P30	246	0	0	0	0	0	0	0	0	0	0	0.11	0.43	2.18	1.05	0.35	9.46
F3-89-P30	258	0	0	0	0	0	0	0	0	0	0	0.21	4.3	1.8	0.22	0.31	3.08
F3-89-P30	268	0	0	0	0	0	0	0	0	0	0	0.05	4.76	1.17	0.84	0	0.04
F3-89-P30	280	0	0	0	0	0	0	0	0	0	0	0.04	3.64	2.02	1.54	0.96	0.21
F3-89-P30	309	0	0	0	0	0	0	0	0	0	0	0.06	2.04	2.28	1.1	0.68	0.25
F3-89-P30	319	0	0	0	0	0	0	0	0	0	0	0	2.02	2.9	1.13	0.86	0.52
F3-89-P30	330	0	0	0	0	0	0	0	0	0	0	0.4	4.33	1.72	11.41	9.11	12.23
F3-89-P30	340	0	0	0	0	0	0	0	0	0	0	0.05	3.58	1.18	1.18	0.9	4.93
F3-89-P30	350	0	0	0	0	0	0	0	0	0	0	0.08	2.69	1.83	3.12	14.8	8.73
F3-89-P30	360	0	0	0	0	0	0	0	0	0	0	0	7.69	1.16	1.49	0	0.01
F3-89-P30	370	0	0	0	0	0	0	0	0	0	0	0.02	2.35	2.59	0.4	0.94	7.02
F3-89-P30	380	0	0	0	0	0	0	0	0	0	0	0.01	2.2	2.2	1.23	0.94	0.98
F3-89-P30	390	0	0	0	0	0	0	0	0	0	0	0	4.12	0.86	1.41	0.84	4.35
F3-89-P30	400	0	0	0	0	0	0	0	0	0	0	0.02	3.33	1.85	0.37	0.56	6.68
F3-89-P30	407	0	0	0	0	0	0	0	0	0	0	0.18	3.41	1.49	5.34	11.38	10.58
F3-89-P30	417	0	0	0	0	0	0	0	0	0	0	0.68	5.65	1.37	0.66	0.87	7.24
F3-89-P30	430	0	0	0	0	0	0	0	0	0	0	0.07	2.93	0.97	0.83	2.69	12.06
F3-89-P31	15	0	0	0	0	0	0	0	0	0	0	0.2	3.51	1.58	0.63	0.24	0.42
F3-89-P31	25	0	0	0	0	0	0	0	0	0	0	0.07	2.8	0.82	0.67	0.57	0.74
F3-89-P31	35	0	0	0	0	0	0	0	0	0	0	0.2	2.9	2.4	0.62	1.18	14.22
F3-89-P31	48	0	0	0	0	0	0	0	0	0	0	0.09	2.91	1.03	1.39	0.24	0.47
F3-89-P31	63	0	0	0	0	0	0	0	0	0	0	0.02	3	0.99	1.37	0.51	0.42
F3-89-P31	73	0	0	0	0	0	0	0	0	0	0	0.03	4.92	2.95	0.99	0.27	0.42
F3-89-P31	83	0	0	0	0	0	0	0	0.21	0.49	3.66	5.56	22.6	34.83	17.68	8.52	2.85
F3-89-P31	92	0	0	0	0	0	0	0	0.71	1.89	7.57	9.7	11.44	21.22	10.18	2.32	7.64
F3-89-P31	98	0	0	0	0	0	0	0	0.67	5.39	37.71	16.16	20.35	11.38	4.28	1.44	0.81
F3-89-P31	115	0	0	0	0	0.2	0.2	1.98	5.05	4.96	4.76	1.78	3.64	2.4	0.65	0.01	1.95
F3-89-P31	131	0	0	0	0	0	0	0	0	0	0	1.48	2.82	0	0.77	1.08	8.63
F3-89-P31	152	0	0	0	0	0	0	0	0.71	2.14	30.64	32.07	14.99	9.41	3.71	1.56	1.35
F3-89-P31	160	0	0	0	0	0	0	0	0	0	0	2.14	5.27	2.38	1.27	1.03	0.88

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-P30	30	0.72	10.03	17.39	18.03	15.5	32.58	0	0.15	33.74	66.11	99.85	8.99	3.8	1.95	-0.05
F3-89-P30	40	12.24	11.5	17.01	6.51	13.04	19.17	0	0.05	61.23	38.72	99.95	8	4.01	2	0.52
F3-89-P30	50	13.22	12.7	14.47	8.97	10.74	16.84	0	0.06	63.38	36.56	99.94	7.81	4.04	2.01	0.5
F3-89-P30	60	3.06	1.59	2.13	0.94	0.55	2.71	0	5.1	90.69	4.2	94.9	5.32	1.91	1.38	2.64
F3-89-P30	71	11.73	13.72	14.8	8.45	5.93	21.47	0	1.54	62.61	35.85	98.46	7.86	4.99	2.23	0.38
F3-89-P30	80	13.53	15.38	11.17	6.84	6.72	16.18	0	3.03	67.23	29.74	96.97	7.59	4.12	2.03	0.7
F3-89-P30	90	1.35	1.13	0.9	0.61	0.26	2.71	0	14.9	81.51	3.58	85.1	4.82	1.96	1.4	3.16
F3-89-P30	100	14.29	18.08	15.11	12.07	6.65	19.51	0	0.15	61.62	38.23	99.85	8.02	3.97	1.99	0.49
F3-89-P30	110	9.55	11.81	7.34	1.67	5.74	5.38	0	0.93	86.28	12.79	99.07	6.4	3.03	1.74	1.22
F3-89-P30	122	13.1	12.88	9.54	1.96	7.47	7.64	0	0.33	82.59	17.07	99.67	6.96	2.8	1.67	1.33
F3-89-P30	135	14.11	25.34	17.42	2.61	15.87	15.03	0	0.04	66.45	33.52	99.96	8.01	2.91	1.71	0.85
F3-89-P30	160	19.11	18.12	13.47	4	11.79	11.1	0	0.13	72.98	26.9	99.87	7.58	2.91	1.71	0.92
F3-89-P30	169	11.54	15.95	13.25	5.07	11.97	12.91	0	0.25	69.81	29.95	99.75	7.58	3.41	1.85	0.84
F3-89-P30	182	17.04	18.55	2.91	13.78	16.34	22.22	0	0.09	47.57	52.34	99.91	8.28	4.09	2.02	0.29
F3-89-P30	195	16.07	19.53	9.15	9.31	11.26	16.41	0	0.04	62.98	36.97	99.96	7.86	3.7	1.92	0.61
F3-89-P30	208	15.31	20.51	0.77	9.72	17.25	19.07	0	0.12	53.84	46.03	99.88	7.99	4.32	2.08	0.33
F3-89-P30	217	18.01	16.23	4	12.14	18.41	24.16	0	0.02	45.27	54.71	99.98	8.44	3.97	1.99	0.29
F3-89-P30	228	9.78	11.43	1.36	3.21	6.29	9.68	0	0.49	80.33	19.19	99.51	6.65	3.9	1.98	1.24
F3-89-P30	238	12.73	17.06	7.26	8.84	12.1	19.99	0	0.03	59.04	40.93	99.97	8.04	3.91	1.98	0.65
F3-89-P30	246	15.27	19.35	4.46	13.94	12.96	20.45	0	0.11	52.54	47.35	99.89	8.21	3.59	1.9	0.64
F3-89-P30	258	20.72	18.75	12.27	6.82	16.62	14.9	0	0.21	61.45	38.34	99.79	7.94	3.32	1.82	0.55
F3-89-P30	268	8.15	22.16	15.1	11.65	18.74	17.34	0	0.05	52.21	47.73	99.95	8.23	3.31	1.82	0.31
F3-89-P30	280	9.81	18.6	15.82	11.69	19.11	16.56	0	0.04	52.6	47.36	99.96	8.18	3.28	1.81	0.35
F3-89-P30	309	4.77	19.86	16.53	13.96	18.65	19.83	0	0.06	47.5	52.44	99.94	8.42	3.23	1.8	0.36
F3-89-P30	319	11.59	18.57	18.3	9.18	17.92	17.01	0	0	55.89	44.11	100	8.19	3.19	1.78	0.49
F3-89-P30	330	7.46	9.96	9.8	9.52	12.48	11.56	0	0.4	66.04	33.57	99.6	7.36	3.83	1.96	0.69
F3-89-P30	340	9.88	17.31	14.83	13.46	13.9	18.79	0	0.05	53.79	46.16	99.95	8.19	3.54	1.88	0.43
F3-89-P30	350	9.54	14.93	10.97	6.5	14.42	12.39	0	0.08	66.61	33.31	99.92	7.56	3.49	1.87	0.75
F3-89-P30	360	1.14	11.5	14.93	18.54	18.41	25.13	0	0	37.92	62.08	100	8.56	4.29	2.07	-0.15
F3-89-P30	370	16.37	17	8.24	12.99	15.25	16.85	0	0.02	54.9	45.08	99.98	8.06	3.41	1.85	0.57
F3-89-P30	380	13.92	17.45	14.03	8.9	19.4	18.75	0	0.01	52.94	47.05	99.99	8.26	3.38	1.84	0.45
F3-89-P30	390	14.05	17.96	17.63	10.7	10.45	17.63	0	0	61.22	38.78	100	8.05	3.51	1.87	0.55
F3-89-P30	400	15.73	20.09	13.63	12.18	9.48	16.1	0	0.02	62.23	37.75	99.98	7.96	3.33	1.82	0.67
F3-89-P30	407	12.63	11.86	13.96	5.95	10.63	12.6	0	0.18	70.65	29.18	99.82	7.48	3.58	1.89	0.8
F3-89-P30	417	12.65	20.62	12.16	11.09	11.16	15.84	0	0.68	61.22	38.1	99.32	7.87	3.69	1.92	0.47
F3-89-P30	430	15.02	17.48	13.88	7.32	11.95	14.81	0	0.07	65.86	34.08	99.93	7.83	3.29	1.82	0.77
F3-89-P31	15	9.59	15.64	24.56	11.16	16.95	15.53	0	0.2	56.16	43.63	99.8	8.18	3	1.73	0.41
F3-89-P31	25	14.15	16.98	18.81	12.25	18.13	14.02	0	0.07	55.53	44.4	99.93	8.13	2.73	1.65	0.58
F3-89-P31	35	11.56	19.81	14.25	9.34	12.78	10.74	0	0.2	66.93	32.86	99.8	7.68	2.83	1.68	0.75
F3-89-P31	48	13.89	23.28	15.69	10.72	16.72	13.58	0	0.09	58.89	41.02	99.91	8.04	2.79	1.67	0.62
F3-89-P31	63	4.38	19.7	17.53	13.79	24.06	14.25	0	0.02	47.89	52.09	99.98	8.27	2.68	1.64	0.36
F3-89-P31	73	1.29	16.6	17.81	17.25	22.64	14.84	0	0.03	45.25	54.72	99.97	8.22	3.14	1.77	0.06
F3-89-P31	83	1.47	0.73	0.42	0.27	0.25	0.46	0	9.92	89.11	0.97	90.08	4.84	0.84	0.91	2.26
F3-89-P31	92	6.94	6.4	3.91	2.66	3.5	3.94	0	19.87	70.03	10.1	80.13	5.53	3.74	1.93	1.18
F3-89-P31	98	0.49	0.34	0.25	0.23	0.24	0.26	0	59.93	39.34	0.73	40.07	3.91	0.9	0.95	2.51
F3-89-P31	115	10.66	14.39	11.39	12.28	10.19	13.49	0	18.93	45.1	35.97	81.07	7.04	7.33	2.71	-0.25
F3-89-P31	131	14.43	18.27	13.59	10.08	15.09	13.75	0	1.48	59.59	38.92	98.52	7.9	3.15	1.77	0.56
F3-89-P31	152	0.88	0.82	0.4	0.45	0.44	0.42	0	65.57	33.13	1.31	34.43	4	1.11	1.05	2.91
F3-89-P31	160	6.01	20.96	13.81	12.32	15.47	18.47	0	2.14	51.6	46.26	97.86	8.09	4.12	2.03	0.12

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-P30	30	2.39	8.45	8.93	1.97	0.32	1.58
F3-89-P30	40	2.53	7.62	7.77	1.92	0.2	1.51
F3-89-P30	50	2.77	7.53	7.62	1.88	0.13	1.59
F3-89-P30	60	11.73	4.97	5.13	0.96	0.39	1.53
F3-89-P30	71	2.34	7.52	7.71	2.21	0.18	1.56
F3-89-P30	80	2.92	7.2	7.37	1.89	0.23	1.46
F3-89-P30	90	14.99	4.54	4.62	0.88	0.32	2.44
F3-89-P30	100	2.73	7.6	7.9	1.9	0.25	1.96
F3-89-P30	110	4.54	6.11	6.18	1.42	0.18	0.86
F3-89-P30	122	4.65	6.6	6.84	1.43	0.35	1.21
F3-89-P30	135	3.36	7.53	7.77	1.36	0.46	1.37
F3-89-P30	160	3.88	7.22	7.36	1.52	0.23	1.54
F3-89-P30	169	3.21	7.29	7.29	1.66	0.18	1.14
F3-89-P30	182	2.42	8.2	8.27	1.98	0.08	1.72
F3-89-P30	195	2.94	7.37	7.61	1.79	0.25	1.7
F3-89-P30	208	2.53	7.42	7.77	1.97	0.28	1.76
F3-89-P30	217	2.31	8.29	8.39	1.99	0.11	1.59
F3-89-P30	228	3.91	6.23	6.68	1.78	0.41	1.3
F3-89-P30	238	2.46	7.43	7.77	1.84	0.37	1.34
F3-89-P30	246	2.47	7.7	7.98	1.71	0.37	1.42
F3-89-P30	258	3.22	7.52	7.77	1.59	0.29	1.61
F3-89-P30	268	3.19	7.92	8.06	1.69	0.15	2.52
F3-89-P30	280	3.14	7.91	7.97	1.65	0.11	1.89
F3-89-P30	309	2.95	8.09	8.31	1.66	0.24	2.43
F3-89-P30	319	3.08	7.8	7.95	1.64	0.2	2.17
F3-89-P30	330	2.94	7.18	7.05	1.8	0.05	1.08
F3-89-P30	340	2.84	7.86	8.02	1.74	0.19	1.94
F3-89-P30	350	3.07	7.32	7.3	1.64	0.14	1.08
F3-89-P30	360	2.72	8.33	8.59	2.02	0.14	2.36
F3-89-P30	370	2.89	7.7	7.82	1.69	0.19	1.79
F3-89-P30	380	2.81	7.88	8.04	1.73	0.22	1.89
F3-89-P30	390	2.98	7.66	7.89	1.69	0.26	1.86
F3-89-P30	400	3.16	7.55	7.73	1.66	0.24	1.83
F3-89-P30	407	3.17	7.21	7.23	1.7	0.16	1.21
F3-89-P30	417	3.06	7.51	7.65	1.76	0.17	1.79
F3-89-P30	430	3.19	7.44	7.56	1.57	0.27	1.35
F3-89-P31	15	3.5	7.85	7.93	1.56	0.14	2.06
F3-89-P31	25	3.63	7.84	7.83	1.35	0.18	1.52
F3-89-P31	35	3.79	7.43	7.51	1.58	0.13	1.47
F3-89-P31	48	3.66	7.69	7.76	1.46	0.17	1.73
F3-89-P31	63	3.74	8.08	8.05	1.37	0.05	1.89
F3-89-P31	73	3.55	8.14	8.06	1.55	-0.07	2.25
F3-89-P31	83	16.28	4.73	4.82	0.7	0.17	1.58
F3-89-P31	92	4.46	4.94	5.36	1.69	0.37	0.91
F3-89-P31	98	16.02	3.69	3.87	0.68	0.4	0.9
F3-89-P31	115	2.49	7.41	6.49	2.76	-0.3	1.11
F3-89-P31	131	3.45	7.58	7.63	1.5	0.19	1.46
F3-89-P31	152	16.24	3.71	3.85	0.75	0.47	1.19
F3-89-P31	160	2.86	7.85	8	1.85	0.13	2.37

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-P31	170	0	0	0	0	0	0	0	0	0	0	1.52	3.43	2.56	0.28	0	0
F3-89-P31	180	0	0	0	0	0	0	0	0	0	0	0.5	4.67	2.36	0.73	0.62	8.86
F3-89-P31	183	0	0	0	0	0	0	0	0	0	0	1.18	4.54	3.05	1.6	0.86	0.69
F3-89-P31	190	0	0	0	0	0	0	0	0	0	0	2.35	25.08	33.01	19.13	7.97	3.63
F3-89-P31	193	0	0	0	0	0	0	0	0	0	0	2.19	3.46	8.21	8.42	10.7	4.21
F3-89-P31	200	0	0	0	0	0	0.12	1.12	8.31	12.53	1.36	0.99	2.2	28.71	12.25	12.2	7.49
F3-89-P31	204	0	0	0	0	0	0.4	2.41	31.72	40.55	3.21	1.61	2.63	8.16	5.07	2.32	0.91
F3-89-P31	205	0	0	0	0	0	0.44	2.22	25.79	52.47	5.34	1.78	4.33	2.44	1.74	0.57	0.49
F3-89-P31	208	0	0	0	0	0	0	3.3	37.25	48.09	4.24	0.47	2.34	2.43	0.72	0.36	0.16
F3-89-P31	210	0	0	0	0	0	0	0	0	0	0	0.22	4.22	3.9	0.45	0.68	0.48
F3-89-P31	212	0	0	0	0	0	0.45	4.55	40.93	39.11	4.09	0.91	2.48	3.52	2.02	0.8	0.21
F3-89-P31	216	0	0	0	0	0	0	0	0	0	0	0.4	0.48	0.82	28.95	24.27	15.91
F3-89-P31	220	0	0	0	0	0	0	0	0	0	0	2.58	4.78	1.49	1.06	0.02	0.56
F3-89-P31	230	0	0	0	0	0	0	0	0	0	0	3.24	3.99	0.55	0.27	7.29	6.36
F3-89-P31	240	0	0	0	0	0	0	0	0	0	0	2.52	1.38	2.34	0.9	0.61	7.8
F3-89-P31	250	0	0	0	0	0	0	0	0	0	0	2.26	6.52	2.82	2.42	0.63	0.27
F3-89-P31	260	0	0	0	0	0	0	0	0	0	0	3.55	6.2	0.78	0.89	1.19	0.53
F3-89-P31	270	0	0	0	0	0	0	0	0	0	0	0.55	5.91	2	1.73	0.3	0.47
F3-89-P31	310	0	0	0	0	0	0	0	0	0	0	0.97	1.92	2.74	4.24	8.56	10.1
F3-89-P31	320	0	0	0	0	0	0	0	0	0	0	0.09	5.2	3.26	0.91	0.82	0.71
F3-89-P31	330	0	0	0	0	0	0	0	0	0	0	0.32	4.27	1.33	1.61	0.03	0.48
F3-89-P31	340	0	0	0	0	0	0	0	0	0	0	0.01	2.52	2.04	0.82	0.77	0.53
F3-89-P31	350	0	0	0	0	0	0	0	0	0	0	0.09	2.32	1.7	0.85	1.28	0.65
F3-89-P31	360	0	0	0	0	0	0	0	0	0	0	0.03	3.56	2.1	0.42	0.64	5.39
F3-89-P31	370	0	0	0	0	0	0	0	0	0	0	0.36	1.49	1.46	20.64	9.67	9.72
F3-89-P31	380	0	0	0	0	0	0	0	0	0	0	0.62	3.97	2.78	1.68	1.4	2.31
F3-89-P31	390	0	0	0	0	0	0	0	0	0	0	0.28	4.13	2.09	4.79	10.86	12.23
F3-89-P31	400	0	0	0	0	0	0	0	0	0	0	0.04	4.25	2.79	1.62	0.28	0.45
F3-89-P31	410	0	0	0	0	0	0	0	0	0	0	0.14	1.78	1.34	0	0.31	12.14
F3-89-P31	420	0	0	0	0	0	0	0	0	0	0	0.08	2.18	2.47	0.64	0.68	17.79
F3-89-P31	430	0	0	0	0	0	0	0	0	0	0	0.11	4.08	1.44	1.12	0.61	10.32
F3-89-P31	457	0	0	0	0	0	0	0	0	0	0	0.09	2.5	1.83	0.48	0.65	19.72
F3-89-P31	475	0	0	0	0	0	0	0	0	0	0	0.34	1.47	1.83	0.77	0.99	13.89
F3-89-P31	480	0	0	0	0	0	1.13	3.4	6.23	9.63	5.1	2.55	7.98	4.99	9.59	4.82	9.15
F3-89-P37	26	0	0	0	0	0	0	0	0	0	0	0.69	3.41	1.04	1.11	0.4	0.44
F3-89-P37	57	0	0	0	1.64	8.59	11.46	18.01	18.42	14.73	5.73	2.46	3.3	3.26	3.54	1.75	1.41
F3-89-P38	15	0	0	0	0	0	0	0	0	0	0	1.69	3.91	1.23	8.63	7.37	8.6
F3-89-P38	25	0	0	0	0	0	0	0	0	0	0	0	1.73	15.85	5.48	11.4	9
F3-89-P38	35	0	0	0	0	0	0	0	0	0	0	0	2.46	3.66	6.76	9.29	8.24
F3-89-P38	45	0	0	0	0	0	0	0	0	0	0	0.64	2.2	3.36	1.04	0.71	4.06
F3-89-P38	55	0	0	0	0	0	0	0	0	0	0	0.14	1.77	1.97	0.95	0.94	0.49
F3-89-P38	65	0	0	0	0	0	0	0	0	0	0	0.21	1.49	0	0.77	0.66	0.79
F3-89-P38	75	0	0	0	0	0	0	0	0	0	0	0.2	3.83	1.61	0	0.75	0.81
F3-89-P38	85	0	0	0	0	0	0	0	0	0	0	0.55	2.95	2.05	4.43	9.93	10.02
F3-89-P38	95	0	0	0	0	0	0	0	0	0	0	0.11	3.16	1.46	11.52	9.5	11.11
F3-89-P38	105	0	0	0	0	0	0	0	0	0	0	0.12	5.4	1.75	2.08	1.28	2.31
F3-89-P38	115	0	0	0	0	0	0	0	0	0	0	0.02	3.7	2.45	1.15	0.38	1.26
F3-89-P38	125	0	0	0	0	0	0	0	0	0	0	0.08	5.16	2.06	0.99	0.27	6.47

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-P31	170	6.58	17.24	18.34	14.56	15.66	19.84	0	1.52	48.43	50.06	98.48	8.31	3.69	1.92	0.15
F3-89-P31	180	14.48	20.72	9.94	11.17	10.12	15.85	0	0.5	62.36	37.14	99.5	7.84	3.68	1.92	0.56
F3-89-P31	183	11.16	17.72	16.05	14.69	14.24	14.22	0	1.18	55.66	43.15	98.82	7.93	3.47	1.86	0.27
F3-89-P31	190	1.52	1.52	1.67	1.59	1.07	1.46	0	2.35	93.53	4.12	97.65	5.15	1.47	1.21	2.8
F3-89-P31	193	5.98	14.02	12.73	8.98	9.59	11.52	0	2.19	67.72	30.09	97.81	7.25	4.15	2.04	0.6
F3-89-P31	200	5.02	1.65	0.98	1.89	1.29	1.9	0	24.44	70.48	5.08	75.56	4.92	3.17	1.78	0.78
F3-89-P31	204	0.41	0.17	0.08	0.13	0.09	0.13	0	79.9	19.75	0.35	20.1	3.08	1.35	1.16	1.9
F3-89-P31	205	0.33	0.59	0.34	0.42	0.3	0.41	0	88.05	10.83	1.13	11.95	2.96	1.3	1.14	3.6
F3-89-P31	208	0.13	0.09	0.14	0.11	0.04	0.11	0	93.36	6.38	0.26	6.64	2.71	0.59	0.77	4.17
F3-89-P31	210	3.8	20.91	14.42	9.49	22.98	18.45	0	0.22	48.86	50.92	99.78	8.27	3.64	1.91	0.14
F3-89-P31	212	0.19	0.12	0.19	0.16	0.12	0.15	0	90.04	9.53	0.44	9.96	2.76	0.91	0.95	3.31
F3-89-P31	216	9.37	6.46	3.46	3.44	3.24	3.21	0	0.4	89.72	9.88	99.6	6.29	1.8	1.34	2.05
F3-89-P31	220	2.88	10.44	15.71	17.75	18.44	24.29	0	2.58	36.94	60.48	97.42	8.5	4.34	2.08	-0.17
F3-89-P31	230	11.1	12.05	15.27	11.79	13.89	14.2	0	3.24	56.87	39.89	96.76	7.78	3.81	1.95	0.33
F3-89-P31	240	15.29	16.78	13.31	11.77	14.72	12.57	0	2.52	58.41	39.07	97.48	7.82	3.17	1.78	0.47
F3-89-P31	250	0.35	6.72	17.81	15.38	23.7	21.1	0	2.26	37.55	60.19	97.74	8.34	4.51	2.12	-0.23
F3-89-P31	260	1.13	7.89	15.86	19.45	23.16	19.38	0	3.55	34.46	61.99	96.45	8.32	4.23	2.06	-0.27
F3-89-P31	270	2.93	15.19	19.06	13.5	18.32	20.06	0	0.55	47.58	51.88	99.45	8.3	3.92	1.98	0.04
F3-89-P31	310	11.88	12.26	13.32	9.91	10.83	13.26	0	0.97	65.02	34.01	99.03	7.61	3.6	1.9	0.68
F3-89-P31	320	7.36	22.22	13.65	7.34	17.51	20.93	0	0.09	54.12	45.79	99.91	8.23	4.09	2.02	0.21
F3-89-P31	330	5.05	23.92	18.79	7.71	14.01	22.49	0	0.32	55.48	44.2	99.68	8.35	3.88	1.97	0.27
F3-89-P31	340	6.56	20.09	16.66	8.74	16.72	24.55	0	0.01	49.98	50	99.99	8.52	3.75	1.94	0.28
F3-89-P31	350	14.61	25.36	12.67	6.26	14.77	19.45	0	0.09	59.43	40.48	99.91	8.19	3.48	1.87	0.58
F3-89-P31	360	14.54	20.28	11.87	7.82	13.65	19.71	0	0.03	58.79	41.18	99.97	8.13	3.79	1.95	0.5
F3-89-P31	370	13.04	8.94	9.3	4.9	8.22	12.27	0	0.36	74.25	25.39	99.64	7.18	3.91	1.98	1
F3-89-P31	380	16.88	17.13	12.95	4.08	13.01	23.18	0	0.62	59.1	40.28	99.38	8.16	4.49	2.12	0.34
F3-89-P31	390	11.32	13.45	10.98	6.37	9.49	14.01	0	0.28	69.85	29.88	99.72	7.48	3.9	1.98	0.77
F3-89-P31	400	14.57	18.06	19.19	7.59	10.84	20.32	0	0.04	61.21	38.74	99.96	8.14	3.93	1.98	0.41
F3-89-P31	410	14.99	17.03	16.79	10.07	10.93	14.49	0	0.14	64.37	35.49	99.86	7.92	2.98	1.73	0.86
F3-89-P31	420	14.32	15.33	13.24	8.09	6.97	18.2	0	0.08	66.64	33.27	99.92	7.87	3.79	1.95	0.78
F3-89-P31	430	22.94	17.5	13.58	7.55	6.61	14.14	0	0.11	71.58	28.31	99.89	7.68	3.32	1.82	0.86
F3-89-P31	457	21.34	20.76	7.91	6.94	5.29	12.49	0	0.09	75.19	24.72	99.91	7.52	3.02	1.74	1.15
F3-89-P31	475	33.6	12.33	10.92	7.25	3.56	13.07	0	0.34	75.79	23.87	99.66	7.55	3.02	1.74	1.23
F3-89-P31	480	10.09	7.05	4.9	4.06	3.5	5.82	0	28.04	58.58	13.38	71.96	5.55	6.01	2.45	0.49
F3-89-P37	26	6.62	20.61	18.43	12.91	16.5	17.84	0	0.69	52.06	47.25	99.31	8.26	3.28	1.81	0.33
F3-89-P37	57	1.4	1.5	0.7	0.74	0.64	0.71	0	81.04	16.87	2.09	18.96	2.75	3.43	1.85	1.73
F3-89-P38	15	11.01	10.92	11.46	9.44	11.83	13.9	0	1.69	63.14	35.16	98.31	7.54	4.08	2.02	0.56
F3-89-P38	25	10.02	13.12	8.09	7.75	9.03	8.53	0	0	74.69	25.31	100	7	3.51	1.87	0.87
F3-89-P38	35	11.93	12.25	12.9	9.09	12.28	11.14	0	0	67.49	32.51	100	7.48	3.4	1.84	0.72
F3-89-P38	45	12	17.9	13.34	13.39	15.6	15.75	0	0.64	54.62	44.74	99.36	8.05	3.34	1.83	0.44
F3-89-P38	55	14.09	18.18	17	12.65	15.62	16.21	0	0.14	55.38	44.48	99.86	8.17	3	1.73	0.59
F3-89-P38	65	13.2	18.24	17.35	13.81	15.93	17.55	0	0.21	52.5	47.29	99.79	8.31	2.84	1.68	0.71
F3-89-P38	75	10.02	20.32	16.68	11.86	15.16	18.77	0	0.2	54.01	45.79	99.8	8.25	3.42	1.85	0.39
F3-89-P38	85	11.06	13.73	9.85	14.07	8.59	12.76	0	0.55	64.03	35.42	99.45	7.56	3.56	1.89	0.71
F3-89-P38	95	8.07	10.86	12.06	7.92	8.78	15.46	0	0.11	67.73	32.17	99.89	7.52	4.22	2.05	0.73
F3-89-P38	105	11.87	13.37	17.91	12.01	11.8	20.12	0	0.12	55.96	43.92	99.88	8.14	4.05	2.01	0.3
F3-89-P38	115	14.36	18.99	22.41	7.86	9.33	18.11	0	0.02	64.69	35.29	99.98	8.06	3.54	1.88	0.54
F3-89-P38	125	11.55	13.86	19.23	6.86	14.83	18.63	0	0.08	59.59	40.33	99.92	8.07	3.88	1.97	0.37

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-P31	170	3.04	8	8.22	1.81	0.18	2.47
F3-89-P31	180	3.04	7.42	7.6	1.76	0.21	1.76
F3-89-P31	183	3.28	7.78	7.76	1.63	0.03	1.9
F3-89-P31	190	13.1	4.83	4.94	0.89	0.45	1.62
F3-89-P31	193	2.87	7.3	7	1.89	-0.05	1.04
F3-89-P31	200	5.09	4.91	4.64	1.75	-0.08	1.48
F3-89-P31	204	7.97	2.69	3.18	1.09	0.65	2.02
F3-89-P31	205	20.52	2.71	2.72	0.65	0.36	3.47
F3-89-P31	208	31.95	2.6	2.51	0.49	0.02	1.72
F3-89-P31	210	2.96	8.05	8.21	1.73	0.15	2.87
F3-89-P31	212	19.93	2.55	2.66	0.54	0.66	4.53
F3-89-P31	216	8.09	5.88	6.13	1.06	0.46	1.16
F3-89-P31	220	2.82	8.3	8.56	2	0.14	2.44
F3-89-P31	230	3.05	7.67	7.51	1.83	-0.04	1.59
F3-89-P31	240	3.54	7.58	7.58	1.56	0.07	1.62
F3-89-P31	250	2.78	8.34	8.54	1.83	0.13	3
F3-89-P31	260	3.09	8.32	8.41	1.8	0.05	3.39
F3-89-P31	270	2.9	8.07	8.29	1.82	0.17	2.47
F3-89-P31	310	3.07	7.39	7.34	1.71	0.1	1.29
F3-89-P31	320	2.62	7.81	8.13	1.92	0.24	2.06
F3-89-P31	330	2.67	7.79	8.28	1.87	0.36	2.24
F3-89-P31	340	2.47	8	8.43	1.87	0.33	1.88
F3-89-P31	350	2.77	7.58	7.97	1.7	0.41	1.68
F3-89-P31	360	2.67	7.61	7.95	1.87	0.29	1.82
F3-89-P31	370	3.2	6.75	6.91	1.76	0.32	1
F3-89-P31	380	2.33	7.54	8.11	1.99	0.39	1.57
F3-89-P31	390	2.98	7.16	7.25	1.82	0.18	1.27
F3-89-P31	400	2.69	7.64	8	1.89	0.29	1.88
F3-89-P31	410	3.39	7.56	7.64	1.44	0.29	1.36
F3-89-P31	420	2.78	7.38	7.66	1.8	0.32	1.44
F3-89-P31	430	3.48	7.25	7.49	1.63	0.29	1.86
F3-89-P31	457	3.97	7.04	7.3	1.46	0.42	1.59
F3-89-P31	475	4	6.95	7.3	1.41	0.54	1.71
F3-89-P31	480	2.96	5.47	5.31	2.35	-0.01	0.84
F3-89-P37	26	3.22	7.92	8.1	1.64	0.21	2.5
F3-89-P37	57	6.73	2.27	2.67	1.71	0.43	1.63
F3-89-P38	15	2.81	7.35	7.22	1.91	0.04	1.24
F3-89-P38	25	3.4	6.84	6.77	1.82	0.1	1.01
F3-89-P38	35	3.19	7.31	7.26	1.74	0.09	1.16
F3-89-P38	45	3.12	7.8	7.84	1.64	0.11	1.76
F3-89-P38	55	3.23	7.83	7.9	1.52	0.2	1.66
F3-89-P38	65	3.14	7.92	8.04	1.37	0.38	1.66
F3-89-P38	75	3.01	7.86	8.08	1.74	0.22	2.18
F3-89-P38	85	3.13	7.32	7.28	1.7	0.1	1.28
F3-89-P38	95	2.7	7.25	7.23	1.89	0.17	1.11
F3-89-P38	105	2.65	7.82	8.07	1.88	0.2	1.91
F3-89-P38	115	2.99	7.6	7.88	1.76	0.27	1.99
F3-89-P38	125	2.75	7.68	7.88	1.88	0.19	1.86

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-P38	135	0	0	0	0	0	0	0	0	0	0	0.03	2.85	2.54	1.52	0.72	0.29
F3-89-P38	160	0	0	0	0	0	0	0	0	0	0	0.19	7.71	3.21	2.7	1.38	0.34
F3-89-P38	170	0	0	0	0	0	0	0	0	0	0	0.31	8.39	1.11	1.54	1.51	0.74
F3-89-P38	180	0	0	0	0	0	0	0	0	0	0	0	5.74	2.55	1.48	2.03	0.71
F3-89-P38	190	0	0	0	0	0	0	0	0	0	0	0	10.3	1.3	1.15	0.74	1.28
F3-89-P38	200	0	0	0	0	0	0	0	0	0	0	0.11	6.61	2.98	1.81	1.21	4.67
F3-89-P38	210	0	0	0	0	0	0	0	0	0	0	0.05	4.33	2.44	1.64	0.98	0.24
F3-89-P38	220	0	0	0	0	0	0	0	0	0	0	0	5.63	3.96	1.54	0.02	0.71
F3-89-P38	230	0	0	0	0	0	0	0	0	0	0	0.02	22.59	22.99	16.17	8.33	5.15
F3-89-P38	235	0	0	0	0	0	0	0	0	0	0	0.48	1.91	1.91	0.93	2.41	9.59
F3-89-P39	65	0	0	0	0	0	0	0	0	0	0	1.02	0.45	2.27	1.91	1.38	7.61
F3-89-P39	80	0	0	0	0	0	0	0	0	0	0	0.33	1.12	1.57	5.66	11.29	9.14
F3-89-P39	110	0	0	0	0	0	0	0	0	0	0	1.26	3.51	3.79	2.03	1.52	0.67
F3-89-P39	120	0	0	0	0	0	0	0	0	0	0	0.41	2.17	2.59	1.39	5.5	5.05
F3-89-P40	1	0	0	0	0	0	0	0	0	0	0	3.49	8.52	18.64	19.7	11.71	8.66
F3-89-P40	11	0	0	0	0	0	0	0	0	0	0	5.79	1.91	2.13	1.62	2.54	3.8
F3-89-P40	21	0	0	0	0	0	0.15	0.3	0.74	1.78	8.15	13.77	11.78	23.75	17.14	9.89	4.13
F3-89-P40	31	0	0	0	0	0.64	1.28	2.88	5.13	6.57	7.05	5.93	11.13	25.94	12.19	8.09	2.98
F3-89-P40	41	0	0	0	0	2.92	6.82	16.07	19.48	23.86	15.58	8.76	2.98	1.01	0.03	0.23	0.31
F3-89-P40	51	0	0	0	0.26	2.06	3.6	8.48	10.8	12.34	8.74	3.86	1.24	0.97	2.33	5.54	3.94
F3-89-P40	56	0	0	0	0.38	1.14	1.52	3.93	5.2	6.21	4.18	2.03	3.33	2.08	0.37	5.8	13.26
F3-89-P40	61	0	0	0	0	0	0	0	0	0	0	6.41	5.41	6.17	11.47	14.76	8.5
F3-89-P40	66	0	0	0	0.07	0.53	0.72	2.3	2.82	2.89	2.1	1.18	1.73	1.6	3.09	12.8	14.5
F3-89-P40	162	0	0	0	0	0	0	0	0	0	0	0.3	0.3	2.2	0.43	2.07	18.75
F3-89-P40	170	2.35	0	0	0.77	1.24	1.85	5.56	6.33	7.41	4.17	2.62	1.82	15.9	13.34	13.64	6.13
F3-89-P40	175	0.86	0	0	0	0	0.85	4.6	16.37	21.14	11.59	7.84	13.29	11.65	4.88	1.95	1.24
F3-89-P40	185	0	0	0	0.46	2.32	8.81	20.4	23.18	22.72	9.27	4.17	2.82	1.54	0.99	0.56	0.67
F3-89-P40	195	0	0	0	1.42	8.5	10.86	19.83	19.83	21.25	8.5	3.31	2.48	1.69	0.59	0.35	0.28
F3-89-P40	205	0	0	0	3.25	7.89	7.42	18.09	19.95	22.27	9.28	3.71	2.29	1.43	1.36	0.86	0.44
F3-89-P40	215	1.13	1.37	0.46	1.83	5.5	8.24	16.95	22.44	22.9	7.79	3.66	1.55	2.28	0.96	0.83	0.65
F3-89-P40	224	0	0	0	0.95	6.62	8.04	20.34	23.18	24.6	8.04	2.74	1.31	1.55	0.65	0.41	0.41
F3-89-P40	235	0	0	0	0.77	1.16	1.36	5.23	8.33	11.04	6.97	2.71	2.51	14.2	6.35	5.59	7.73
F3-89-P40	250	0	0	0	0.33	0.33	1.34	4.34	8.02	10.02	6.01	2.67	1.44	0.69	0.89	0.29	0.66
F3-89-P44	16	0	0	0	0	0	0	0	0	0	0	8.98	3.23	1.89	0.53	0.81	0.93
F3-89-P44	20	0	0	0	0	0	0	0	0	0	0	9.72	5.01	0.63	0.72	0.96	0.62
F3-89-P44	28	0	0	0	0	0	0	0	0	0	0	12.01	1.13	3.98	13.73	7.49	4.72
F3-89-P44	40	0	0	0	0	0	0	0	0	0	0	10.67	1.3	0.66	2.52	10.2	7.49
F3-89-P44	50	0	0	0	0	0	0	0	0	0	0	10.04	23.81	4.5	16.78	3.3	0.18
F3-89-P44	60	0	0	0	0	0	0	0	0	0	0	9.42	12.81	7.56	12.67	8.5	2.23
F3-89-P44	70	0	0	0	0	0	0	0	0	0	0	9.62	1.33	4.45	4.4	13.63	4.24
F3-89-P44	82	0	0	0	0	0	0	0	0	0	0	7.56	3.21	1	0.7	0.43	3.72
F3-89-P44	88	0	0	0	0	0	0	0	0	0.39	3.14	5.3	7.39	22.29	8.72	12.98	11.39
F3-89-P44	103	0	0	0	0	0	0	0	0	0.35	2.98	3.79	3.2	5.61	20.5	15.76	9.7
F3-89-P44	114	0	0	0	0	0	0	0	0	0.3	2.5	3.16	7.78	13.97	19.25	12.35	11.13
F3-89-P44	126	0	0	0	0	0	0	0	0	0	0	0.45	2.28	2.26	0.44	5.07	18.82
F3-89-P44	137	0	0	0	0	1.1	1.98	6.6	9.23	11.43	7.7	4.18	3.77	1.38	0.81	4.66	4.66

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-P38	135	10.08	17.55	14.78	11.33	15.68	22.65	0	0.03	50.32	49.66	99.97	8.39	3.82	1.95	0.29
F3-89-P38	160	0.28	0.67	28.46	3.76	20.61	30.69	0	0.19	44.75	55.07	99.81	8.65	5.23	2.29	-0.27
F3-89-P38	170	0.81	2.56	24.45	13.68	9.92	34.99	0	0.31	41.1	58.59	99.69	8.79	5.34	2.31	-0.3
F3-89-P38	180	0.23	6.94	20.91	12.78	11.96	34.67	0	0	40.59	59.41	100	8.83	5	2.24	-0.24
F3-89-P38	190	0	0.54	16.72	12.78	13.73	41.46	0	0	32.03	67.97	100	9.04	5.84	2.42	-0.55
F3-89-P38	200	6.98	11.11	17.16	11.35	11.96	24.05	0	0.11	52.53	47.36	99.89	8.24	4.75	2.18	0.14
F3-89-P38	210	1.34	18.67	14.24	14.18	22.39	19.5	0	0.05	43.88	56.07	99.95	8.38	3.57	1.89	0.09
F3-89-P38	220	2.05	14.85	18.44	14.71	20.73	17.36	0	0	47.2	52.8	100	8.22	3.68	1.92	0.04
F3-89-P38	230	5.76	6.58	1.9	2.98	4.22	3.33	0	0.02	89.45	10.53	99.98	5.71	2.74	1.65	1.69
F3-89-P38	235	10.72	11.77	17.14	10.93	16.87	15.35	0	0.48	56.38	43.14	99.52	8.02	3.27	1.81	0.53
F3-89-P39	65	14.09	16.72	15.25	8.06	10.94	20.32	0	1.02	59.67	39.32	98.98	8.12	3.8	1.95	0.57
F3-89-P39	80	15.15	14.04	13.36	6.51	7.83	13.99	0	0.33	71.33	28.34	99.67	7.56	3.56	1.89	0.91
F3-89-P39	110	1.41	16.51	20.21	5.12	16.8	27.15	0	1.26	49.65	49.08	98.74	8.49	4.69	2.17	-0.01
F3-89-P39	120	11.76	14.69	19.42	5.8	11.7	19.52	0	0.41	62.57	37.02	99.59	8.05	3.93	1.98	0.52
F3-89-P40	1	9.04	6.37	2.82	3.61	1.32	6.12	0	3.49	85.46	11.05	96.51	6.03	3.22	1.79	1.65
F3-89-P40	11	21.36	14.05	10.42	14.23	2.39	19.76	0	5.79	57.82	36.39	94.21	7.79	4.73	2.17	0.39
F3-89-P40	21	2.29	1.92	0.64	1.34	0.69	1.56	0	24.88	71.54	3.58	75.12	4.9	1.98	1.41	1.79
F3-89-P40	31	2.49	2.13	1.35	1.74	1.25	1.22	0	29.49	66.3	4.21	70.51	4.64	2.84	1.68	0.84
F3-89-P40	41	0.4	0.39	0.34	0.32	0.26	0.24	0	93.49	5.69	0.82	6.51	2.69	1.37	1.17	2.4
F3-89-P40	51	8.97	4.17	7.28	6.3	4.77	4.34	0	50.14	34.45	15.41	49.86	4.92	7.9	2.81	0.46
F3-89-P40	56	14.24	7.61	9.41	6.75	4.66	7.9	0	24.6	56.1	19.3	75.4	6.13	7	2.65	-0.02
F3-89-P40	61	16.69	6.42	7.56	4.01	5.17	7.43	0	6.41	76.98	16.6	93.59	6.56	3.62	1.9	1.02
F3-89-P40	66	13.71	10.83	8.58	6.41	4.73	9.4	0	12.61	66.85	20.54	87.39	6.66	5.37	2.32	0.04
F3-89-P40	162	22.29	13.14	11.63	8.9	6.82	13.15	0	0.3	70.83	28.87	99.7	7.65	3	1.73	1.14
F3-89-P40	170	7.04	2.54	2.04	1.87	1.14	2.26	2.35	29.95	62.44	5.26	67.7	4.7	5.29	2.3	-0.09
F3-89-P40	175	1.16	0.78	0.44	0.45	0.31	0.58	0.86	62.4	35.4	1.34	36.73	3.55	2.37	1.54	0.86
F3-89-P40	185	0.57	0.42	0.34	0.21	0.19	0.37	0	91.33	7.9	0.77	8.67	2.58	1.61	1.27	2.59
F3-89-P40	195	0.47	0.23	0.09	0.14	0.04	0.16	0	93.48	6.18	0.34	6.52	2.32	1.34	1.16	1.86
F3-89-P40	205	0.75	0.28	0.23	0.28	0.03	0.21	0	91.85	7.63	0.52	8.15	2.43	1.69	1.3	1.78
F3-89-P40	215	0.47	0.21	0.43	0.13	0.1	0.13	1.13	91.14	7.37	0.36	7.73	2.37	1.79	1.34	1.14
F3-89-P40	224	0.33	0.32	0.16	0.11	0.07	0.15	0	94.53	5.14	0.33	5.47	2.37	1.22	1.11	2.13
F3-89-P40	235	7.86	5.21	3.76	2.9	2.33	3.97	0	37.58	53.21	9.21	62.42	4.96	5.85	2.42	0.58
F3-89-P40	250	0.25	0.41	17.76	16.3	18	10.24	0	33.07	22.39	44.53	66.93	6.57	9.64	3.1	-0.27
F3-89-P44	16	5.82	0.51	30.64	13.51	21.22	11.95	0	8.98	44.35	46.67	91.02	7.84	4.07	2.02	-0.31
F3-89-P44	20	6.19	1.73	25.94	17.2	15.21	16.06	0	9.72	41.81	48.46	90.28	7.89	4.82	2.2	-0.21
F3-89-P44	28	7.45	1.36	26.63	7.37	9.83	4.29	0	12.01	66.49	21.49	87.99	6.76	3.5	1.87	0.23
F3-89-P44	40	7.48	1.55	28.2	11.37	13.04	5.5	0	10.67	59.41	29.91	89.33	7.19	3.36	1.83	-0.04
F3-89-P44	50	3.48	1.83	15.52	8.69	8.73	3.15	0	10.04	69.39	20.57	89.96	6.1	3.97	1.99	0.66
F3-89-P44	60	7.81	1.6	21.32	7.09	5.31	3.69	0	9.42	74.5	16.09	90.58	6.32	3.56	1.89	0.57
F3-89-P44	70	4.95	1.4	23.79	13.12	13.66	5.4	0	9.62	58.19	32.19	90.38	7.09	3.56	1.89	0.07
F3-89-P44	82	7.93	3.77	27.83	18.93	18.25	6.66	0	7.56	48.6	43.84	92.44	7.65	3.08	1.76	-0.41
F3-89-P44	88	9.53	5.74	5.15	2.84	2.9	2.24	0	8.83	83.19	7.98	91.17	5.8	2.49	1.58	1.09
F3-89-P44	103	11.75	7.86	6.66	3.6	4	4.25	0	7.11	81.04	11.85	92.89	6.25	2.87	1.69	1.06
F3-89-P44	114	9.04	6.76	5.36	2.31	3.05	3.04	0	5.96	85.63	8.41	94.04	5.94	2.55	1.6	1.26
F3-89-P44	126	19.23	11.55	14.87	4.36	10.2	10.47	0	0.45	74.51	25.04	99.55	7.46	2.93	1.71	1.01
F3-89-P44	137	7.53	7.67	7.9	3.71	8.31	7.39	0	42.21	38.38	19.4	57.79	5.46	8.55	2.92	0.36

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-P38	135	2.54	7.99	8.28	1.91	0.23	1.9
F3-89-P38	160	2.29	8.55	8.84	2.18	0.12	1.85
F3-89-P38	170	2.25	8.29	8.93	2.24	0.3	1.58
F3-89-P38	180	2.21	8.36	8.88	2.25	0.24	1.61
F3-89-P38	190	2.3	8.66	9.3	2.26	0.27	1.42
F3-89-P38	200	2.3	7.92	8.16	2.14	0.16	1.76
F3-89-P38	210	2.98	8.22	8.31	1.78	0.09	2.51
F3-89-P38	220	3.06	8.1	8.19	1.67	0.1	2.19
F3-89-P38	230	5.89	5.1	5.52	1.4	0.52	1
F3-89-P38	235	3.05	7.8	7.72	1.61	0.09	1.45
F3-89-P39	65	2.59	7.62	7.93	1.82	0.32	1.58
F3-89-P39	80	3.17	7.2	7.28	1.69	0.24	1.31
F3-89-P39	110	2.33	7.95	8.56	2.02	0.37	1.78
F3-89-P39	120	2.6	7.58	7.83	1.88	0.26	1.65
F3-89-P40	1	5.68	5.49	5.8	1.48	0.43	1.22
F3-89-P40	11	2.65	7.37	7.83	2.21	0.29	2.62
F3-89-P40	21	9.3	4.81	4.76	1.11	0.07	1.15
F3-89-P40	31	5.55	4.69	4.47	1.56	-0.09	1.37
F3-89-P40	41	14.95	2.59	2.61	0.88	0.04	1.05
F3-89-P40	51	2.21	3.97	4.67	2.59	0.33	0.64
F3-89-P40	56	2.68	6.51	5.84	2.63	-0.24	0.95
F3-89-P40	61	4.01	6.34	6.42	1.74	0.14	1.22
F3-89-P40	66	3.54	6.63	6.66	2.11	0	1.89
F3-89-P40	162	3.67	7.13	7.37	1.44	0.43	1.35
F3-89-P40	170	4.19	5	4.62	2.09	-0.19	0.96
F3-89-P40	175	8.05	3.24	3.47	1.21	0.32	0.89
F3-89-P40	185	14.7	2.39	2.44	0.94	0.21	1.4
F3-89-P40	195	11.9	2.24	2.2	0.98	0.04	1.26
F3-89-P40	205	10.24	2.34	2.29	1.1	0.05	1.5
F3-89-P40	215	8.61	2.33	2.28	1.08	0.03	1.61
F3-89-P40	224	13.87	2.31	2.28	0.88	0.02	1.48
F3-89-P40	235	3.18	4.85	4.83	2.22	0.05	0.76
F3-89-P40	250	1.81	7.85	6.42	2.96	-0.48	0.68
F3-89-P44	16	3.29	7.95	7.59	1.74	-0.29	2.8
F3-89-P44	20	2.84	7.97	7.47	2.14	-0.23	2.45
F3-89-P44	28	2.9	6.91	6.75	1.61	-0.21	0.8
F3-89-P44	40	3.28	7.64	7.27	1.6	-0.38	1.03
F3-89-P44	50	2.55	5.28	5.85	1.84	0.4	0.57
F3-89-P44	60	2.95	5.88	6.04	1.66	0.12	0.62
F3-89-P44	70	2.91	7.63	7.1	1.72	-0.42	0.88
F3-89-P44	82	3.99	7.89	7.68	1.53	-0.3	1.79
F3-89-P44	88	5.03	5.62	5.78	1.42	0.19	1.03
F3-89-P44	103	4.88	5.92	6.19	1.42	0.22	1.18
F3-89-P44	114	5.51	5.61	5.85	1.41	0.26	1.09
F3-89-P44	126	3.94	7.06	7.28	1.48	0.3	1.62
F3-89-P44	137	2.13	5.94	5.58	2.8	-0.09	0.71

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-P46	25	0	0	0	0	0	0	0	0	0	0	0.42	2.96	1.83	1.04	0.47	6.44
F3-89-P46	50	0	0	0	0	0	0	0	0	0	0	0.8	4.63	1.79	5.37	8.07	13.84
F3-89-P46	61	0	0	0	0	0	0	0	0	0	0	5.31	22.54	28.38	23.06	11.3	3.81
F3-89-P46	66	0	0	0	0	0	0	0	0.96	2.16	20.39	20.15	25.47	16.63	6.94	2.68	1.54
F3-89-P46	74	0	0	0	0	0	0.66	1	4.99	10.97	25.27	16.62	19.38	11.5	4.06	1.76	1.11
F3-89-P46	80	0	0	0	0	1.39	4.18	17.66	26.02	32.99	6.97	1.86	1.56	0.56	1.41	0.93	1.1
F3-89-P46	87	0	0	0	1.17	17.06	18.7	21.97	19.63	10.75	3.27	0.93	0.13	0.98	0.99	0.7	0.78
F3-89-P46	96	0	0	0.46	2.77	16.14	15.68	19.37	19.37	13.84	3.23	0.92	1.17	0.78	1.59	0.66	0.77
F3-89-P46	101	0	0	0.27	7.43	19.98	14.4	16.73	16.26	13.47	3.72	0.46	0.97	1.19	1.05	0.96	0.65
F3-89-P46	106	0	0	0.17	0.17	1.21	1.9	4.32	7.25	10.7	5.35	2.42	10.43	9.08	6.99	4.33	4.27
F3-89-P46	122	0	0	0.93	3.71	19.5	11.6	16.71	16.25	16.71	4.64	1.39	1.47	2.9	0.63	0.63	0.51
F3-89-P46	127	0	0	0.85	5.92	9.3	4.23	17.76	18.6	20.72	4.65	1.27	1.28	1.05	0.4	1.74	1.6
F3-89-P46	135	0	0	0	0.42	0.94	1.15	2.93	4.82	5.87	3.04	1.26	2.58	2.12	1.12	0.79	1.53
F3-89-P46	160	0	0	0.55	0.3	1.51	3.02	9.06	14.49	18.11	8.75	3.62	2.54	8.48	4.89	3.7	3.83
F3-89-P46	170	0	0	0	0.3	1.82	3.94	7.57	13.62	17.56	8.78	4.54	6.8	10.15	4.02	4.03	3.29
F3-89-P46	180	0	0	0	0.32	1.94	2.9	8.07	12.59	19.37	11.62	5.49	2.36	6.52	5.13	4.57	4.17
F3-89-P46	193	0	0	0	0	0	0	0	0	0	0	0.49	4.13	2.45	0.88	1.3	1.17
F3-89-P46	200	0	0	0	0	0	0	0	0	0	0	0.27	4.84	2.9	1.7	0.53	0.63
F3-89-P47	10	0	0	0	0	0	0	0	0	0	0	1.37	4.56	1.46	0.88	0.77	9.35
F3-89-P47	57	0	0	0	0	0	0	0	0	0	0	0.68	2	1.01	1.55	12.37	14.77
F3-89-P47	79	0	0	0	0.38	3.42	3.81	11.8	17.12	19.79	12.18	6.09	7.38	6.05	3.77	2.25	1.32
F3-89-P47	85	0.34	0	0	0.39	2.75	4.71	14.13	18.84	19.62	10.2	5.49	5.9	5.79	3.14	2.08	1.37
F3-89-P47	90	0.5	0	0	0	2.82	4.84	13.31	18.55	20.16	12.91	6.05	4.85	5.7	2.86	1.46	1.5
F3-89-P47	100	0.26	0	0.41	0.41	2.84	3.66	13	16.25	19.91	15.84	6.5	8.22	3.9	2.71	1.41	1.01
F3-89-P47	110	0	0	0	0.42	3.82	6.79	17.81	21.21	20.36	8.91	4.24	5.04	3.74	1.94	1.12	1.01
F3-89-P47	124	0	0	0	0	0	0	0	0	0	0	7.15	2.94	2.29	0.59	0.24	3.37
F3-89-P47	140	0	0	0	0	2.69	6.27	17.01	21.49	23.72	12.53	4.03	3.9	3.99	1.33	0.92	0.63
F3-89-P47	160	0.55	0	0	3.52	12.75	11.87	17.14	16.7	17.58	4.83	2.64	5.01	3.04	1.59	0.87	0.49
F3-89-P47	170	0	0	0.75	3.01	4.27	5.02	8.79	9.29	10.79	5.77	2.01	0.78	9.54	5.64	7.8	2.64
F3-89-P47	180	0.52	0	0.48	0.48	1.73	1.92	3.27	3.27	3.07	2.31	1.92	2.19	1.06	4.94	11.68	6.12
F3-89-P47	190	0	0	0	0	0	0	0	0	0	0	3.15	3.75	11.93	20.48	17.5	10.64
F3-89-P48	10	0	0	0	0	0	0	0	0	0	0	1.24	2.55	1.13	17.53	15.19	8.56
F3-89-P48	20	0	0	0	0	0	0	0	0	0	0	1.06	8.37	25.35	11.84	18.15	6.72
F3-89-P48	30	0	0	0	0	0	0	0	0.16	0.57	2.91	8.73	35.08	22.61	10.14	6.49	3.46
F3-89-P48	40	0	0	0	0	0	0	0	0	0	0	0.81	5.77	1.9	0.68	1.67	17.59
F3-89-P48	50	0	0	0	0	0	0	0	0	0	0	0.93	6.44	2.59	0.42	1.2	16.84
F3-89-P48	60	0	0	0	0	0	0	0	0	0	0	0.09	4.15	2.34	0.79	0.67	2.43
F3-89-P48	70	0	0	0	0	0	0	0	0	0	0	0.19	5.51	2.69	1.82	6.11	8.1
F3-89-P48	80	0	0	0	0	0	0	0	0	0	0	0.2	3.55	2.65	0.29	0.02	0.5
F3-89-P48	90	0	0	0	0	0	0	0	0	0	0	8.06	3.15	1.68	7.02	8.37	8.14
F3-89-P48	100	0	0	0	0	0	0	0	0	0	0	2.91	4.72	0.94	1.2	0.39	0.67
F3-89-P48	110	0	0	0	0.28	1.53	1.53	3.89	6.38	8.33	3.89	1.67	2.28	1.33	0.57	4.5	9.67
F3-89-P48	120	0	0	0	0	0	0	0	0	0	0	5.05	3.8	2.63	0.81	0.36	0.43
F3-89-P48	130	0	0	0	0.27	0.94	1.07	3.48	6.43	8.44	4.02	1.61	1.89	4.68	5.07	8.46	10.71
F3-89-P48	140	0	0	0	0.56	2.07	2.44	5.08	9.4	10.91	4.51	2.26	1.02	5.21	6.63	9.43	8.98
F3-89-P48	165	0	0	0	0	0	0	0	0	0	0	0.03	4.33	1.35	1.16	0.71	0.01
F3-89-P48	183	0	0	0	0	0	0	0	0	0	0	0.03	2.83	0.77	0.63	7.51	4.86
F3-89-P48	193	0	0	0	0	0	0	0	0	0	0	0.05	0.63	1.18	1.44	0.38	1.29

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-P46	25	15.26	17.31	13.9	7.42	15.69	17.27	0	0.42	59.2	40.38	99.58	8.05	3.54	1.88	0.53
F3-89-P46	50	10.72	15.15	11.3	7.22	7.96	13.16	0	0.8	70.86	28.34	99.2	7.43	3.81	1.95	0.77
F3-89-P46	61	2.29	1.04	0.89	0.15	0.68	0.56	0	5.31	93.3	1.39	94.69	5.04	0.9	0.95	2.56
F3-89-P46	66	1.07	0.48	0.76	0.1	0.33	0.34	0	43.66	55.57	0.77	56.34	4.23	1.04	1.02	2.15
F3-89-P46	74	0.84	0.61	0.48	0.15	0.28	0.33	0	59.51	39.73	0.76	40.49	3.85	1.28	1.13	1.75
F3-89-P46	80	0.77	0.69	0.68	0.42	0.44	0.36	0	91.06	7.71	1.22	8.94	2.72	1.79	1.34	2.85
F3-89-P46	87	0.93	0.56	0.62	0.32	0.29	0.23	0	93.47	5.68	0.84	6.53	2.05	2.03	1.43	2.61
F3-89-P46	96	0.7	0.87	0.42	0.5	0.4	0.35	0	91.79	6.96	1.26	8.21	2.13	2.36	1.54	2.39
F3-89-P46	101	0.68	0.46	0.44	0.34	0.29	0.24	0.27	92.46	6.4	0.88	7.28	1.92	2.38	1.54	1.92
F3-89-P46	106	6.83	6.49	4.85	5.75	3.7	3.8	0	33.49	53.27	13.25	66.51	5.13	6.1	2.47	0.48
F3-89-P46	122	0.52	0.73	0.36	0.32	0.26	0.22	0	91.44	7.76	0.8	8.56	2.11	2.17	1.47	1.96
F3-89-P46	127	1.5	1.92	1.81	1.76	2.09	1.55	0	83.28	11.31	5.41	16.72	2.85	5.16	2.27	1.75
F3-89-P46	135	13.72	14.45	13.76	10.01	10.16	9.34	0	20.43	50.07	29.5	79.57	6.73	7.19	2.68	-0.38
F3-89-P46	160	3.43	4.6	3.11	2.03	2.27	1.7	0.55	58.86	34.58	6.01	40.59	4.03	5.31	2.31	0.88
F3-89-P46	170	2.59	3.83	2.32	1.85	1.76	1.24	0	58.12	37.03	4.85	41.88	3.94	4.43	2.1	1.02
F3-89-P46	180	3.1	2.58	3.55	2.18	1.7	1.84	0	62.29	31.98	5.73	37.71	4.01	4.92	2.22	1.09
F3-89-P46	193	11.87	19.08	17.09	12.24	10.8	18.51	0	0.49	57.97	41.55	99.51	8.1	3.73	1.93	0.39
F3-89-P46	200	4.47	19.57	21.25	12.97	14.16	16.71	0	0.27	55.88	43.85	99.73	8.11	3.53	1.88	0.25
F3-89-P47	10	14.04	15.56	15.09	14.17	11.03	11.72	0	1.37	61.71	36.92	98.63	7.72	3.18	1.78	0.48
F3-89-P47	57	14.84	16.94	9.32	8.72	8.73	9.08	0	0.68	72.79	26.53	99.32	7.35	2.79	1.67	1.03
F3-89-P47	79	1.23	1.03	0.61	0.76	0.48	0.55	0	74.59	23.63	1.79	25.41	3.22	2.67	1.63	1.51
F3-89-P47	85	1.3	0.98	1.12	0.75	0.5	0.57	0.34	76.14	21.69	1.83	23.52	3.13	2.89	1.7	1.49
F3-89-P47	90	0.76	1.18	1.04	0.57	0.48	0.46	0.5	78.64	19.35	1.51	20.86	3.07	2.76	1.66	1.32
F3-89-P47	100	0.8	0.9	0.73	0.45	0.44	0.36	0.26	78.81	19.67	1.25	20.92	3.07	2.31	1.52	1.45
F3-89-P47	110	1.05	0.62	0.86	0.36	0.35	0.35	0	83.56	15.39	1.05	16.44	2.82	2.24	1.5	1.88
F3-89-P47	124	16.14	19.31	8.16	11.35	12.2	16.26	0	7.15	53.05	39.8	92.85	7.75	4.48	2.12	0.19
F3-89-P47	140	0.65	0.25	0.17	0.12	0.09	0.21	0	87.73	11.85	0.42	12.27	2.73	1.46	1.21	1.91
F3-89-P47	160	0.58	0.21	0.19	0.09	0.1	0.26	0.55	87.02	11.98	0.44	12.42	2.28	2.15	1.47	1.31
F3-89-P47	170	5.46	7.27	2.43	1.57	2.52	4.65	0	49.71	41.55	8.74	50.29	4.39	7.67	2.77	0.65
F3-89-P47	180	10.2	15.64	5.18	5.84	8.93	9.25	0.52	18.45	57.02	24.02	81.04	6.4	7.4	2.72	-0.27
F3-89-P47	190	10.24	8.01	4.43	2.97	3.32	3.57	0	3.15	86.98	9.87	96.85	6.15	2.37	1.54	1.49
F3-89-P48	10	11.56	10.95	7.22	5.56	4.04	14.47	0	1.24	74.69	24.07	98.76	7.15	4.38	2.09	1.01
F3-89-P48	20	8.09	4.56	3.47	2.55	3.84	5.99	0	1.06	86.56	12.38	98.94	6.07	3.24	1.8	1.65
F3-89-P48	30	3.11	2.57	1.34	0.31	0.81	1.72	0	12.36	84.8	2.84	87.64	4.92	1.77	1.33	2.52
F3-89-P48	40	16.92	18.05	9.13	6.31	4.33	16.83	0	0.81	71.71	27.48	99.19	7.59	4.13	2.03	0.76
F3-89-P48	50	21	13.75	2.84	5.08	17.41	11.5	0	0.93	65.08	33.99	99.07	7.47	3.6	1.9	0.62
F3-89-P48	60	25.05	9.7	5.75	6.61	23.13	19.29	0	0.09	50.88	49.04	99.91	8.15	3.94	1.98	0.34
F3-89-P48	70	17.3	11.94	2.22	5.74	20.6	17.79	0	0.19	55.68	44.13	99.81	7.85	4.4	2.1	0.42
F3-89-P48	80	17.67	12.48	2.82	9.43	29.89	20.5	0	0.2	39.98	59.82	99.8	8.4	3.73	1.93	0.13
F3-89-P48	90	15.09	10.35	1.79	6.3	16.4	13.65	0	8.06	55.59	36.35	91.94	7.31	4.86	2.21	0.44
F3-89-P48	100	17.15	11.79	6.42	8.81	27.58	17.43	0	2.91	43.28	53.82	97.09	8.14	4.04	2.01	0.02
F3-89-P48	110	12.66	11.58	2.92	3.8	13.39	9.81	0	27.48	45.52	27.01	72.52	6.25	8.27	2.88	-0.04
F3-89-P48	120	14.59	19.34	1.51	9.52	25.54	16.42	0	5.05	43.47	51.48	94.95	7.98	4.31	2.08	0.01
F3-89-P48	130	12.45	7.73	2.14	3.59	10.54	6.47	0	26.25	53.14	20.61	73.75	5.9	6.75	2.6	0.14
F3-89-P48	140	9.64	6.5	0.09	2.85	7.54	4.88	0	37.24	47.5	15.26	62.76	5.21	7.03	2.65	0.36
F3-89-P48	165	6.59	20.7	14.04	17.09	15.21	18.77	0	0.03	48.88	51.08	99.97	8.29	3.42	1.85	0.29
F3-89-P48	183	12.93	16.86	14.74	12.5	12.3	14.06	0	0.03	61.12	38.85	99.97	7.89	3.15	1.78	0.68
F3-89-P48	193	19.09	16.47	16.74	12.63	12.41	17.68	0	0.05	57.22	42.73	99.95	8.2	2.99	1.73	0.8

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-P46	25	2.9	7.62	7.82	1.73	0.24	1.8
F3-89-P46	50	3.15	7.16	7.21	1.81	0.14	1.4
F3-89-P46	61	15.34	4.89	4.97	0.7	0.25	1.14
F3-89-P46	66	13.02	4.12	4.12	0.81	0.16	1.03
F3-89-P46	74	10.93	3.71	3.77	0.92	0.13	1.12
F3-89-P46	80	13.9	2.51	2.5	0.91	0.23	2.42
F3-89-P46	87	12.24	1.8	1.79	1.12	0.23	1.57
F3-89-P46	96	11.07	1.89	1.84	1.18	0.2	1.43
F3-89-P46	101	9.57	1.74	1.72	1.26	0.14	1.31
F3-89-P46	106	2.81	4.82	5.02	2.33	0.11	0.7
F3-89-P46	122	9.46	1.93	1.95	1.12	0.17	1.13
F3-89-P46	127	5.95	2.33	2.53	1.99	0.34	2.85
F3-89-P46	135	2.7	7.27	6.31	2.76	-0.35	1.11
F3-89-P46	160	3.54	3.1	3.95	2.18	0.53	0.9
F3-89-P46	170	3.92	3.25	3.83	2	0.44	1.05
F3-89-P46	180	3.93	3.15	3.88	2.07	0.51	0.95
F3-89-P46	193	2.9	7.74	7.95	1.81	0.2	2.07
F3-89-P46	200	3.15	7.84	8	1.66	0.17	2.85
F3-89-P47	10	3.59	7.57	7.5	1.59	0	1.71
F3-89-P47	57	4.13	7.07	7.2	1.46	0.27	1.17
F3-89-P47	79	6.79	2.82	3.14	1.46	0.36	1.15
F3-89-P47	85	6.73	2.69	3.06	1.5	0.43	1.24
F3-89-P47	90	6.95	2.73	3.04	1.4	0.4	1.31
F3-89-P47	100	7.59	2.83	3.01	1.29	0.26	1.26
F3-89-P47	110	8.44	2.5	2.75	1.3	0.36	1.55
F3-89-P47	124	2.86	7.43	7.63	1.9	0.16	2.18
F3-89-P47	140	10.62	2.54	2.62	0.99	0.2	1.41
F3-89-P47	160	7.89	2.13	2.16	1.24	0.17	1.23
F3-89-P47	170	2.95	4.18	4.32	2.6	0.11	0.82
F3-89-P47	180	3.09	6.78	6.22	2.74	-0.23	1.57
F3-89-P47	190	6.02	5.78	6.04	1.25	0.31	1.04
F3-89-P48	10	3.08	6.67	6.92	1.88	0.36	1.16
F3-89-P48	20	5.46	5.56	5.9	1.5	0.43	1.16
F3-89-P48	30	11.86	4.53	4.79	0.97	0.49	1.65
F3-89-P48	40	2.97	7.1	7.46	1.9	0.32	1.77
F3-89-P48	50	3.21	7.02	7.24	1.67	0.25	1.31
F3-89-P48	60	2.55	7.91	8.13	1.83	0.19	1.67
F3-89-P48	70	2.42	7.14	7.48	2	0.3	1.51
F3-89-P48	80	2.67	8.51	8.34	1.92	-0.07	1.84
F3-89-P48	90	2.59	6.96	7.04	2.06	0.13	1.15
F3-89-P48	100	2.88	8.24	8.05	1.89	-0.12	1.71
F3-89-P48	110	2.29	6.67	6.02	2.93	-0.19	0.76
F3-89-P48	120	2.83	8.23	7.97	1.85	-0.18	1.72
F3-89-P48	130	2.61	6.18	5.81	2.65	-0.13	0.89
F3-89-P48	140	2.62	5.49	5.1	2.41	-0.15	0.74
F3-89-P48	165	3.04	8.03	8.18	1.72	0.15	2.44
F3-89-P48	183	3.25	7.61	7.62	1.49	0.19	1.46
F3-89-P48	193	2.98	7.77	7.94	1.46	0.37	1.49

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-P48	203	0	0	0	0	0	0	0	0	0	0	0.18	0.62	3.95	1.03	0.42	0.67
F3-89-P48	213	0	0	0	0	0	0	0	0	0	0	0.26	5.16	1.21	0.26	2.6	5.55
F3-89-P48	221	0	0	0	0	0	0	0	0	0	0	1.77	3.49	4.81	9.48	17.13	6.77
F3-89-P48	240	0	0	0	0	0	0	0	0	0	0	0.13	4.53	2.95	2.27	17.74	0.51
F3-89-P51	40	0	0	0	0	0	0	0	0	0.2	4.57	11.68	41.68	25.01	9.28	3.55	1.71
F3-89-P51	60	0	0	0	0	0	0	0	0	0	0	0.12	2.89	2.52	9.67	13.63	0.17
F3-89-P51	70	0	0	0	0	0	0	0	0	0	0	2.29	9.4	35.63	25.66	14.74	6.03
F3-89-P51	80	0	0	0	0	0	0	0	0	0	0	0.78	2.46	1.71	0.99	0.61	8.95
F3-89-P51	90	0	0	0	0	0	0	0	0	0	0	0.11	1.54	2.59	0.93	0.21	3.48
F3-89-P51	100	0	0	0	0	0	0	0	0	0	0	0.09	6.01	3	1.64	1.03	0.51
F3-89-P51	110	0	0	0	0	0	0	0	0	0	0	0.31	1.31	1.46	0.7	0.69	5.99
F3-89-P51	120	0	0	0	0	0	0	0	0	0	0	0.09	1.44	2.01	0.97	0.69	11.78
F3-89-P51	130	0	0	0	0	0	0	0	0	0	0	0.02	6.03	1.42	1.35	0.81	0.19
F3-89-P51	161	0	0	0	0	0	0	0	0	0	0	0.07	3.35	2.35	0.31	0.86	0.42
F3-89-P51	171	0	0	0	0	0	0	0	0	0	0	0.07	2.99	1.05	0.9	0.88	2.64
F3-89-P51	184	0	0	0	0	0	0	0	0	0	0	0.06	4.12	1.75	1.28	0.79	1.94
F3-89-P51	193	0	0	0	0	0	0	0	0	0	0	0.02	1.88	2.86	0.92	1	7.92
F3-89-P51	221	0	0	0	0	0	0	0	0	0	0	0.05	3.96	0.79	0.65	0.38	16.77
F3-89-P51	231	0	0	0	0	0	0	0	0	0	0	0.11	6.79	0.89	1.81	0.86	0.42
F3-89-P51	245	0	0	0	0	0	0	0	0	0	0	0.09	3.67	1.14	0.98	0.8	8.87
F3-89-P51	256	0	0	0	0	0	0	0	0	0	0	0.12	3.87	2.4	1.35	0.93	2.15
F3-89-P51	266	0	0	0	0	0	0	0	0	0	0	1.11	3.03	2.7	0	0.89	7.84
F3-89-P51	275	0	0	0	0	0	0	0	0	0	0	0.09	6.56	1.41	1.72	0.84	0.01
F3-89-P51	286	0	0	0	0	0	0	0	0	0	0	0.07	6.33	3.51	1.97	1.5	1.11
F3-89-P51	310	0	0	0	0	0	0	0	0	0	0	0.28	1.52	4.43	1.22	1.21	0.28
F3-89-P51	320	0	0	0	0	0	0	0	0	0	0	0.21	5.24	2.09	1.04	1.45	0.87
F3-89-P51	330	0	0	0	0	0	0	0	0	0	0	0.19	2.11	2.04	1.02	0.98	0.5
F3-89-P51	340	0	0	0	0	0	0	0	0	0	0	0.28	1.52	1.28	18.5	17.57	15.3
F3-89-P51	350	0	0	0	0	0	0	0	0	0	0	0.05	2.13	1.16	1.42	0.7	0.5
F3-89-P51	360	0	0	0	0	0	0	0	0	0	0	0.19	2.57	2.25	0.98	14.86	16.86
F3-89-P51	370	0	0	0	0	0	0	0	0	0	0	0.06	1.82	2.05	1.33	0.28	8.19
F3-89-P51	380	0	0	0	0	0	0	0	0	0	0	0.02	4.85	0.97	0.79	0.67	0.74
F3-89-P52	10	0	0	0	0	0	0	0	0	0	0	0.17	4.6	2.71	0.55	1.29	0.56
F3-89-P52	20	0	0	0	0	0	0	0	0	0	0	0.22	1.51	2.17	1.68	7.92	11.19
F3-89-P52	30	0	0	0	0	0	0	0	0	0	0	0.32	0.56	1.06	0.91	1.05	12.2
F3-89-P52	40	0	0	0	0	0	0	0	0.12	0.36	2.99	14	34.84	28.48	10.47	4.18	1.7
F3-89-P52	50	0	0	0	0	0	0	0	0	0	0	0.12	2.23	1.25	1.08	0.66	0.24
F3-89-P52	60	0	0	0	0	0	0	0	0	0	0	0.29	4.85	2.8	0.95	0.32	2.16
F3-89-P52	70	0	0	0	0	0	0	0	0	0	0	0.23	2.72	1.3	1.55	0.71	9.48
F3-89-P52	80	0	0	0	0	0	0	0	0	0	0	0.09	4.45	1.56	1	0.46	2.19
F3-89-P52	90	0	0	0	0	0	0	0	0	0	0	0.04	4.3	1.93	1.92	0.45	0.5
F3-89-P52	100	0	0	0	0	0	0	0	0	0	0	0.8	5.08	1.01	0.83	0.68	0.27
F3-89-P52	110	0	0	0	0	0	0	0	0	0	0	0.33	2.16	0.4	0.82	7.99	20.39
F3-89-P52	120	0	0	0	0	0	0	0.14	0.37	0.55	0.64	4.56	25.7	28.27	17.41	8.9	4.12
F3-89-P52	130	0	0	0	0	0	0	0	0	0	0	0.43	3.69	2.05	1.15	0.88	0.65
F3-89-P52	140	0	0	0	0	0	0	0	0	0	0	0.07	4.35	2.72	1.31	0.83	0.56
F3-89-P55	161	0	0	0	0	0	0	0	0	0	0	1.07	3.68	1.74	0.64	0.42	0.47

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-P48	203	1.07	9.4	17.75	19.12	18.51	27.29	0	0.18	34.91	64.91	99.82	8.8	3.55	1.88	0.08
F3-89-P48	213	8.07	12.83	21.8	9.76	12.98	19.53	0	0.26	57.47	42.27	99.74	8.15	3.88	1.97	0.33
F3-89-P48	221	11.22	9.72	9.11	9.36	6.64	10.5	0	1.77	71.73	26.5	98.23	7.08	3.82	1.96	0.87
F3-89-P48	240	9.28	14.26	11.9	16.54	5.03	14.87	0	0.13	63.43	36.44	99.87	7.61	3.99	2	0.62
F3-89-P51	40	0.41	0.59	0.65	0.31	0.12	0.24	0	16.45	82.88	0.67	83.55	4.53	0.66	0.81	2.7
F3-89-P51	60	8.04	15	11.6	10.76	13.18	12.42	0	0.12	63.51	36.37	99.88	7.55	3.74	1.93	0.59
F3-89-P51	70	2.72	1.28	1.04	0.65	0.18	0.39	0	2.29	96.49	1.22	97.71	5.22	0.74	0.86	2.34
F3-89-P51	80	16.46	24.09	14.06	11.91	10.46	7.53	0	0.78	69.32	29.89	99.22	7.57	2.25	1.5	0.76
F3-89-P51	90	16.11	21.15	17.37	8.87	17.87	9.78	0	0.11	63.37	36.52	99.89	7.86	2.36	1.54	0.74
F3-89-P51	100	2.7	17.87	20.11	11.7	15.11	20.23	0	0.09	52.87	47.04	99.91	8.23	4.04	2.01	0.13
F3-89-P51	110	19.16	16.81	20.07	11.02	13.44	9.06	0	0.31	66.17	33.51	99.69	7.78	2.22	1.49	0.91
F3-89-P51	120	18.57	17.02	15.08	9.5	10.94	11.92	0	0.09	67.55	32.36	99.91	7.75	2.76	1.66	0.95
F3-89-P51	130	5.18	21.64	20.09	12.84	15.64	14.81	0	0.02	56.7	43.28	99.98	8.06	3.27	1.81	0.27
F3-89-P51	161	8.06	20.43	12.6	13.42	23.44	14.69	0	0.07	48.38	51.55	99.93	8.2	2.96	1.72	0.31
F3-89-P51	171	11.96	17.97	19.91	5.42	23.42	12.8	0	0.07	58.29	41.64	99.93	8.06	2.74	1.65	0.52
F3-89-P51	184	16.38	20.05	19.41	10.63	7.54	16.06	0	0.06	65.71	34.23	99.94	7.94	3.36	1.83	0.62
F3-89-P51	193	11.18	15.45	15.8	12.09	13.61	17.29	0	0.02	57	42.98	99.98	8.09	3.4	1.84	0.56
F3-89-P51	221	17.02	13.06	13.19	9.49	11.47	13.16	0	0.05	65.83	34.12	99.95	7.73	3.19	1.79	0.78
F3-89-P51	231	10.26	16.57	12.27	13.34	14.68	22.01	0	0.11	49.86	50.02	99.89	8.27	4.24	2.06	0.16
F3-89-P51	245	14.7	16.97	13.97	6.1	16.48	16.24	0	0.09	61.09	38.81	99.91	7.98	3.46	1.86	0.57
F3-89-P51	256	14.76	12.4	12.96	11.97	16.28	20.81	0	0.12	50.82	49.06	99.88	8.25	3.93	1.98	0.29
F3-89-P51	266	12.32	15.05	12.78	9.25	15.14	19.9	0	1.11	54.61	44.28	98.89	8.13	3.99	2	0.36
F3-89-P51	275	4.44	14.84	16.68	10.11	19.62	23.69	0	0.09	46.49	53.42	99.91	8.43	4.26	2.06	0
F3-89-P51	286	2.16	6.56	13.31	12.95	20.74	29.8	0	0.07	36.43	63.49	99.93	8.66	4.95	2.22	-0.23
F3-89-P51	310	6.03	20.03	13.37	10.5	16.92	24.21	0	0.28	48.09	51.64	99.72	8.46	3.96	1.99	0.22
F3-89-P51	320	9.87	19.73	13	11.43	13.3	21.78	0	0.21	53.28	46.51	99.79	8.24	4.14	2.03	0.25
F3-89-P51	330	7.87	18.96	11.08	17.42	17.3	20.54	0	0.19	44.55	55.25	99.81	8.41	3.38	1.84	0.34
F3-89-P51	340	14.82	6.68	8.06	4.45	4.96	6.6	0	0.28	83.71	16	99.72	6.74	2.69	1.64	1.49
F3-89-P51	350	15.42	10.9	15.99	14.3	16.16	21.26	0	0.05	48.23	51.73	99.95	8.4	3.44	1.86	0.41
F3-89-P51	360	23.4	3.94	12.06	6.36	8.09	8.45	0	0.19	76.91	22.91	99.81	7.19	2.79	1.67	1.17
F3-89-P51	370	21.85	15.48	13.59	11.04	11.1	13.21	0	0.06	64.58	35.36	99.94	7.83	2.94	1.72	0.85
F3-89-P51	380	11.8	13.38	17.36	13.48	16.5	19.46	0	0.02	50.55	49.43	99.98	8.28	3.58	1.89	0.28
F3-89-P52	10	15.79	14.03	16.34	9.72	12.51	21.73	0	0.17	55.87	43.97	99.83	8.21	4.12	2.03	0.31
F3-89-P52	20	20.2	9.67	13.51	7.23	12.97	11.74	0	0.22	67.83	31.95	99.78	7.61	3.09	1.76	0.87
F3-89-P52	30	9.33	19.16	12.2	17.17	11.93	14.12	0	0.32	56.46	43.22	99.68	8.01	2.81	1.68	0.84
F3-89-P52	40	0.65	0.83	0.32	0.41	0.24	0.4	0	17.47	81.48	1.05	82.53	4.59	0.78	0.88	2.89
F3-89-P52	50	12.11	18.17	13.41	15.48	15.75	19.51	0	0.12	49.14	50.74	99.88	8.34	3.26	1.81	0.46
F3-89-P52	60	13.6	20.38	13.09	13.54	13.8	14.22	0	0.29	58.15	41.56	99.71	7.92	3.34	1.83	0.41
F3-89-P52	70	11.97	23.34	10.23	10.48	16.4	11.6	0	0.23	61.29	38.48	99.77	7.83	2.82	1.68	0.68
F3-89-P52	80	19.6	14.83	15.89	11.53	14.07	14.35	0	0.09	59.97	39.94	99.91	7.94	3.21	1.79	0.52
F3-89-P52	90	2.71	14.11	20.15	15.33	18.17	20.38	0	0.04	46.07	53.89	99.96	8.4	3.58	1.89	0.13
F3-89-P52	100	2.49	19.54	9.16	12.49	28.76	18.89	0	0.8	39.07	60.13	99.2	8.41	3.54	1.88	-0.03
F3-89-P52	110	16.59	17.14	7.22	10.2	7.89	8.86	0	0.33	72.72	26.95	99.67	7.37	2.6	1.61	1.16
F3-89-P52	120	2.95	1.73	0.99	1.53	0.91	1.22	0	6.26	90.08	3.66	93.74	5.08	1.5	1.22	2.3
F3-89-P52	130	4.84	18.59	14.22	20.72	16.97	15.81	0	0.43	46.07	53.5	99.57	8.21	3.16	1.78	0.23
F3-89-P52	140	0.25	0.53	16.22	19.18	30.42	23.57	0	0.07	26.76	73.17	99.93	8.73	3.62	1.9	-0.26
F3-89-P55	161	0.26	9.19	26.1	20.64	18.4	17.39	0	1.07	42.5	56.43	98.93	8.39	3.15	1.77	0.04

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-P48	203	2.56	8.39	8.76	1.91	0.25	2.13
F3-89-P48	213	2.74	7.8	7.97	1.92	0.15	2.03
F3-89-P48	221	3.3	6.81	6.89	1.77	0.18	1.09
F3-89-P48	240	2.83	7.45	7.32	1.88	0.04	1.26
F3-89-P51	40	18.72	4.46	4.49	0.61	0.13	1.59
F3-89-P51	60	2.86	7.44	7.2	1.77	-0.01	1.01
F3-89-P51	70	14.54	5.04	5.16	0.66	0.33	1.34
F3-89-P51	80	4.84	7.37	7.49	1.31	0.14	1.57
F3-89-P51	90	4.24	7.58	7.77	1.35	0.25	1.49
F3-89-P51	100	2.76	7.91	8.21	1.83	0.23	2.28
F3-89-P51	110	4.58	7.57	7.68	1.2	0.28	1.31
F3-89-P51	120	3.79	7.42	7.49	1.36	0.26	1.36
F3-89-P51	130	3.42	7.81	7.91	1.58	0.12	2.36
F3-89-P51	161	3.46	8.06	7.98	1.58	-0.05	2.02
F3-89-P51	171	3.64	7.67	7.78	1.35	0.25	1.58
F3-89-P51	184	3.25	7.57	7.76	1.67	0.22	2.01
F3-89-P51	193	2.89	7.77	7.85	1.71	0.16	1.82
F3-89-P51	221	3.4	7.39	7.47	1.58	0.19	1.37
F3-89-P51	231	2.57	8	8.2	2	0.15	1.96
F3-89-P51	245	2.97	7.56	7.71	1.68	0.22	1.7
F3-89-P51	256	2.59	7.96	8.22	1.85	0.21	1.79
F3-89-P51	266	2.63	7.76	7.96	1.92	0.19	1.74
F3-89-P51	275	2.59	8.17	8.44	2	0.17	2.25
F3-89-P51	286	2.31	8.51	8.7	2.22	0.08	1.84
F3-89-P51	310	2.43	8.08	8.42	1.94	0.24	1.97
F3-89-P51	320	2.57	7.86	8.15	1.97	0.21	1.95
F3-89-P51	330	2.82	8.17	8.3	1.73	0.17	2.05
F3-89-P51	340	5.14	6.35	6.57	1.33	0.39	0.99
F3-89-P51	350	2.65	8.06	8.22	1.76	0.22	1.73
F3-89-P51	360	4.32	6.51	6.96	1.51	0.47	1.24
F3-89-P51	370	3.53	7.46	7.58	1.48	0.24	1.56
F3-89-P51	380	2.9	7.98	8.12	1.84	0.13	2.18
F3-89-P52	10	2.54	7.8	8.1	1.97	0.23	1.77
F3-89-P52	20	3.44	7.26	7.32	1.52	0.22	1.25
F3-89-P52	30	3.38	7.72	7.67	1.4	0.2	1.42
F3-89-P52	40	19.78	4.48	4.51	0.63	0.16	1.35
F3-89-P52	50	2.88	8.02	8.17	1.65	0.22	1.88
F3-89-P52	60	3.31	7.67	7.81	1.57	0.17	1.84
F3-89-P52	70	3.66	7.47	7.49	1.44	0.15	1.49
F3-89-P52	80	3.34	7.67	7.72	1.62	0.1	1.68
F3-89-P52	90	2.95	8.13	8.38	1.75	0.21	2.55
F3-89-P52	100	3.17	8.42	8.44	1.73	0.01	2.64
F3-89-P52	110	4.42	7.02	7.24	1.32	0.39	1.13
F3-89-P52	120	11.54	4.8	5.01	0.88	0.46	1.39
F3-89-P52	130	3.41	8.09	8.06	1.57	0.01	2.29
F3-89-P52	140	3.19	8.57	8.8	1.84	0.14	3.42
F3-89-P55	161	3.65	8.15	8.27	1.6	0.12	2.86

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	-1 phi	-0.5 phi	0 phi	0.5 phi	1.0 phi	1.5 phi	2.0 phi	2.5 phi	3.0 phi	3.5 phi	4.0 phi	4.5 phi	5.0 phi	5.5 phi	6.0 phi	6.5 phi
F3-89-P55	172	0	0	0	0	0	0	0	0	0	0	1.25	0.78	2.77	0.93	0.24	0.34
F3-89-P55	186	0	0	0	0	0	0	0	0	0	0	0.2	3.82	1.29	1.09	0.4	5.19
F3-89-P55	200	0	0	0	0	0	0	0	0	0	0	0.16	3.51	1.4	0.13	0.76	7.32
F3-89-P55	214	0	0	0	0	0	0	0	0	0	0	0.48	1.44	0.45	1.37	0.56	0.4
F3-89-P55	232	0	0	0	0	0	0	0	0	0	0	0.14	4.77	2.33	0.36	0.54	0.61
F3-89-P55	242	0	0	0	0	0	0	0	0	0	0	0.22	2.92	1.62	1.24	0.49	9.11
F3-89-P55	253	0	0	0	0	0	0	0	0	0	0	0.51	1.67	1.4	1.34	0.46	0.49
F3-89-P55	261	0	0	0	0	0	0	0	0	0	0	0.1	2.26	2.03	0.28	1.6	15.46
F3-89-P55	275	0	0	0	0	0	0	0	0	0	0	0.14	2.82	1.27	3.04	10.45	10.61
F3-89-P55	283	0	0	0	0	0	0	0	0	0	0	0.38	7.38	7.34	13.51	6.74	8.5
F3-89-P55	292	0	0	0	0	0	0	0	0	0	0	0.21	1.53	1.9	0.21	0.5	7.48
F3-89-P55	298	0	0	0	0	0	0	0	0	1.61	18.86	15.25	27.14	18.92	8.65	4.58	1.92
F3-89-P55	304	0	0	0	0	0	0	0	0	0	0	0.68	2.7	2.29	0.65	0.57	7.15
F3-89-P55	316	0	0	0	0	0	0	0	0	0	0	0.18	3.69	2.71	1.49	0.93	0.46
F3-89-P55	328	0	0	0	0	0	0	0	0	0	0	0.2	3.43	1.91	1.45	0.59	9.57
F3-89-P55	338	0	0	0	0	0	0	0	0.54	0.81	16.78	26.79	26.77	18.17	5.21	1.59	1.16
F3-89-P56	10	0	0	0	0	0	0	0	0	0	0	3.38	0.65	1.59	16.5	16.24	10.35
F3-89-P56	30	0	0	0	0	0	0	0	0	0	0	1.09	2.38	1	0.89	11.02	19.95
F3-89-P56	39	0	0	0	0	0	0	0.31	0.16	3.28	27.21	23.46	16.9	15.32	4	2.74	1.82
F3-89-P56	50	0	0	0	0	0	0	0	0	0	0	3.33	2.57	2.12	3.22	13.25	14.27
F3-89-P56	60	0	0	0	0	0	0	0	0	0	0	2.99	0.63	1.57	1.19	6.2	11.18
F3-89-P56	68	0	0	0	0	0	0	0	0.26	2.07	15.79	24.84	18.62	16.24	6.54	2.16	3.17
F3-89-P56	80	0	0	0	0	0	0	0	0	0	0	0.97	6.32	0.86	9.67	14.25	9.17
F3-89-P56	90	0	0	0	0	0	0	0	0	0	0	2.42	4.82	1.55	3.2	12.04	5.94
F3-89-P56	100	0	0	0	0	0	0	0	0	0	0	0.62	0.49	0.51	1.02	6.53	16.58
F3-89-P56	108	0	0	0	0	0	0	0	0.11	0.11	0.62	6.89	22.23	24.67	17.23	8.4	5.64
F3-89-P56	140	0	0	0	0	0	0	0	0	0	0	2.62	0.57	2.5	0.57	12.05	11.73
F3-89-P56	148	0	0	0	0	0	0	0	0	0	0	1.44	2.07	2.87	1.58	0.59	8.44
F3-89-P56	160	0	0	0	0	0	0	0	0	0	0	1.13	2.59	1.55	20.06	8.22	10.53
F3-89-P56	170	0	0	0	0	0	0	0	0	0	0	3.54	2.83	1.25	1.06	0.81	14.13
F3-89-P56	182	0	0	0	0	0	0	0	0	0.77	7.32	8.09	15.05	12.36	9.27	7.23	5.73
F3-89-P56	189	0	0	0	0	0	0	0	0	0.5	6.75	13.26	30.56	13.96	8.45	5.65	2.2
F3-89-P56	202	0	0	0	0	0	0	0	0.24	2.9	16.67	19.81	27.13	18.1	7.62	2.84	1.28
F3-89-P57	10	0	0	0	0	0	0	0	0	0	0	0.49	0.5	1.66	0.67	1.4	13.44
F3-89-P57	20	0	0	0	0	0	0	0	0	0	0	0.5	12.46	1.79	2.3	10.9	7.04
F3-89-P57	30	0	0	0	0	0	0	0	0	0	0	0.72	4.04	3.05	0.72	0.96	0.3
F3-89-P57	40	0	0	0	0	0	0	0	0	0	0	0.54	6.51	1.14	1.14	0.86	0.24
F3-89-P57	50	0	0	0	0	0	0	0	0	0	0	0.7	2.78	4.64	0.57	0.8	0.11
F3-89-P57	60	0	0	0	0	0	0	0	0	0	0	0.58	2.94	2.42	0.99	0.98	0.47
F3-89-P57	70	0	0	0	0	0	0	0	0	0	0	0.48	3.72	2.22	0.91	1.04	5.47
F3-89-P57	80	0	0	0	0	0	0	0	0	0	0	0.38	1.97	1.68	0.69	0.63	5.03
F3-89-P57	90	0	0	0	0	0	0	0	0	0	0	0.8	2.59	1.95	0.21	0.8	1.07
F3-89-P57	100	0	0	0	0	0	0	0	0	0	0	0.65	1.93	0	0	0.2	4.18
F3-89-P57	110	0	0	0	0	0	0	0	0	0	0	1.11	3.1	1.33	0.93	0.58	4.57
F3-89-P57	120	0	0	0	0	0	0	0	0	0	0	0.94	3.2	2.24	1.06	5.19	5.13
F3-89-P57	130	0	0	0	0	0	0	0	0	0	0	0.75	4.45	1.44	2.39	11.76	7.55

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	7.0 phi	7.5 phi	8.0 phi	8.5 phi	9.0 phi	14.0 phi	% Gravel	% Sand	% Silt	% Clay	% Mud	1st Moment	Variance	Std. Deviation	3rd Moment
F3-89-P55	172	17.6	21.43	16.19	11.59	11.34	15.54	0	1.25	60.28	38.47	98.75	8.03	3.1	1.76	0.63
F3-89-P55	186	16.78	18.8	14.3	13.07	13.6	11.46	0	0.2	61.67	38.13	99.8	7.83	2.81	1.68	0.61
F3-89-P55	200	14.54	20.71	14.39	11.89	13.53	11.67	0	0.16	62.75	37.09	99.84	7.83	2.78	1.67	0.67
F3-89-P55	214	10.2	25.23	15.46	14.1	17.98	12.33	0	0.48	55.11	44.42	99.52	8.1	2.4	1.55	0.72
F3-89-P55	232	13.41	17.89	17.14	18.25	12.92	11.65	0	0.14	57.04	42.82	99.86	7.91	2.84	1.69	0.39
F3-89-P55	242	13.34	19.18	15.5	13.89	11.57	10.94	0	0.22	63.39	36.39	99.78	7.78	2.71	1.65	0.7
F3-89-P55	253	12.87	18.31	16.09	14.99	18.52	13.35	0	0.51	52.63	46.86	99.49	8.12	2.66	1.63	0.55
F3-89-P55	261	18.39	20.56	11.11	8.16	10.77	9.28	0	0.1	71.69	28.21	99.9	7.54	2.53	1.59	1.02
F3-89-P55	275	16.6	14.29	11.94	8.14	8.56	12.15	0	0.14	71.01	28.85	99.86	7.51	3.29	1.81	0.91
F3-89-P55	283	11.12	13.02	10.96	4.98	8.95	7.12	0	0.38	78.57	21.05	99.62	6.86	3.39	1.84	0.82
F3-89-P55	292	15.68	21.62	15.35	10.52	11.64	13.37	0	0.21	64.26	35.53	99.79	7.91	2.8	1.67	0.86
F3-89-P55	298	1.2	0.57	0.48	0.24	0.34	0.25	0	35.72	63.46	0.82	64.28	4.36	0.99	0.99	1.82
F3-89-P55	304	16.85	21.08	14.95	9.59	10.97	12.51	0	0.68	66.24	33.08	99.32	7.78	2.98	1.73	0.71
F3-89-P55	316	6.63	26.85	12.81	14.48	10.62	19.16	0	0.18	55.56	44.26	99.82	8.17	3.66	1.91	0.39
F3-89-P55	328	13.29	19.8	12.2	13.32	7.45	16.79	0	0.2	62.23	37.56	99.8	7.91	3.58	1.89	0.64
F3-89-P55	338	0.63	0.57	0.34	0.17	0.23	0.24	0	44.92	54.44	0.64	55.08	4.19	0.78	0.89	2.46
F3-89-P56	10	8.69	11.4	8.41	6.09	6.98	9.73	0	3.38	73.83	22.79	96.62	6.97	3.64	1.91	1
F3-89-P56	30	16.46	11.07	13.33	10.15	1.66	11	0	1.09	76.1	22.81	98.91	7.31	3.09	1.76	1.13
F3-89-P56	39	1.5	1.06	0.69	0.63	0	0.91	0	54.43	44.03	1.54	45.57	4.18	1.49	1.22	2.65
F3-89-P56	50	13.2	15.26	11.77	7.88	0.5	12.61	0	3.33	75.67	21	96.67	7.21	3.77	1.94	0.94
F3-89-P56	60	21.92	15.29	13.22	11.51	0.92	13.37	0	2.99	71.21	25.8	97.01	7.51	3.39	1.84	0.9
F3-89-P56	68	3.15	3.6	0.39	1.58	0.01	1.58	0	42.96	53.87	3.16	57.04	4.55	2.12	1.46	2.22
F3-89-P56	80	11.22	14.27	12.94	5.91	3.27	11.15	0	0.97	78.7	20.33	99.03	7.1	3.72	1.93	0.95
F3-89-P56	90	19.13	13.32	12.72	9.86	0.37	14.62	0	2.42	72.73	24.84	97.58	7.37	4.1	2.02	0.79
F3-89-P56	100	16.44	19.15	10.52	9.61	3.78	14.76	0	0.62	71.24	28.14	99.38	7.67	3.24	1.8	1.11
F3-89-P56	108	4.62	3.34	2.4	1.65	0.01	2.1	0	7.73	88.51	3.76	92.27	5.26	1.91	1.38	2.19
F3-89-P56	140	17.26	12.74	15	7.36	6.02	11.58	0	2.62	72.42	24.96	97.38	7.41	3.29	1.82	0.89
F3-89-P56	148	12.88	17.46	13.8	10.59	12.21	16.06	0	1.44	59.69	38.87	98.56	7.92	3.61	1.9	0.51
F3-89-P56	160	13	10.39	12.15	5.94	7.74	6.69	0	1.13	78.49	20.38	98.87	6.92	2.96	1.72	0.98
F3-89-P56	170	14.73	16.23	11.81	10.35	10.06	13.2	0	3.54	62.86	33.61	96.46	7.64	3.6	1.9	0.53
F3-89-P56	182	6.96	6.69	5.64	4.33	5.41	5.14	0	16.18	68.94	14.88	83.82	5.86	4.24	2.06	0.98
F3-89-P56	189	3.64	3.55	3.97	1.95	3.19	2.37	0	20.51	71.97	7.51	79.49	5.12	2.92	1.71	1.7
F3-89-P56	202	0.9	1.12	0.25	0.42	0.38	0.35	0	39.61	59.24	1.15	60.39	4.29	1.04	1.02	2.2
F3-89-P57	10	16.63	17.73	9.49	12.3	13.22	12.47	0	0.49	61.53	37.98	99.51	7.82	2.81	1.68	0.91
F3-89-P57	20	9.19	16.02	8.94	10.08	10.3	10.49	0	0.5	68.64	30.86	99.5	7.23	3.97	1.99	0.53
F3-89-P57	30	10.03	20.67	14.12	15.09	12.83	17.47	0	0.72	53.89	45.39	99.28	8.1	3.63	1.9	0.31
F3-89-P57	40	13.11	19.5	14.23	12.95	14.17	15.6	0	0.54	56.73	42.73	99.46	7.98	3.59	1.9	0.3
F3-89-P57	50	9.94	14.15	11.67	14.83	23.91	15.91	0	0.7	44.65	54.64	99.3	8.19	3.39	1.84	0.14
F3-89-P57	60	6.34	18.84	11.38	15.94	21.79	17.32	0	0.58	44.37	55.05	99.42	8.29	3.3	1.82	0.21
F3-89-P57	70	13.93	15.44	12.54	13.12	14.53	16.61	0	0.48	55.27	44.26	99.52	8.03	3.57	1.89	0.43
F3-89-P57	80	12.83	16.38	14.2	13.79	13.64	18.79	0	0.38	53.41	46.21	99.62	8.21	3.41	1.85	0.52
F3-89-P57	90	9.74	20.82	13.2	16.51	12.3	20	0	0.8	50.4	48.81	99.2	8.29	3.53	1.88	0.37
F3-89-P57	100	12.46	17.9	13.54	16.12	17.93	15.09	0	0.65	50.21	49.14	99.35	8.2	2.75	1.66	0.61
F3-89-P57	110	7.25	17.92	16.15	15.13	16.93	15.01	0	1.11	51.82	47.07	98.89	8.1	3.17	1.78	0.34
F3-89-P57	120	8.49	12.38	14.54	16.22	15.51	15.1	0	0.94	52.24	46.83	99.06	7.98	3.51	1.87	0.34
F3-89-P57	130	13.03	13.56	10.26	12.01	12.16	10.64	0	0.75	64.44	34.81	99.25	7.5	3.33	1.83	0.63

Table 2 continued. F3-89-SC grain size.

core	depth in core (cm)	4th Moment	F&W median	F&W mean	F&W sorting	F&W skewness	F&W kurtosis
F3-89-P55	172	3.41	7.63	7.79	1.58	0.23	1.8
F3-89-P55	186	3.82	7.58	7.6	1.43	0.09	1.72
F3-89-P55	200	3.82	7.55	7.57	1.46	0.1	1.69
F3-89-P55	214	4.08	7.81	7.8	1.12	0.26	1.41
F3-89-P55	232	3.88	7.79	7.7	1.47	-0.06	1.99
F3-89-P55	242	3.92	7.56	7.62	1.49	0.13	1.64
F3-89-P55	253	3.74	7.9	7.83	1.38	0.06	1.66
F3-89-P55	261	4.34	7.21	7.4	1.35	0.34	1.28
F3-89-P55	275	3.46	7.17	7.26	1.59	0.23	1.34
F3-89-P55	283	3.54	6.79	6.78	1.74	0.06	0.98
F3-89-P55	292	3.65	7.52	7.64	1.31	0.36	1.39
F3-89-P55	298	10.82	4.28	4.25	0.87	0.06	1.07
F3-89-P55	304	3.7	7.45	7.56	1.53	0.18	1.79
F3-89-P55	316	2.88	7.77	8.07	1.76	0.27	2.27
F3-89-P55	328	3	7.49	7.68	1.75	0.23	1.77
F3-89-P55	338	16.61	4.08	4.08	0.68	0.09	1.12
F3-89-P56	10	3.62	6.58	6.81	1.71	0.32	1.07
F3-89-P56	30	4.13	6.9	6.99	1.45	0.3	1.48
F3-89-P56	39	14.21	3.89	3.98	0.91	0.34	1.22
F3-89-P56	50	3.62	6.93	7.02	2.05	0.28	2.16
F3-89-P56	60	3.72	7.13	7.14	1.64	0.22	2.09
F3-89-P56	68	9.78	4.18	4.35	1.11	0.41	1.34
F3-89-P56	80	3.57	6.9	6.88	1.77	0.11	1.39
F3-89-P56	90	3.19	7.03	7.08	1.9	0.18	1.73
F3-89-P56	100	3.46	7.18	7.42	1.51	0.43	1.48
F3-89-P56	108	9.76	4.9	5.17	1.1	0.42	1.34
F3-89-P56	140	3.72	7.1	7.19	1.62	0.19	1.52
F3-89-P56	148	3.03	7.59	7.68	1.73	0.16	1.64
F3-89-P56	160	4.01	6.73	6.79	1.53	0.16	0.89
F3-89-P56	170	3.34	7.35	7.43	1.73	0.12	1.61
F3-89-P56	182	3.62	5.33	5.74	1.85	0.3	0.84
F3-89-P56	189	5.99	4.48	5.08	1.55	0.58	1.43
F3-89-P56	202	13.14	4.19	4.18	0.81	0.12	1.11
F3-89-P57	10	3.56	7.41	7.49	1.37	0.3	1.23
F3-89-P57	20	3.02	7.18	7.07	1.9	0.01	1.16
F3-89-P57	30	3.03	7.83	7.96	1.74	0.14	2.21
F3-89-P57	40	3.16	7.73	7.8	1.71	0.1	1.9
F3-89-P57	50	3.15	8.17	7.99	1.66	-0.1	1.88
F3-89-P57	60	3.17	8.18	8.16	1.67	0.02	2.04
F3-89-P57	70	2.96	7.77	7.83	1.74	0.11	1.72
F3-89-P57	80	2.85	7.86	8.03	1.64	0.26	1.7
F3-89-P57	90	2.9	7.95	8.16	1.82	0.18	2.14
F3-89-P57	100	3.51	7.97	7.94	1.34	0.17	1.47
F3-89-P57	110	3.4	7.91	7.88	1.59	0.04	1.96
F3-89-P57	120	3.03	7.9	7.71	1.73	-0.06	1.7
F3-89-P57	130	3.32	7.31	7.35	1.71	0.1	1.28

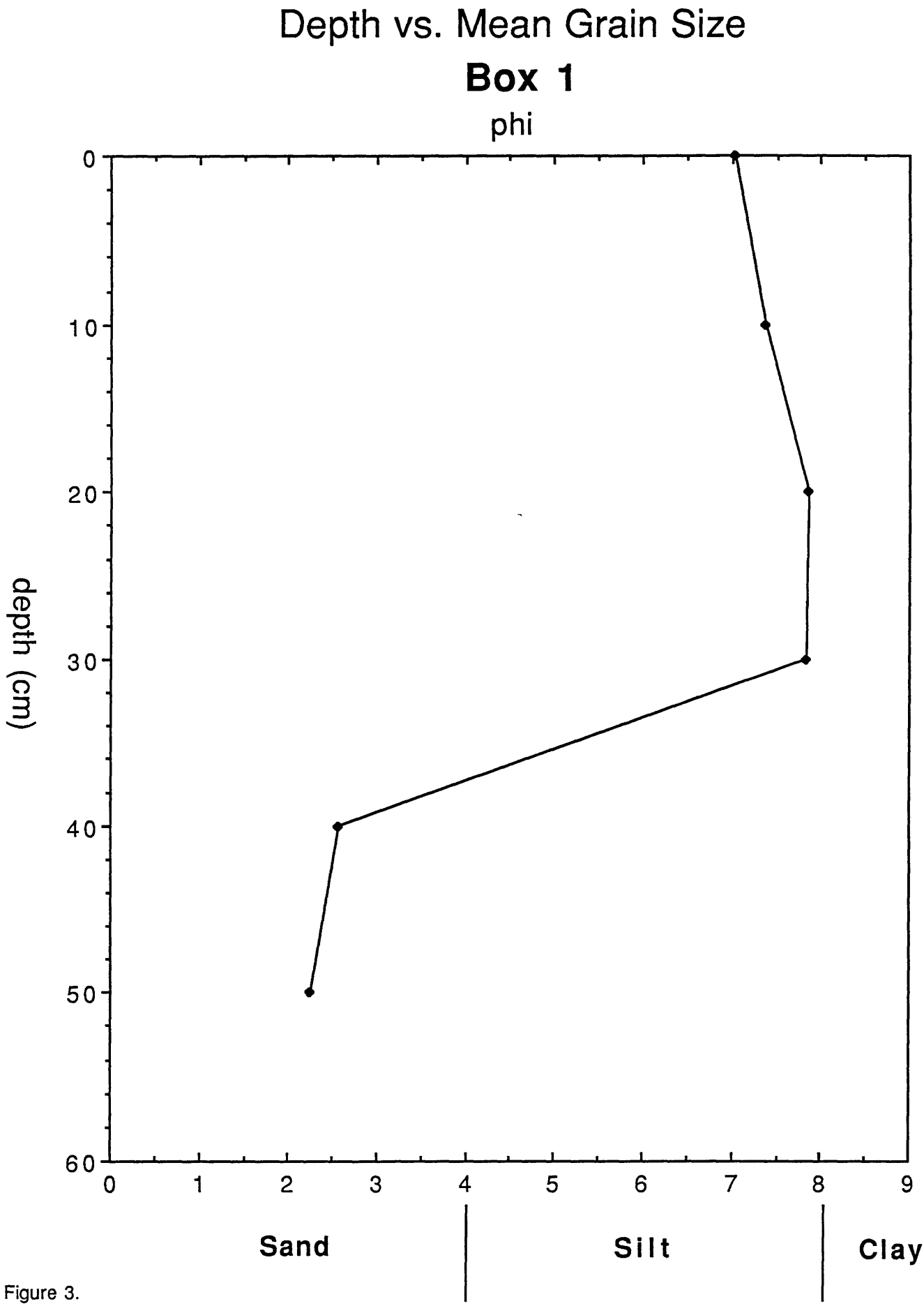
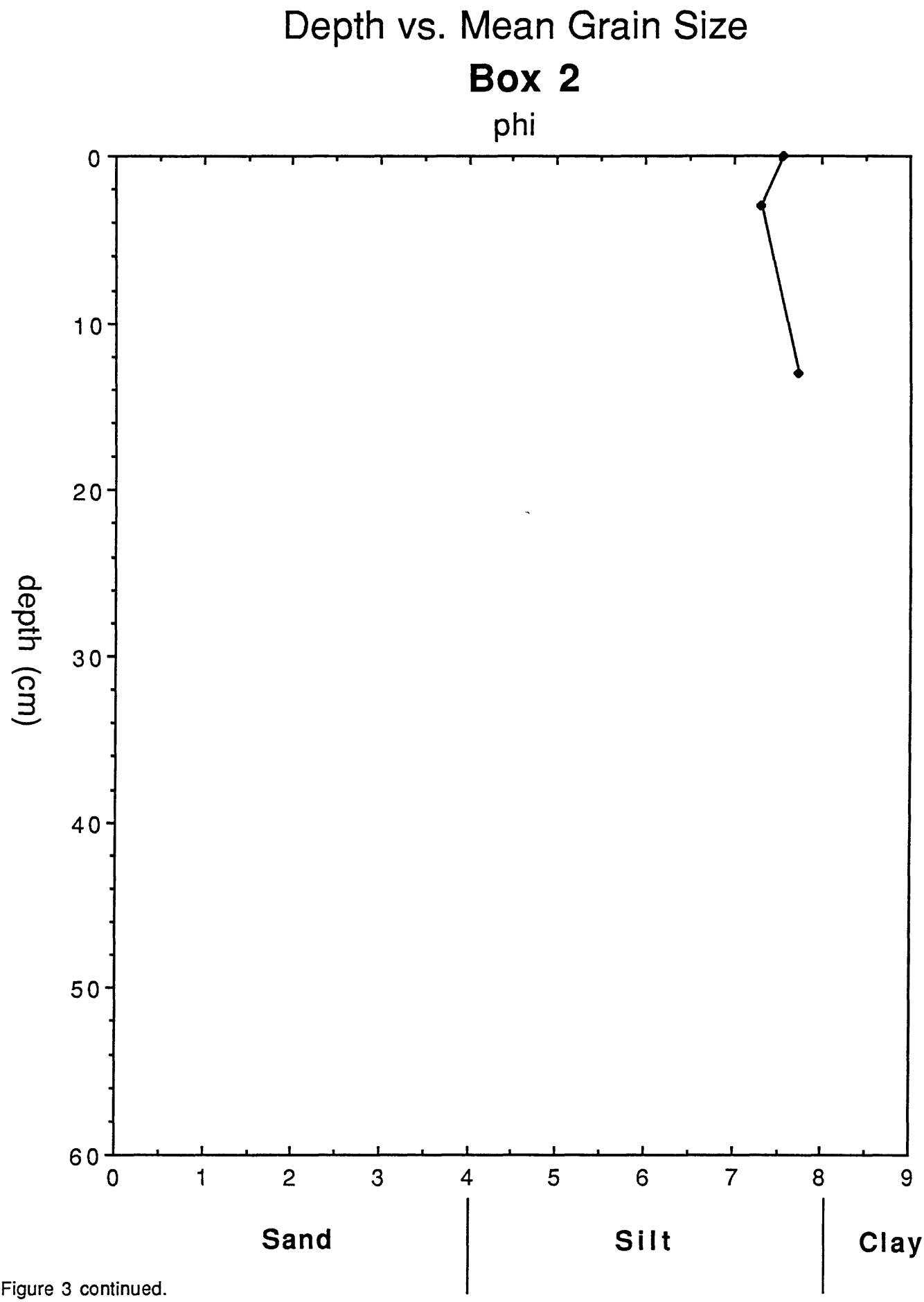

Depth vs. Mean Grain Size
Box 1
phi
depth (cm)
0
10
20
30
40
50
60
0
1
2
3
4
5
6
7
8
9
Sand
Silt
Clay

Figure 3.



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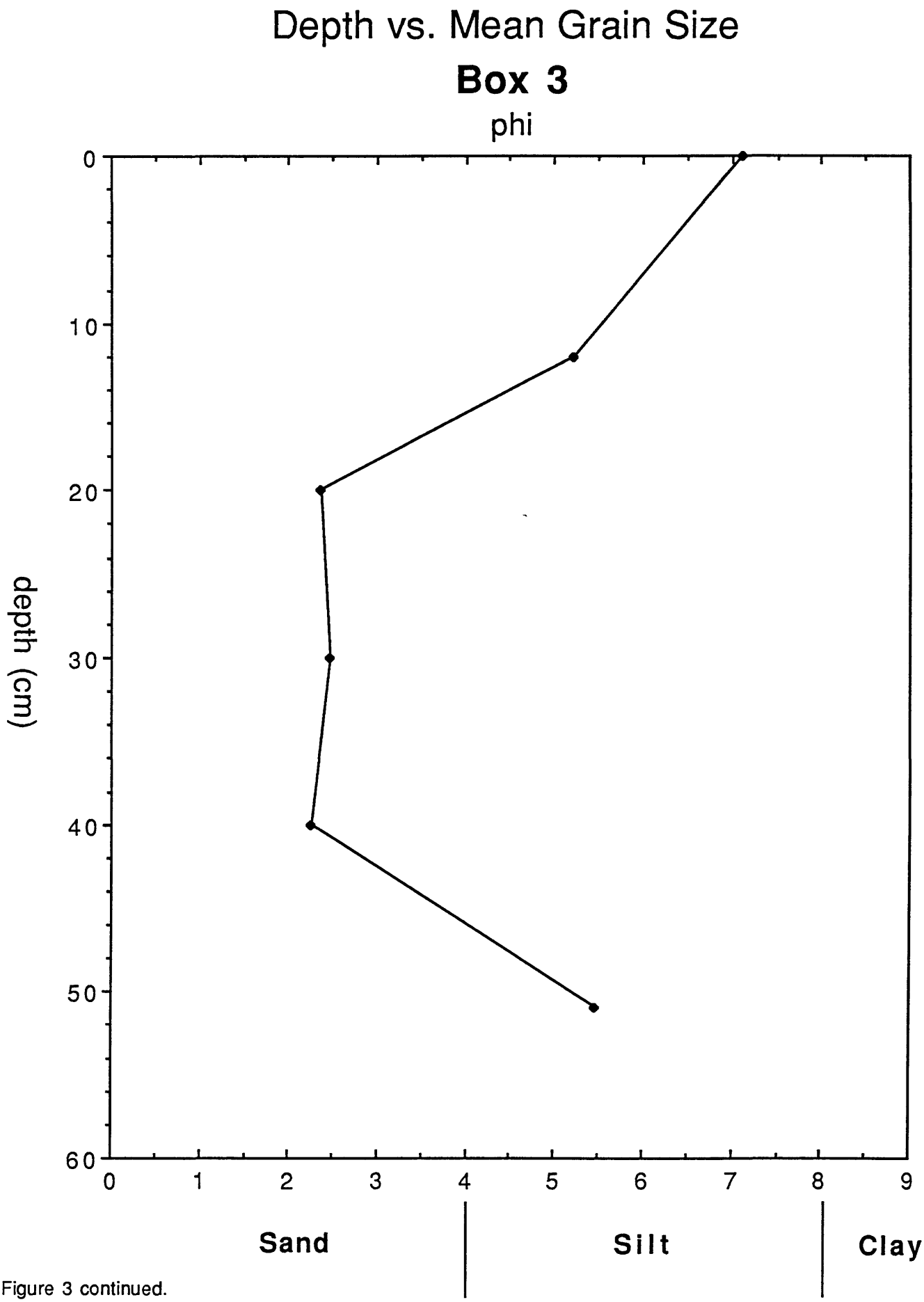

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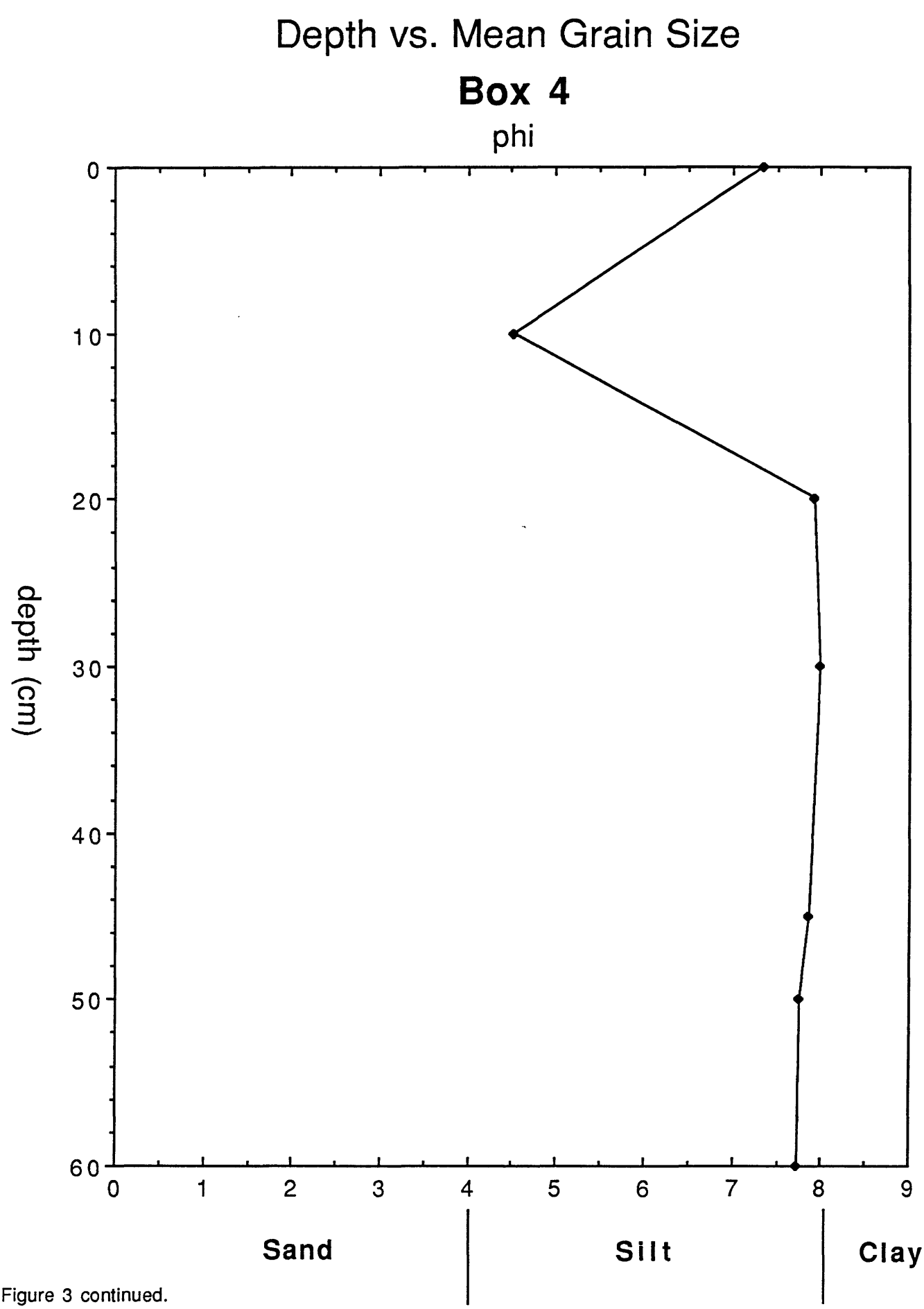

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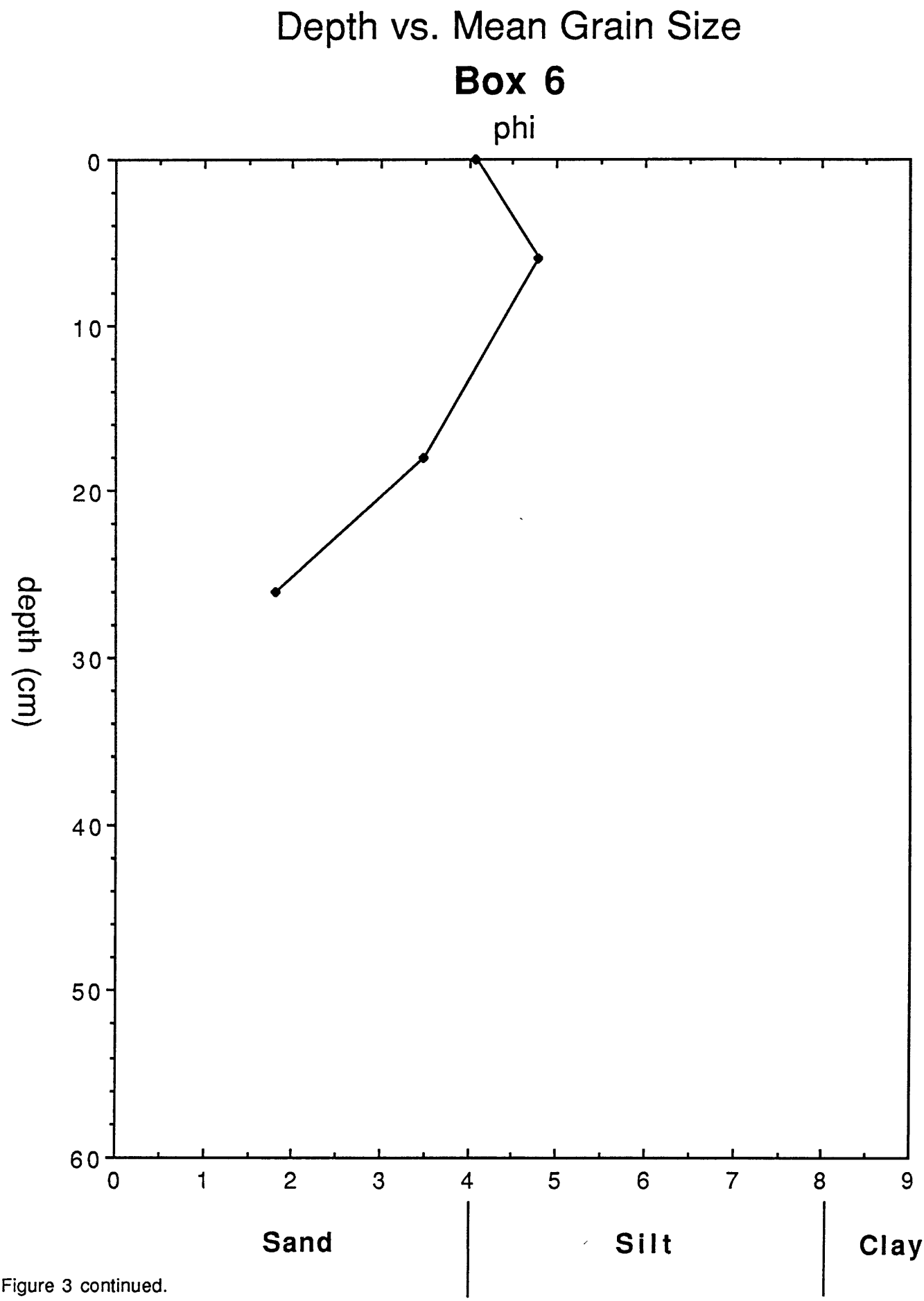

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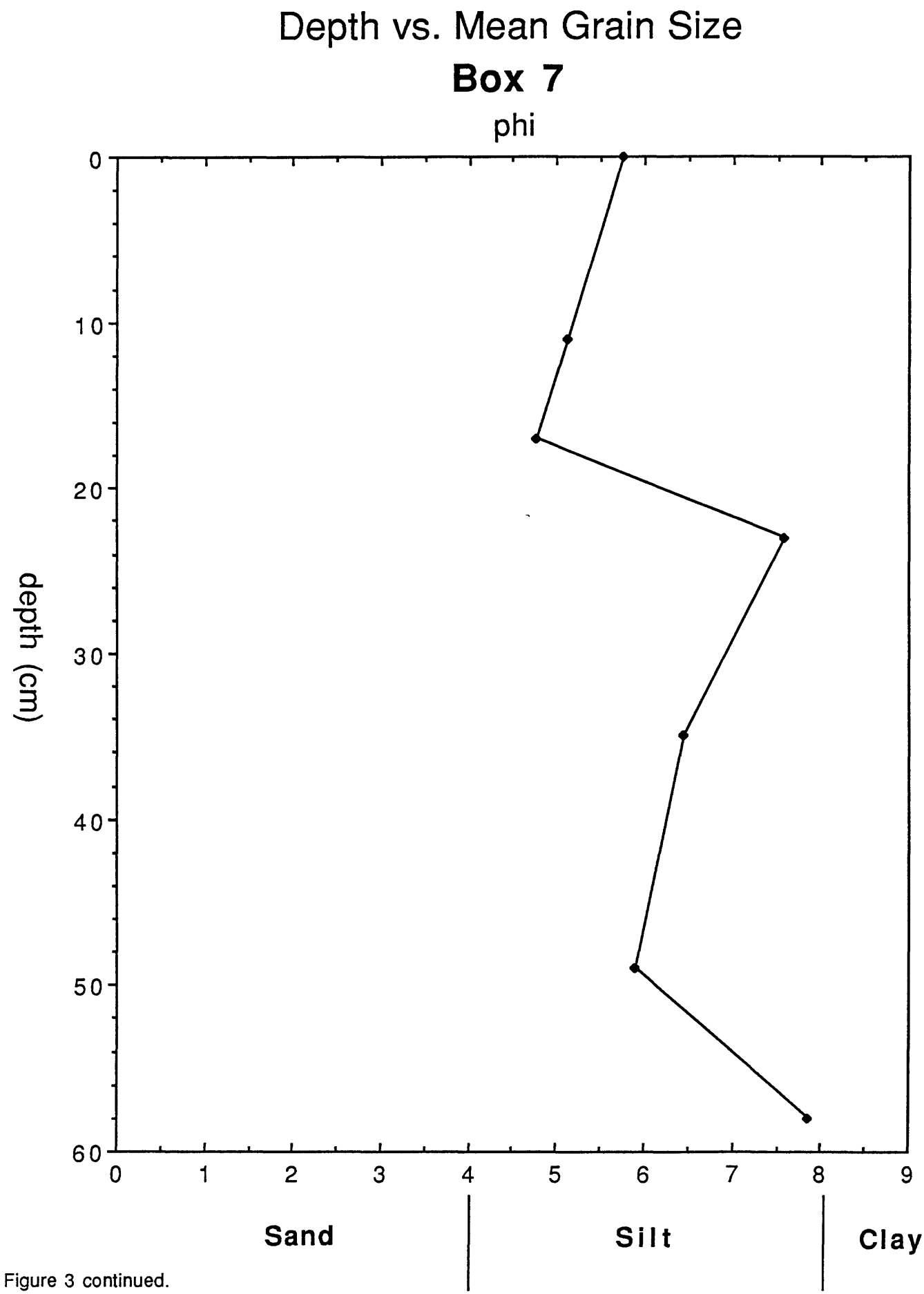

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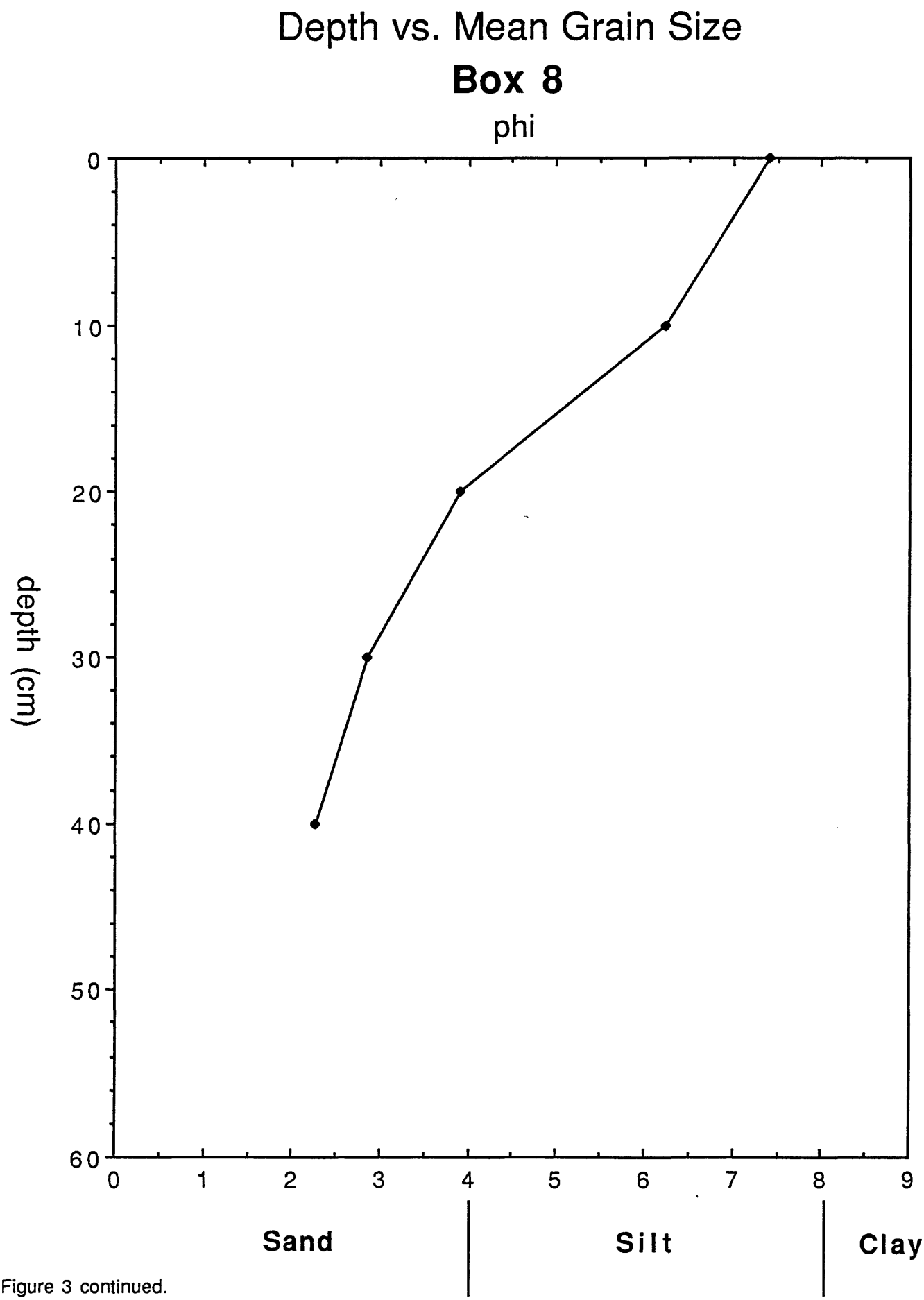

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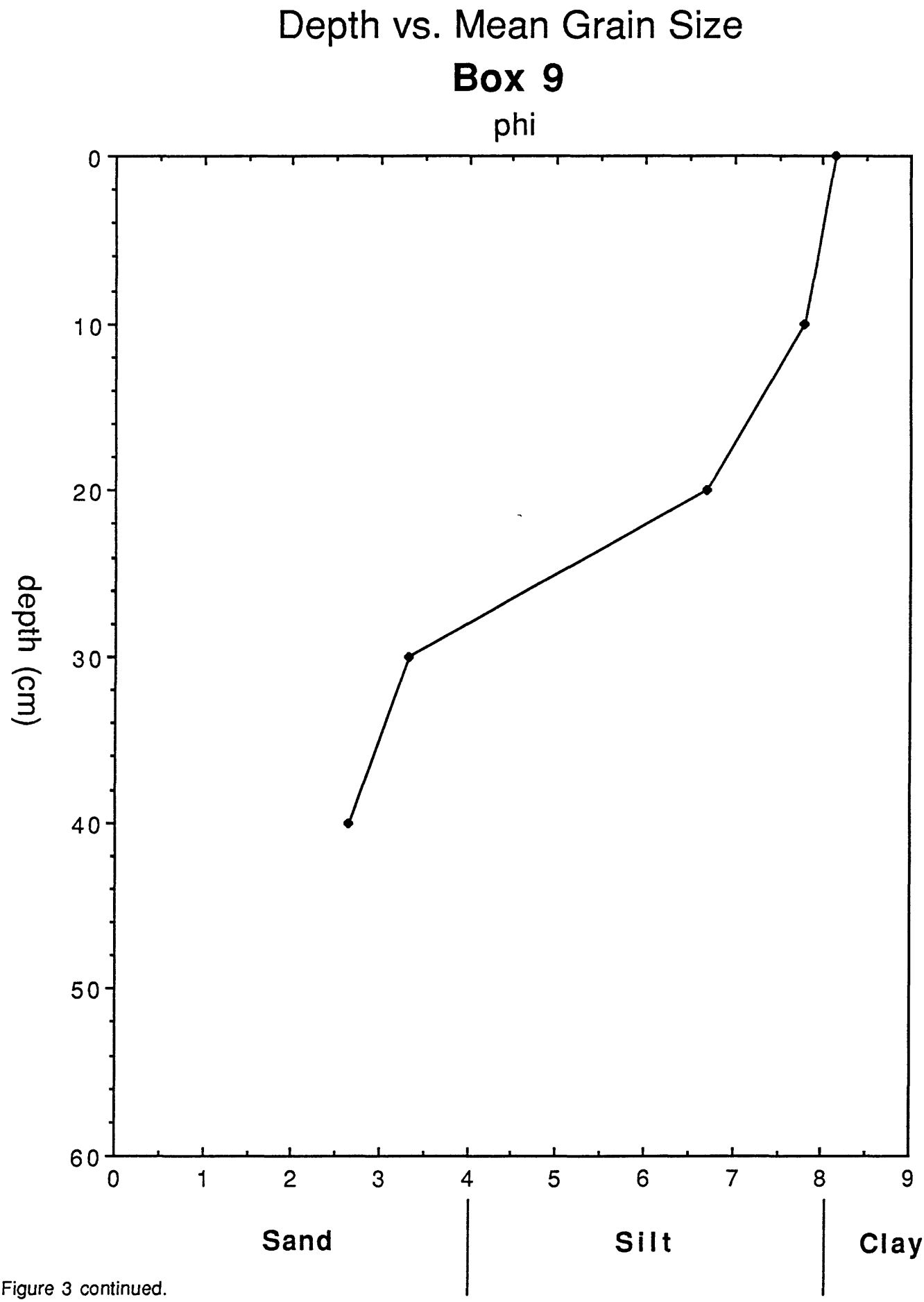

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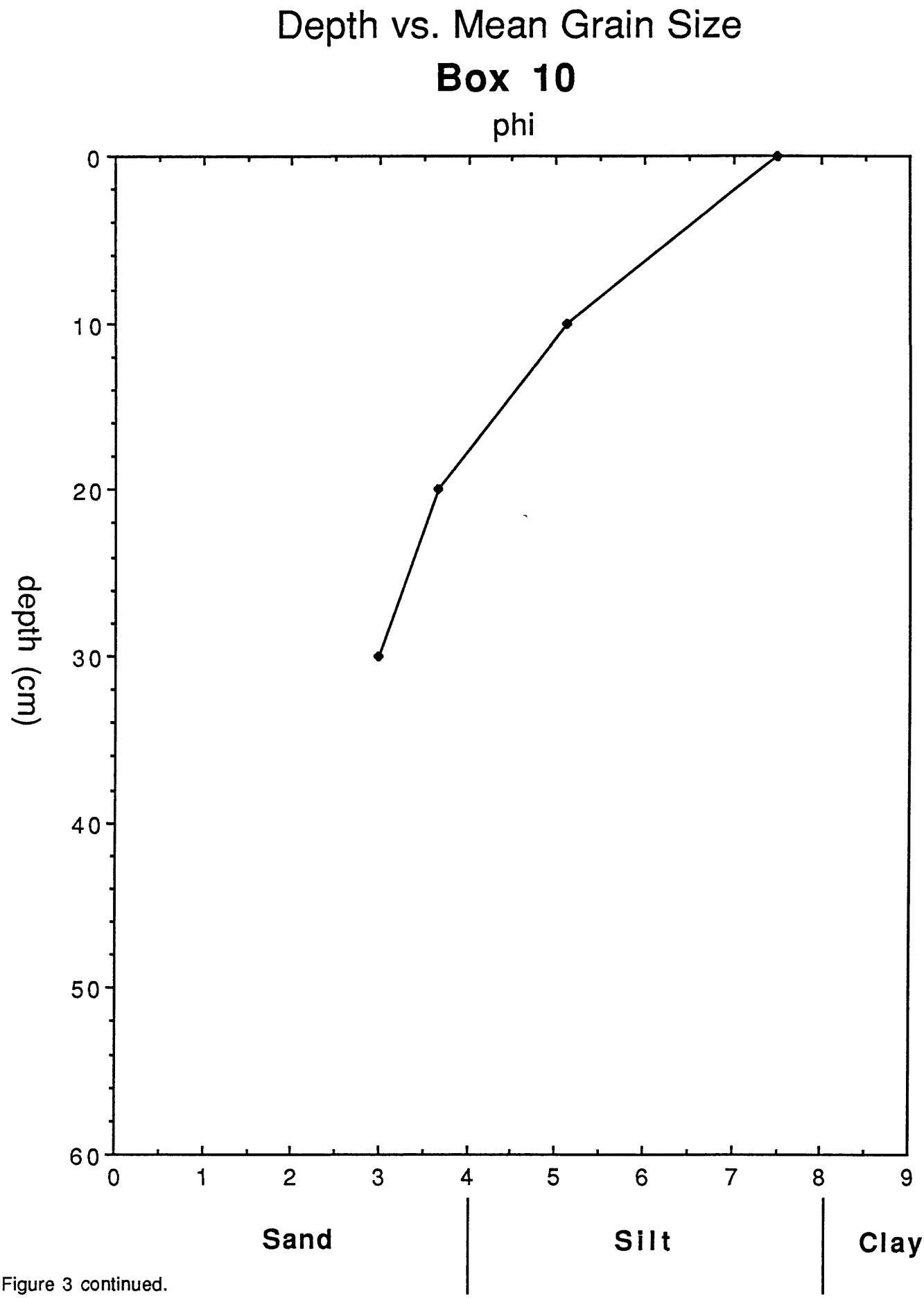

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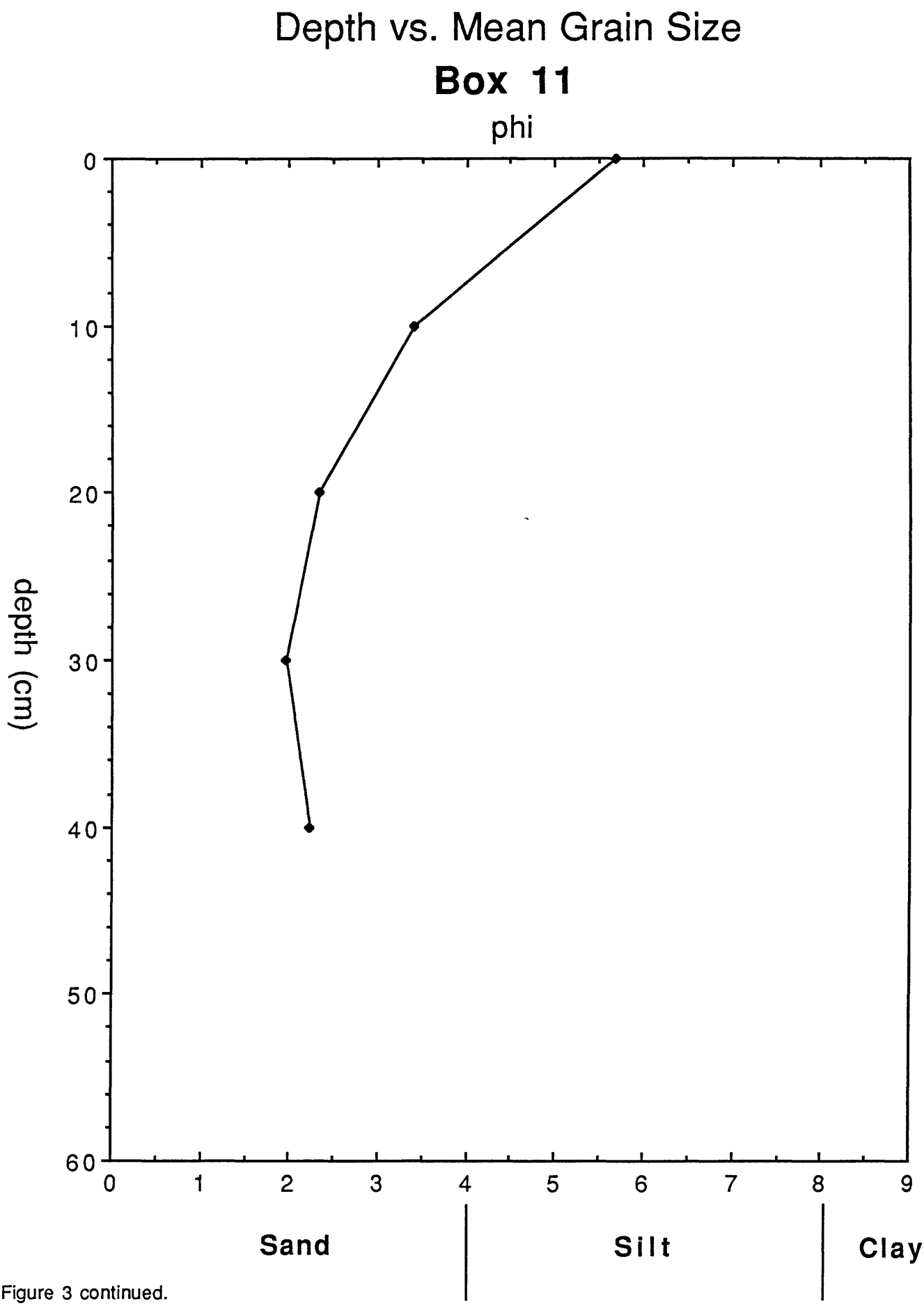

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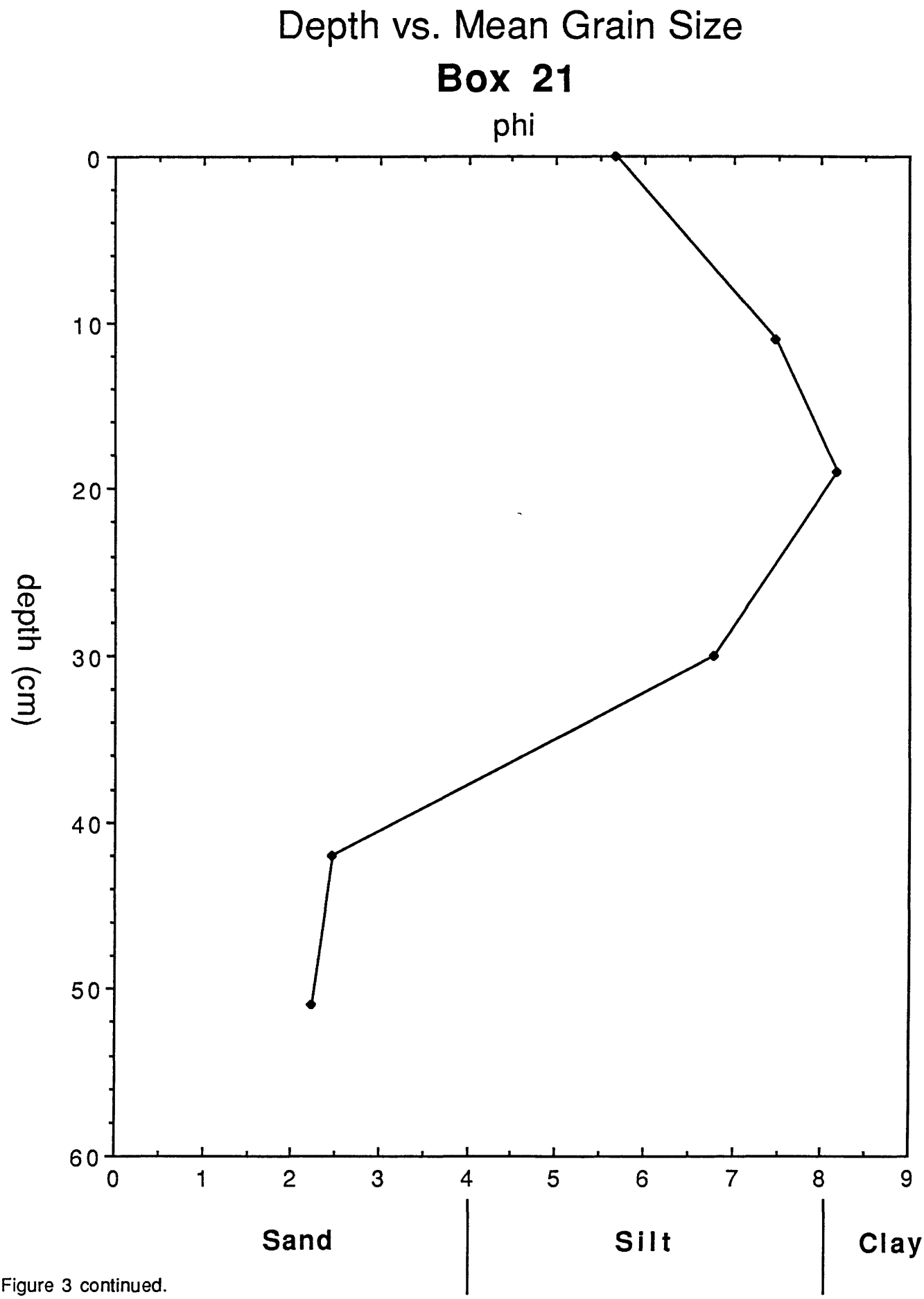

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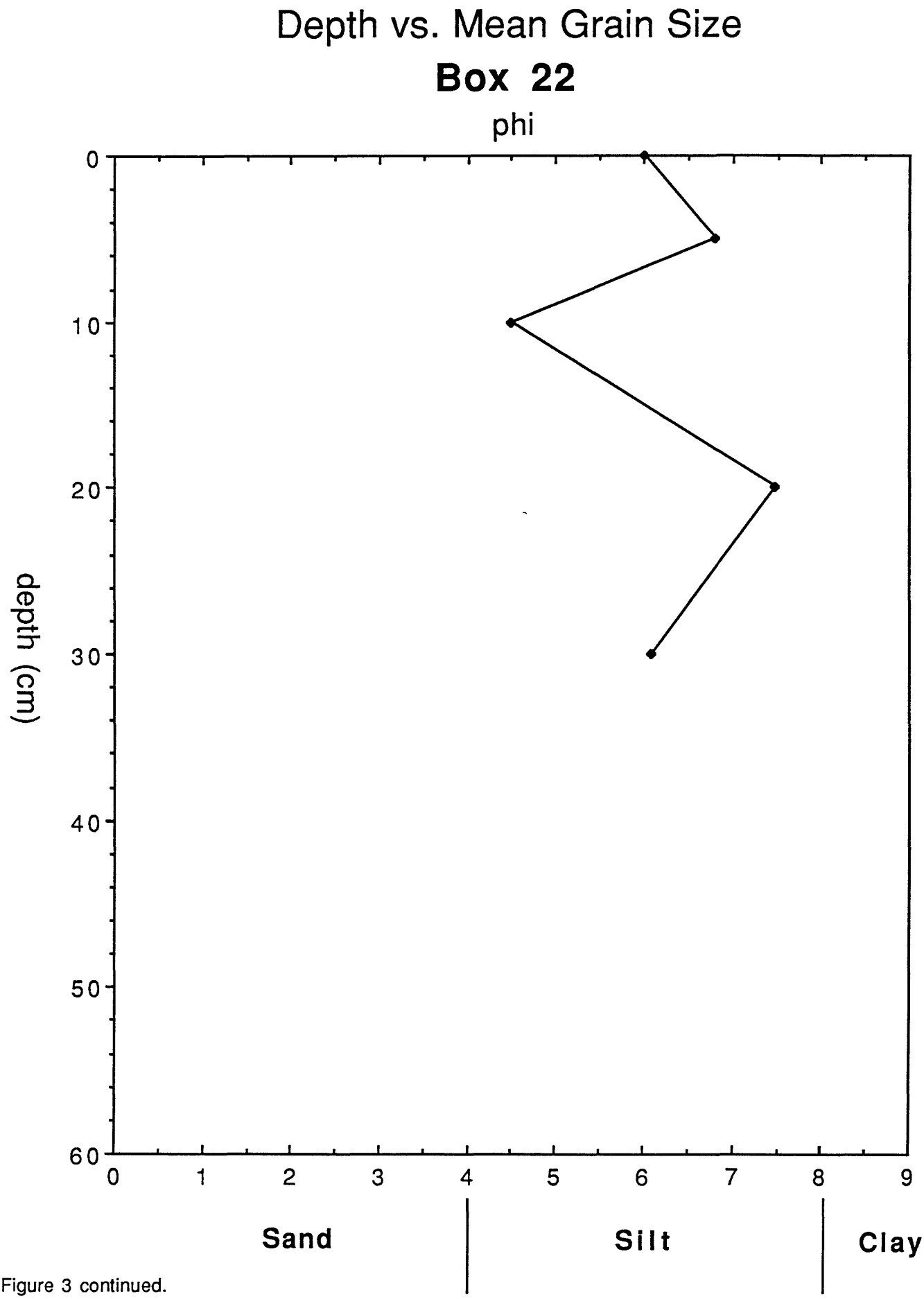

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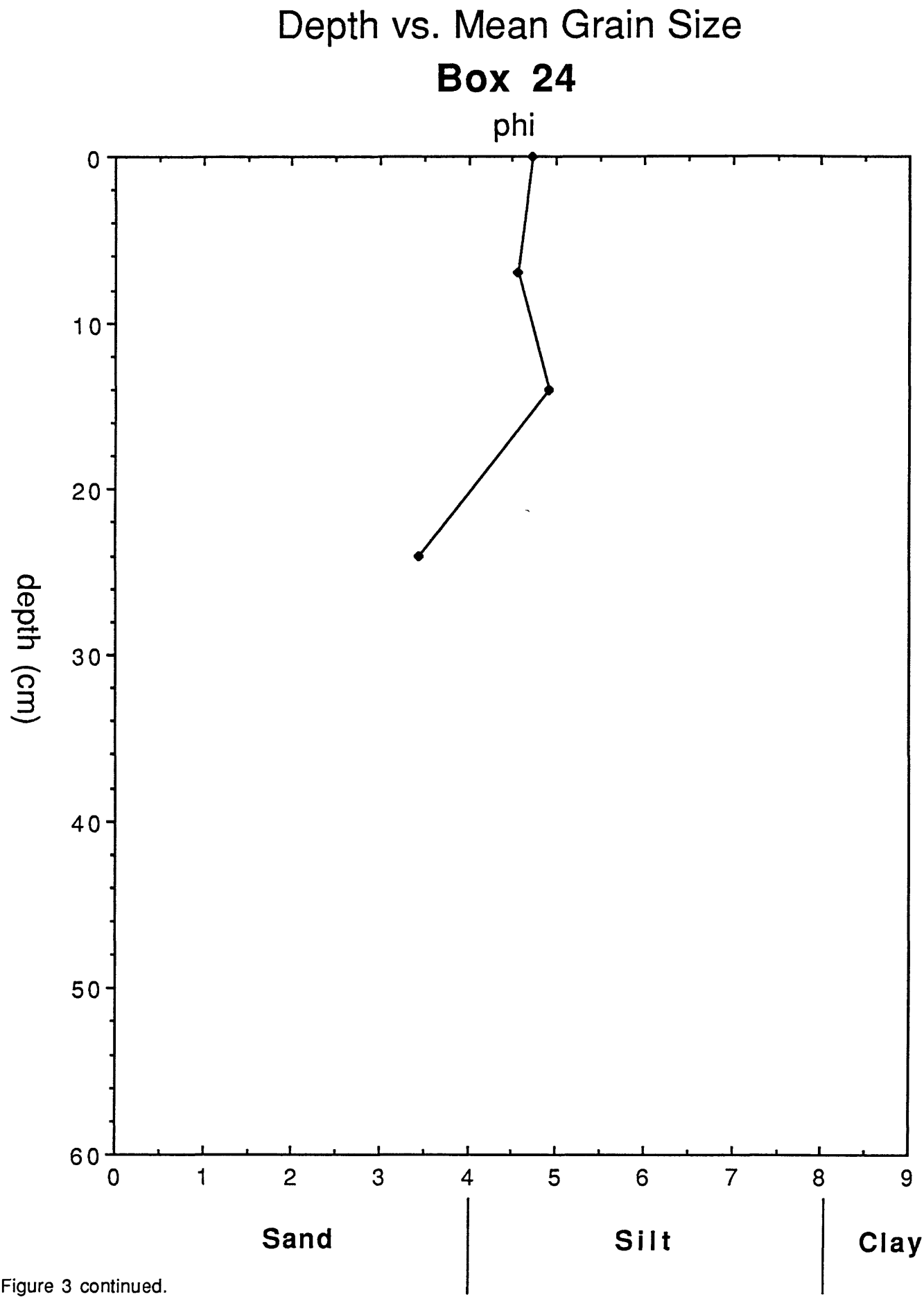

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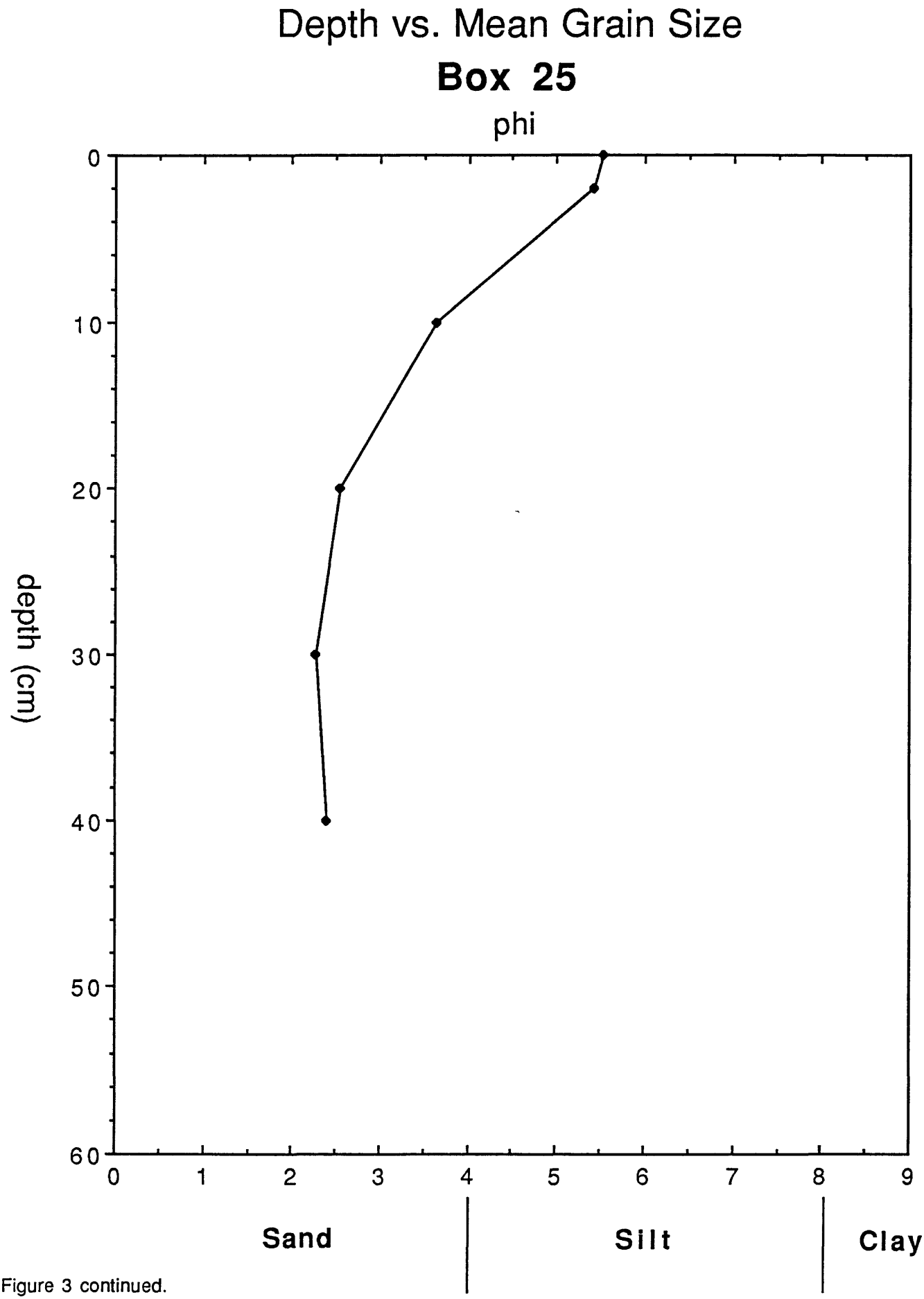

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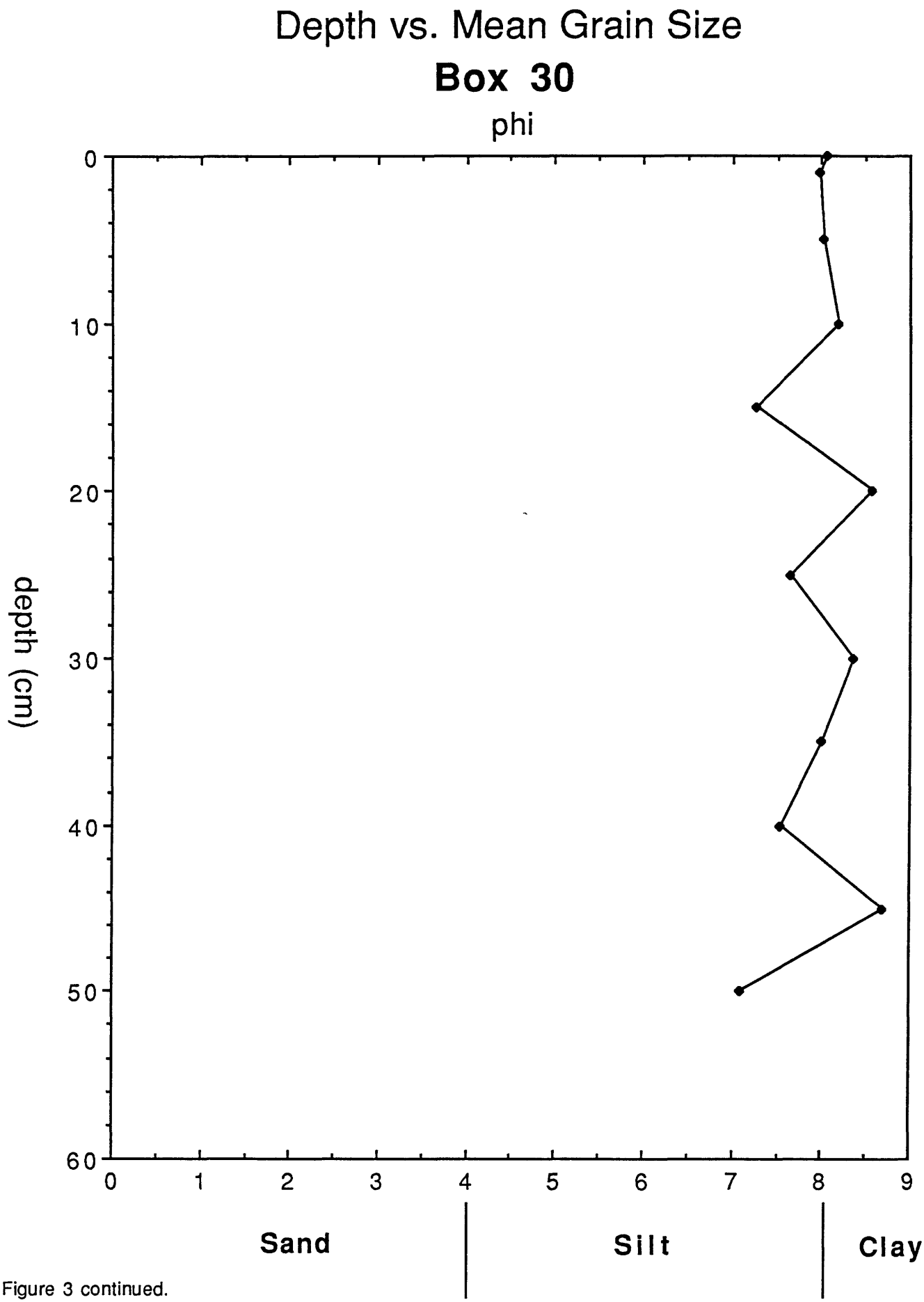

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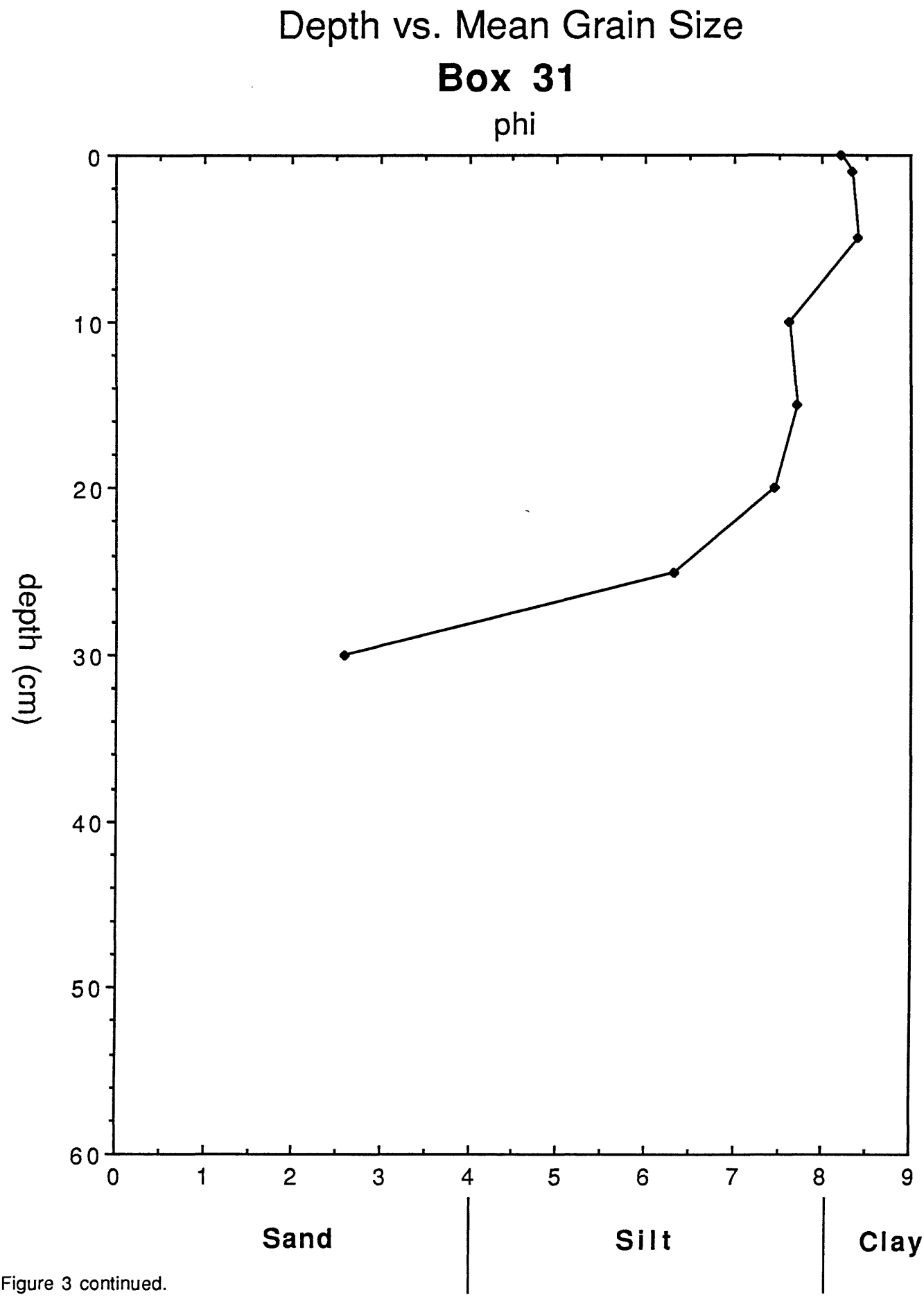

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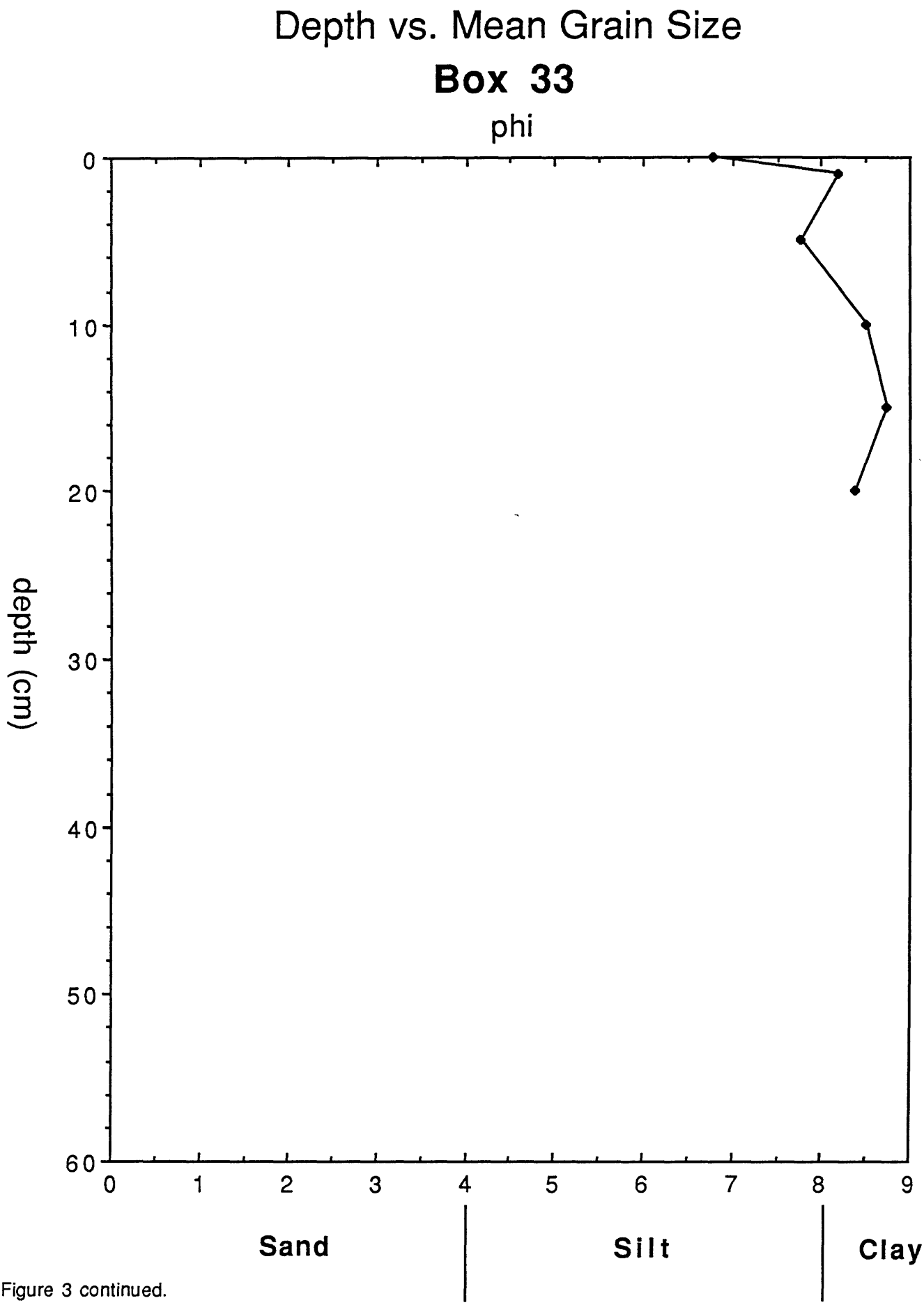

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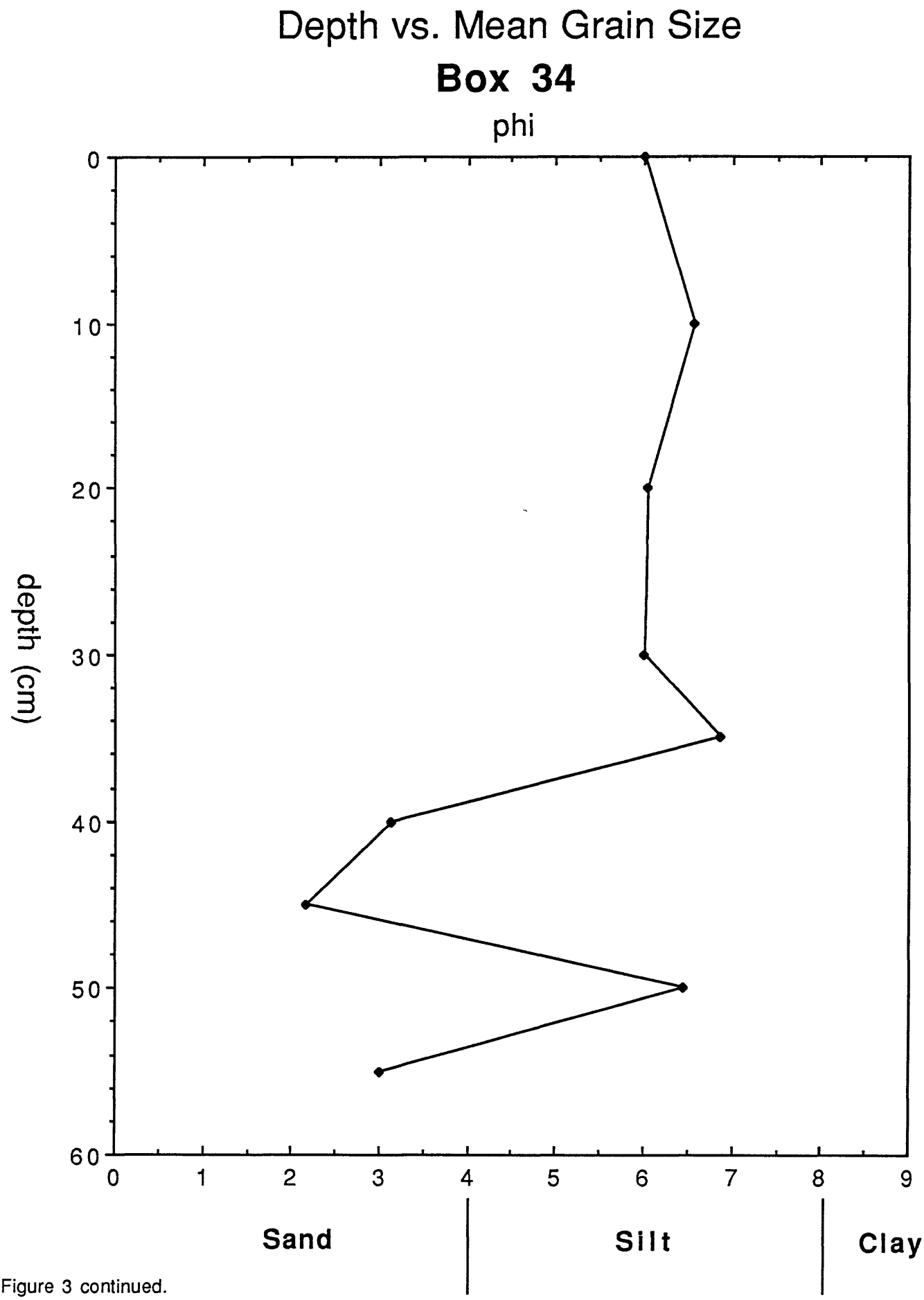

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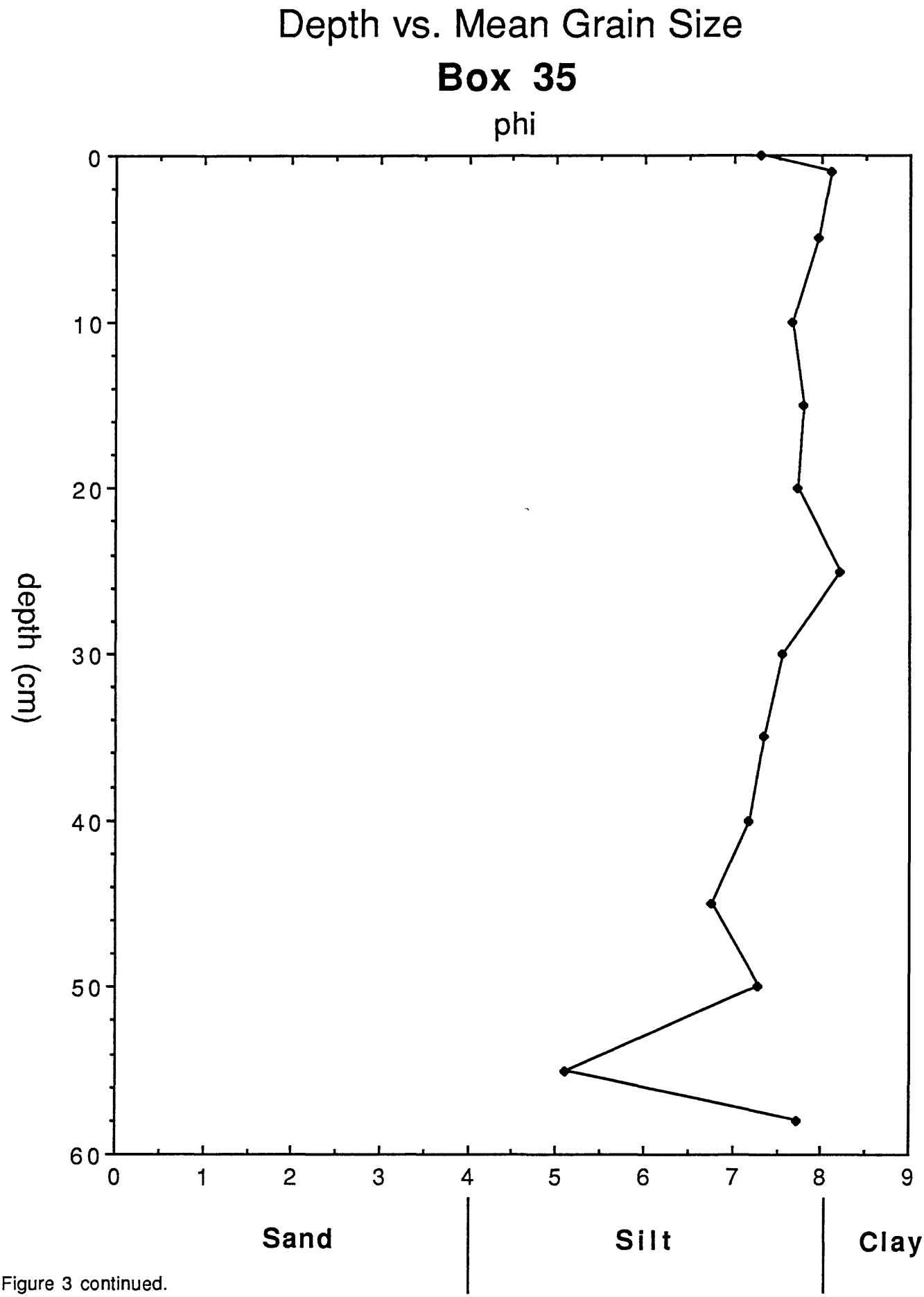

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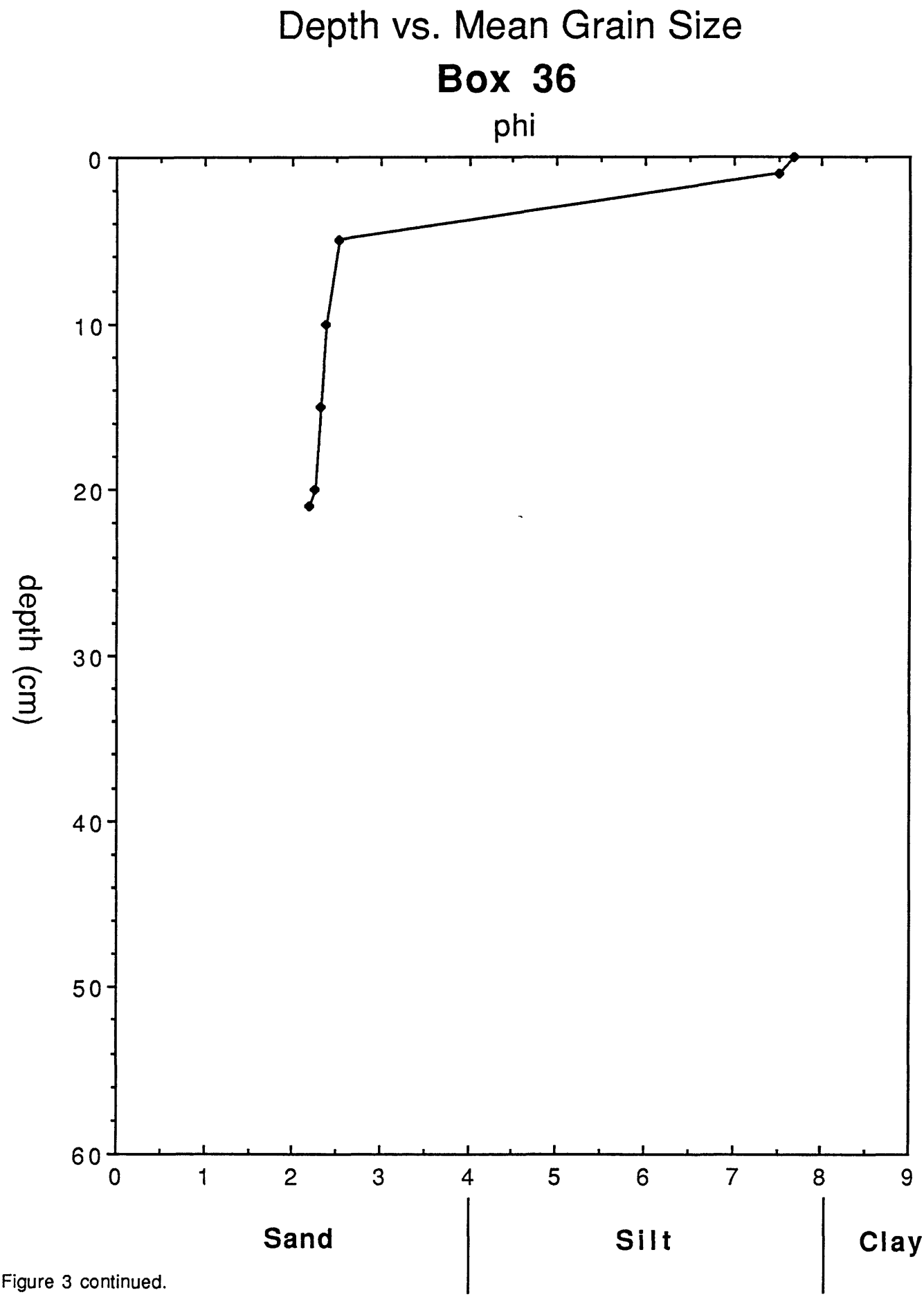

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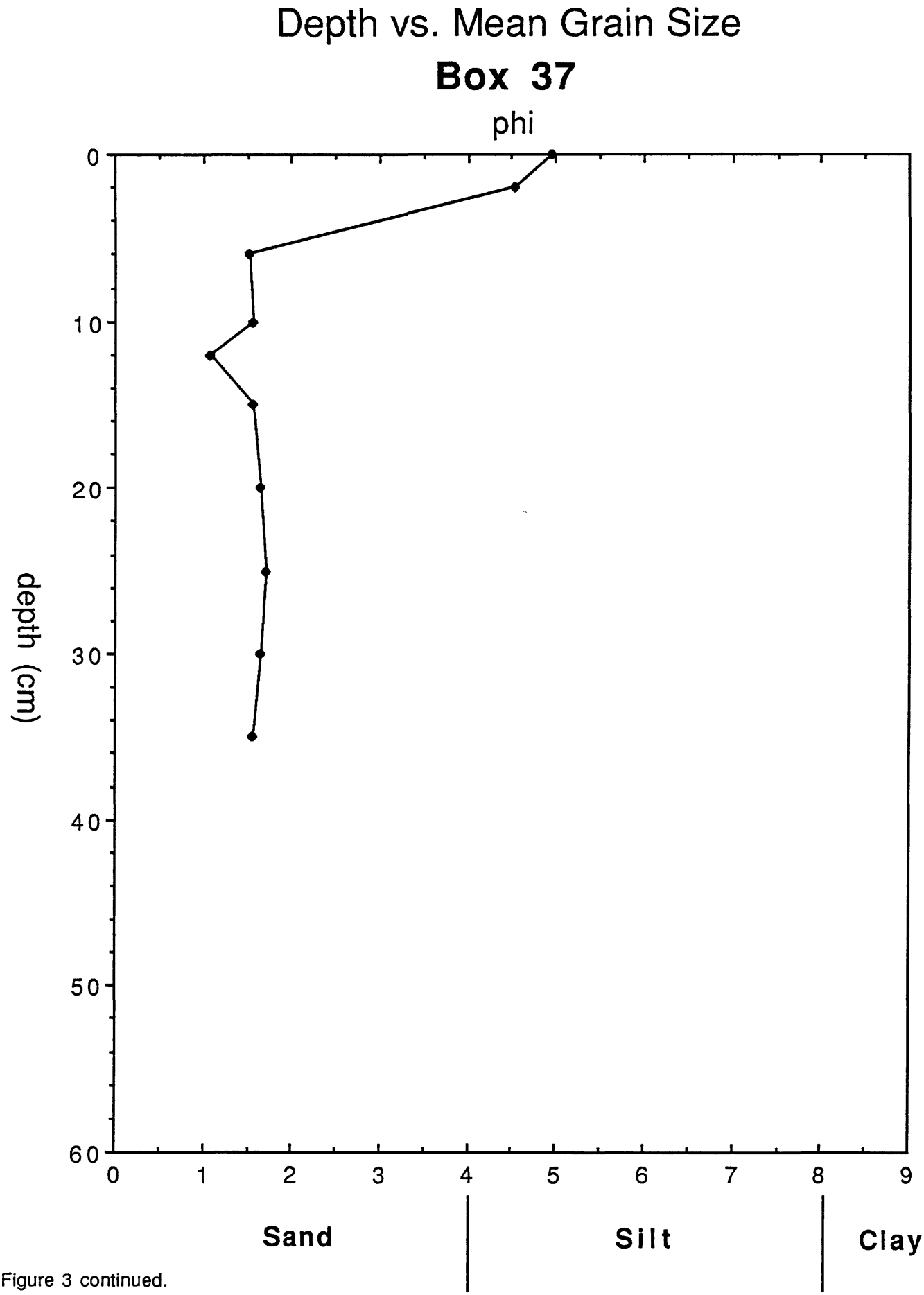

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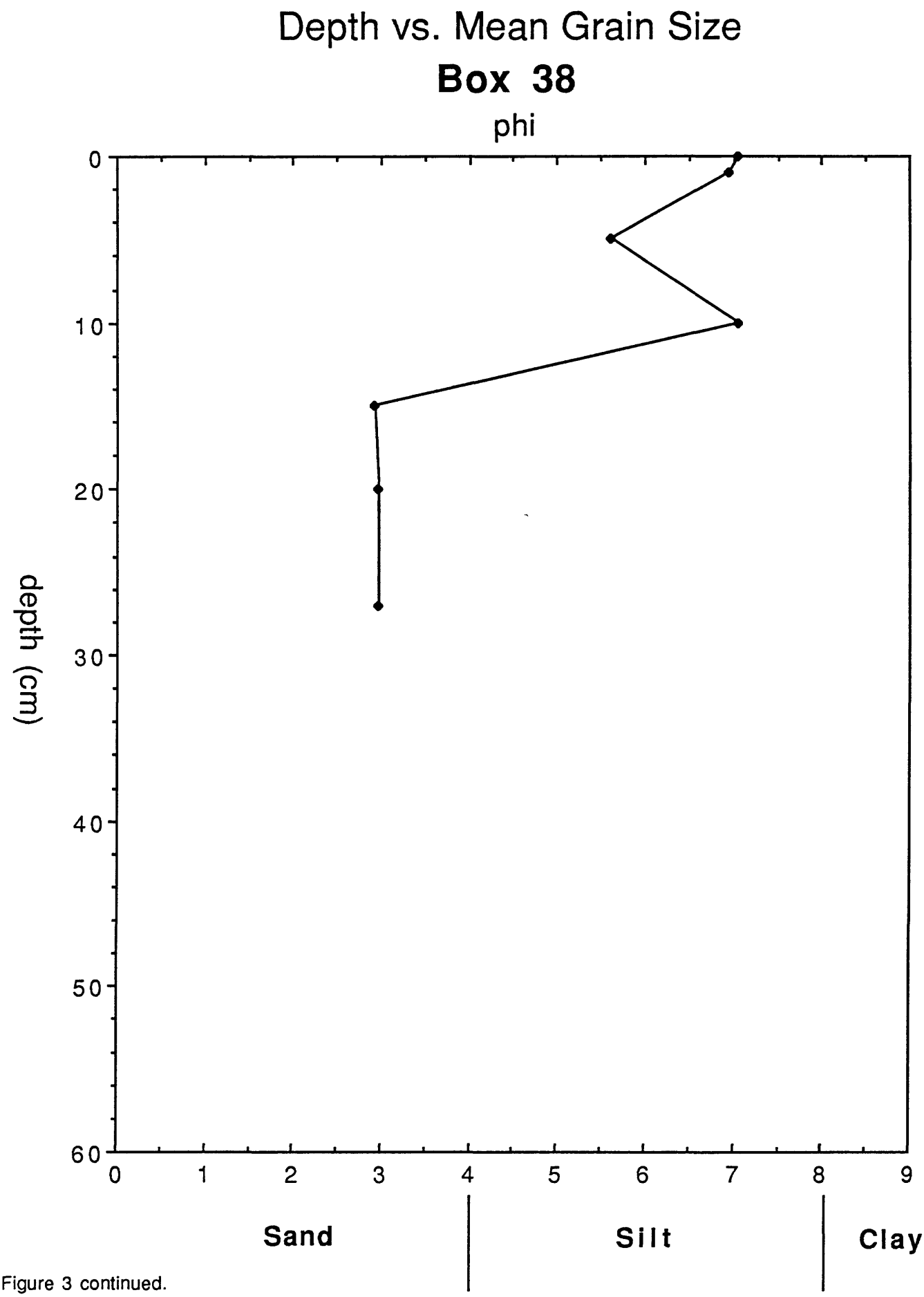

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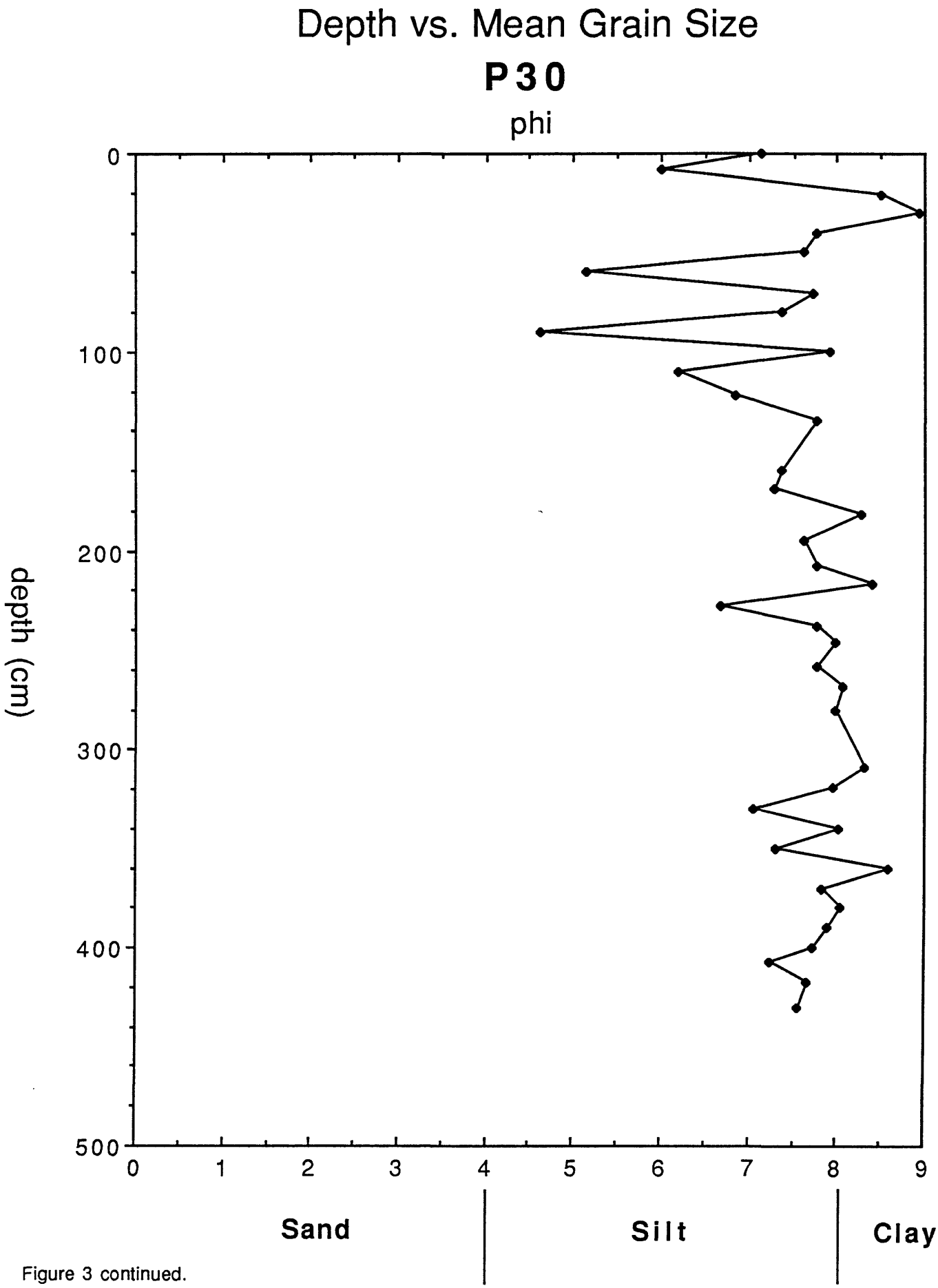

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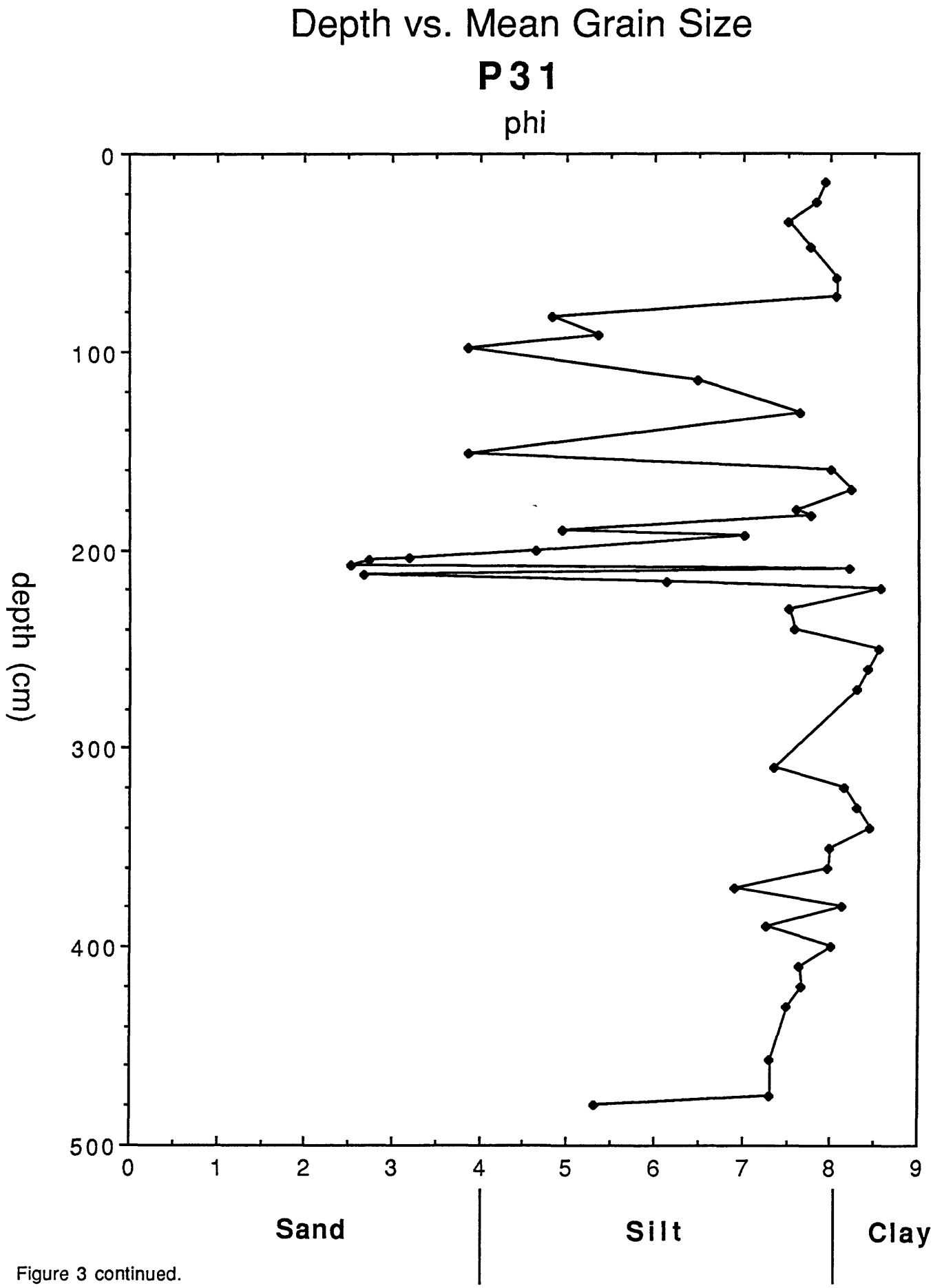

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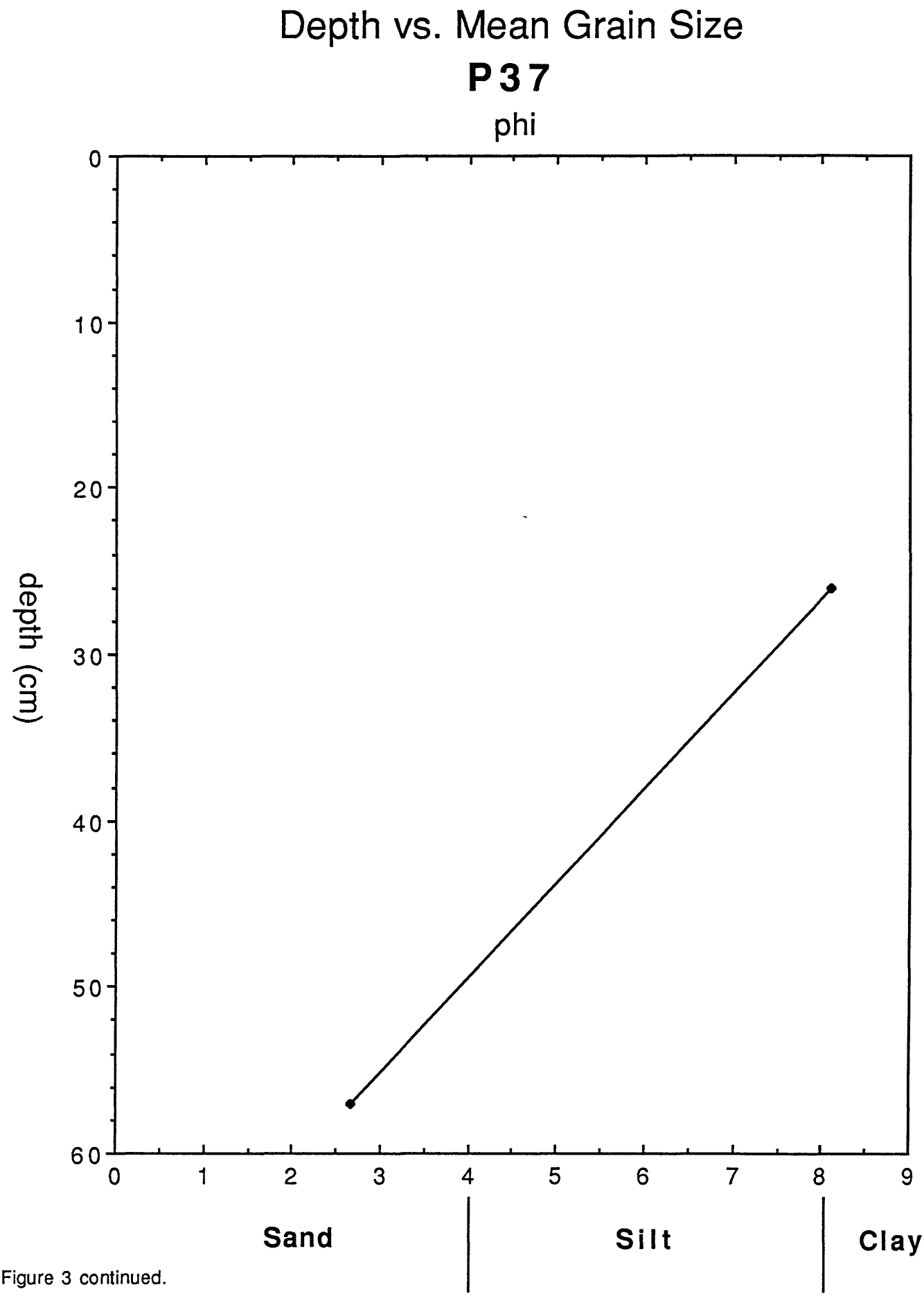

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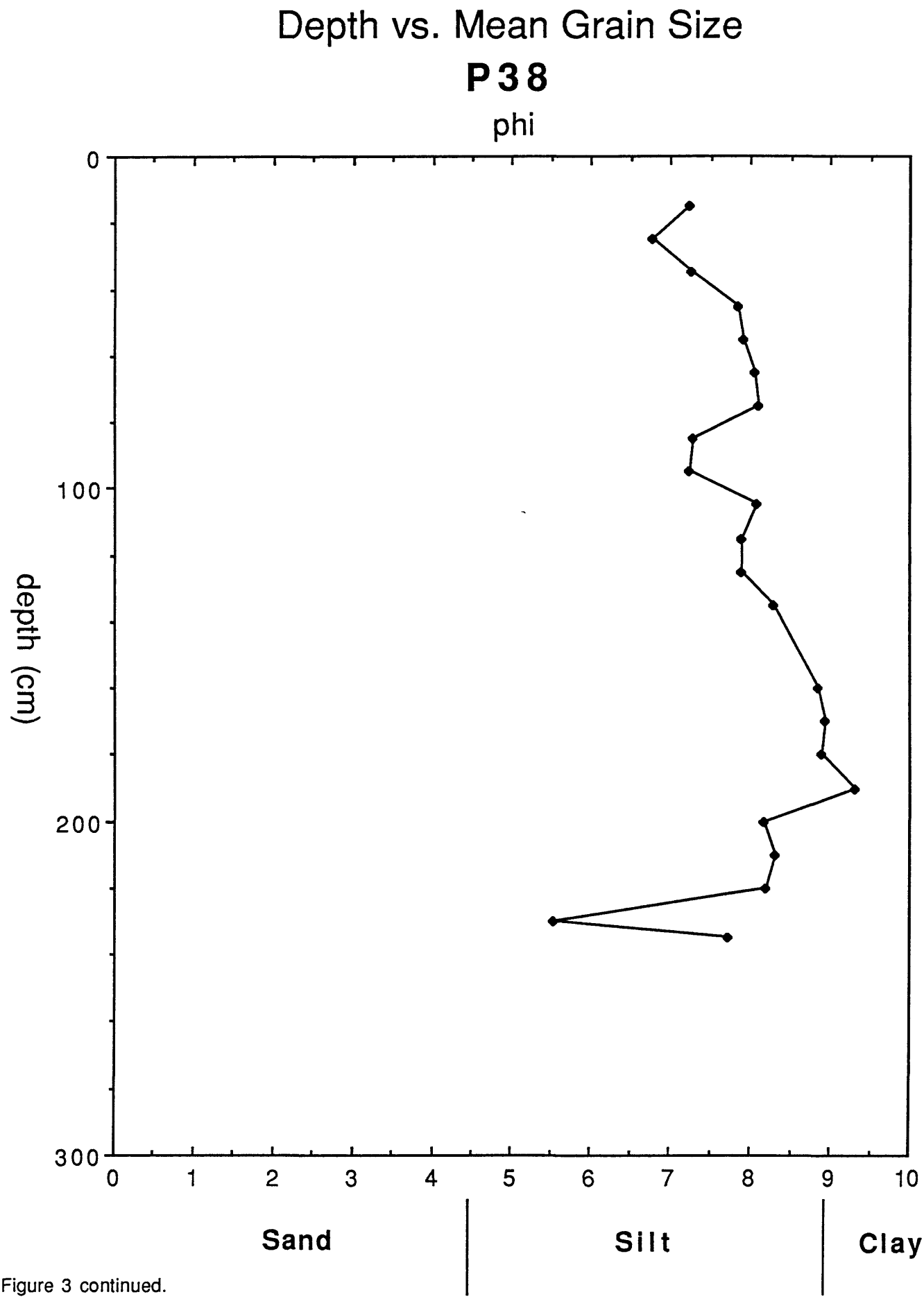

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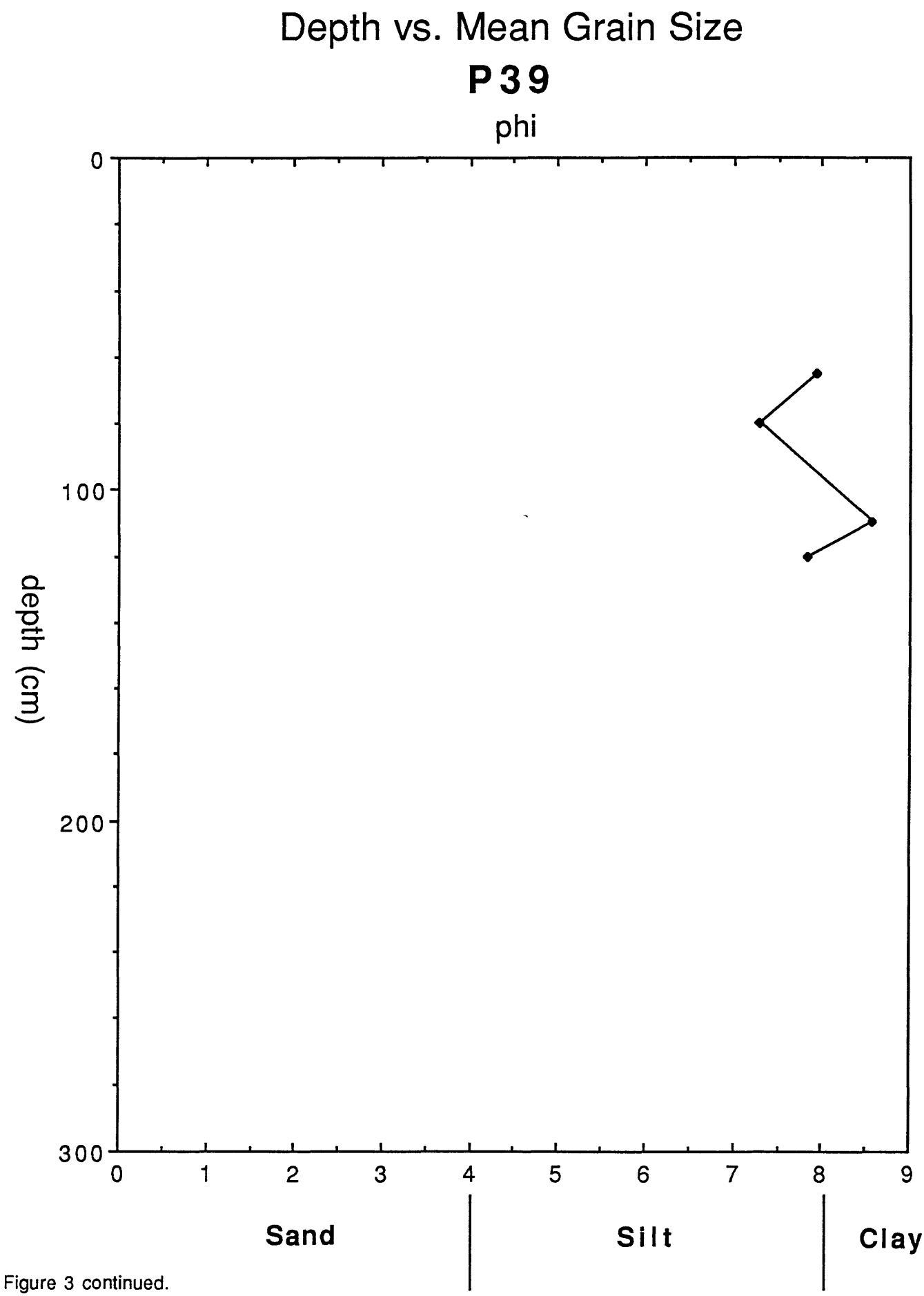

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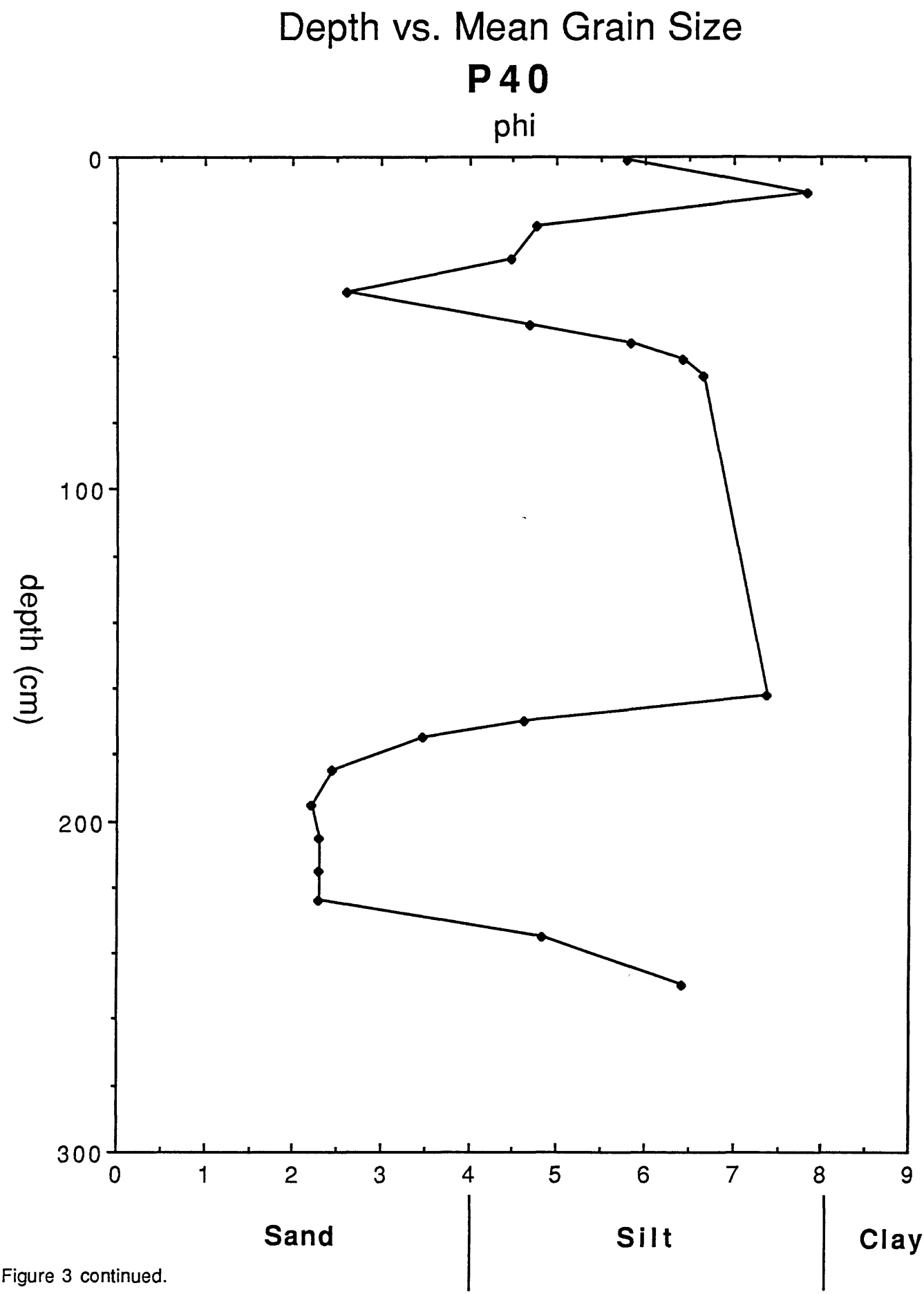

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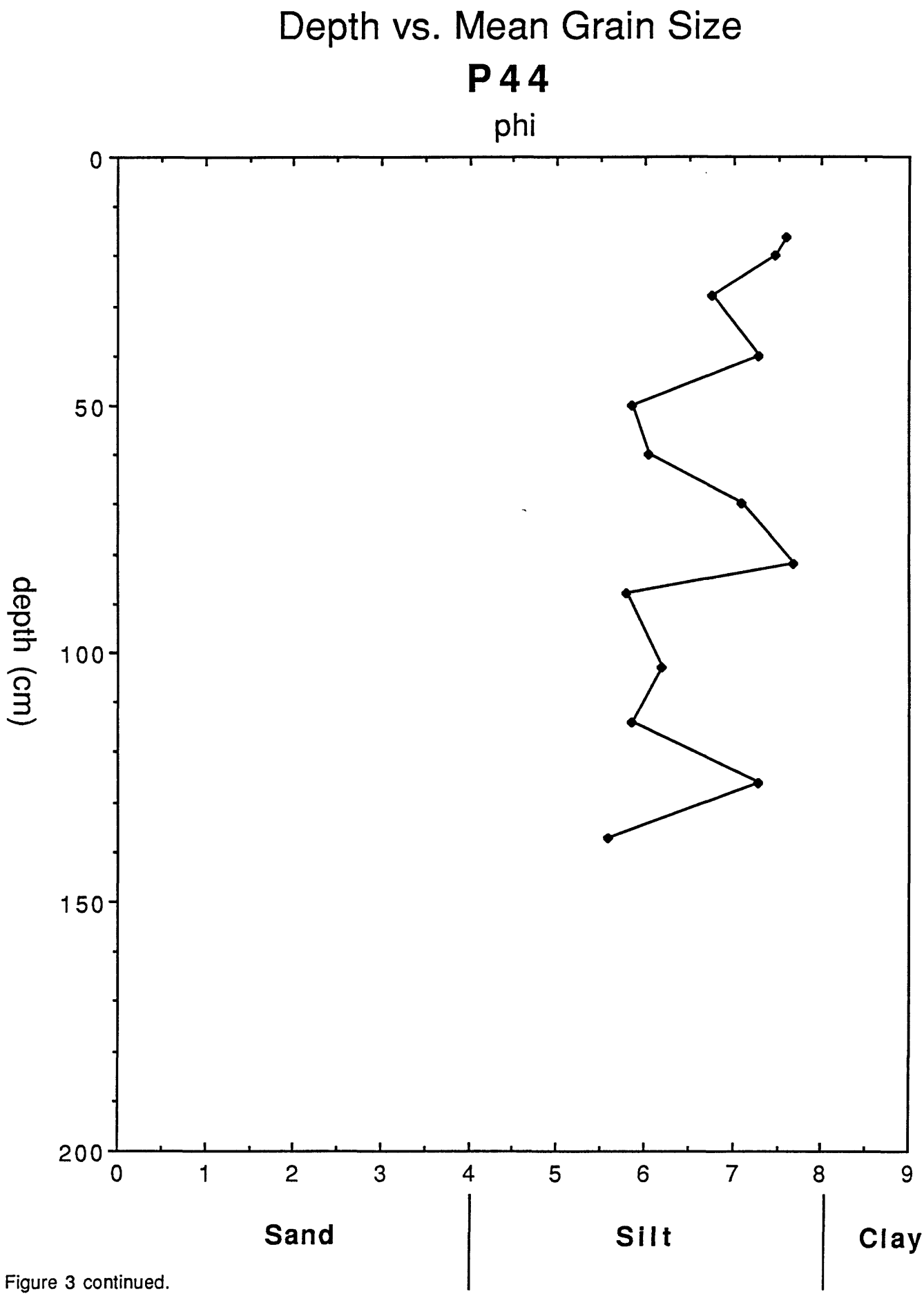

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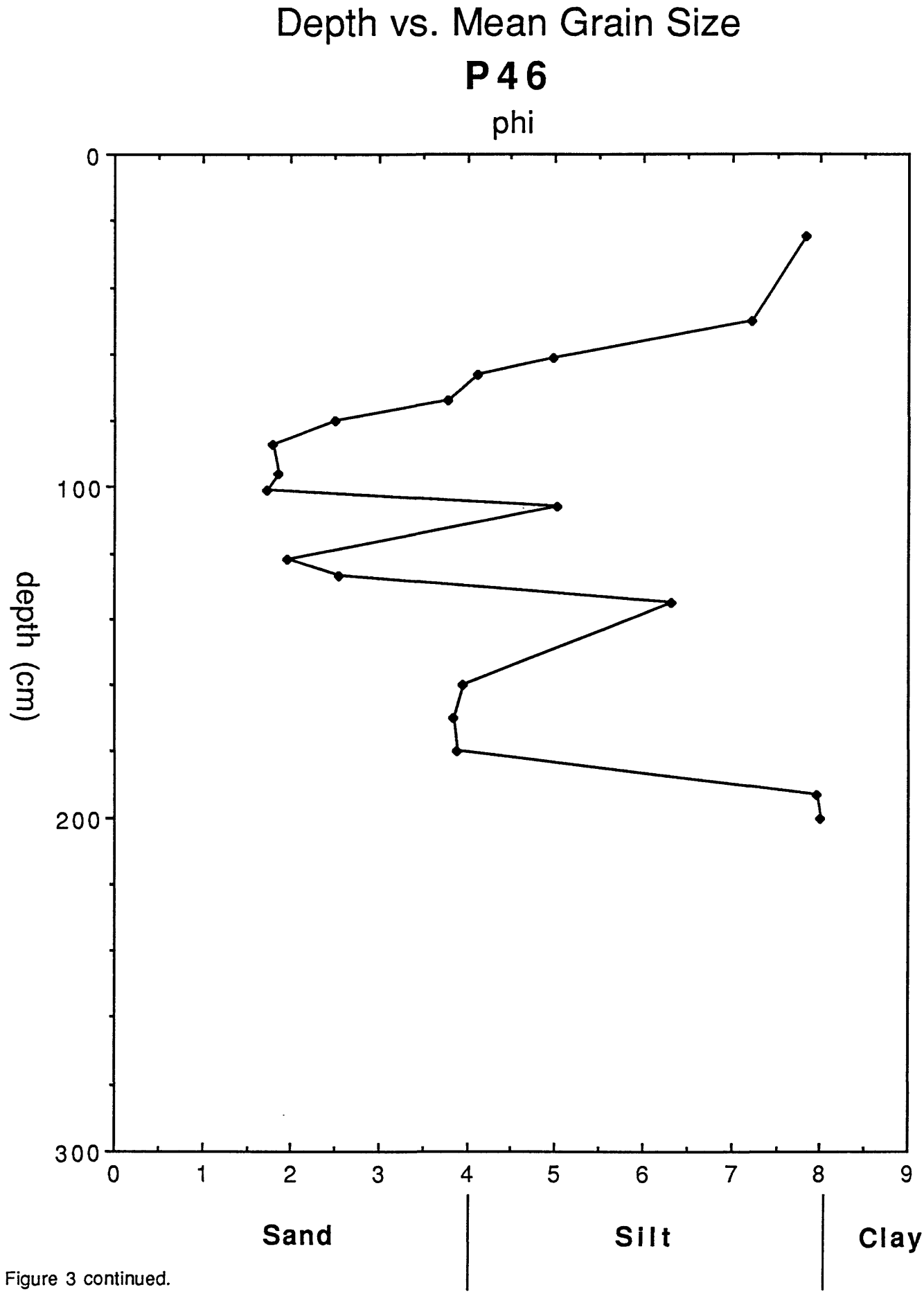

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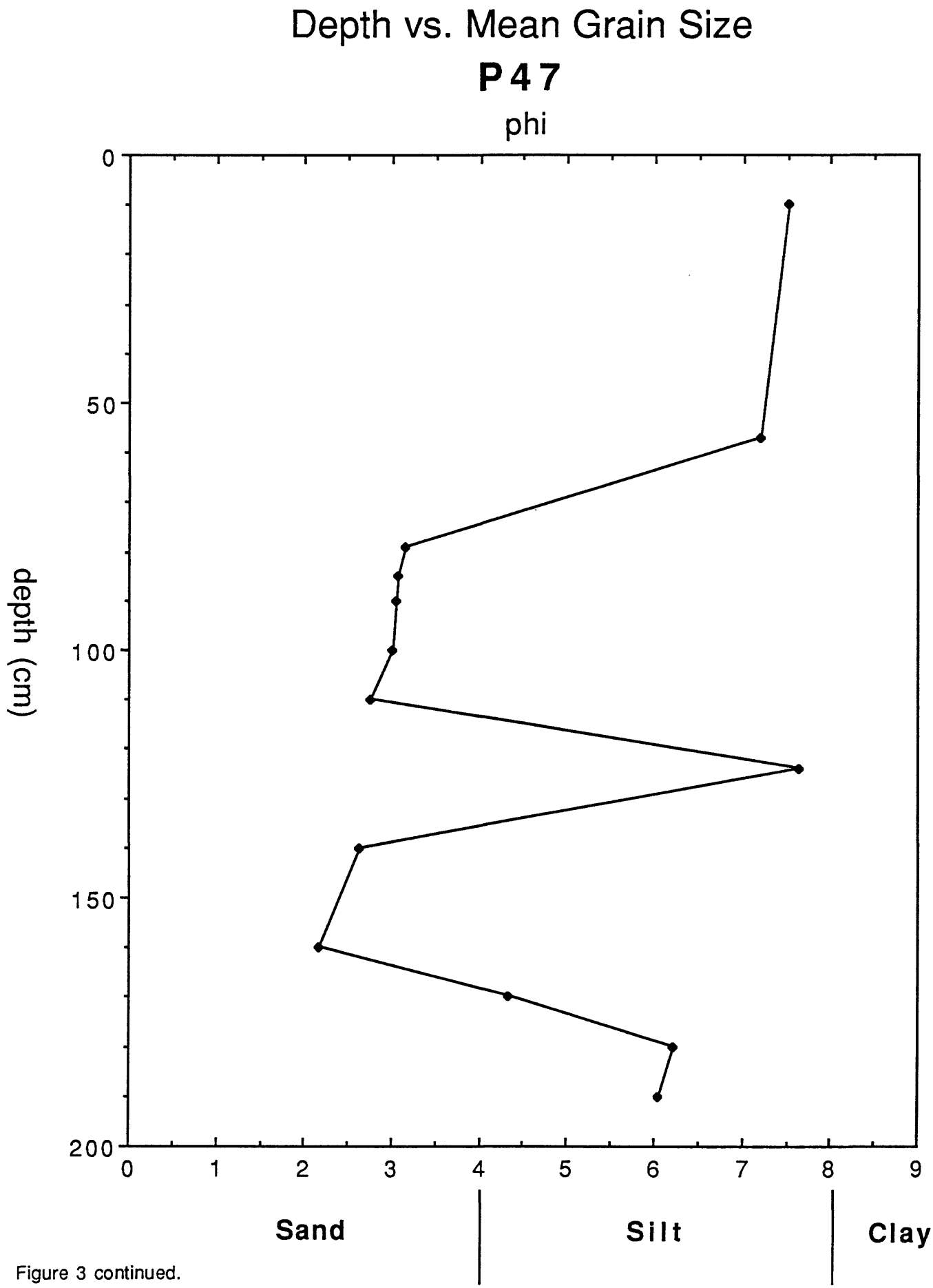

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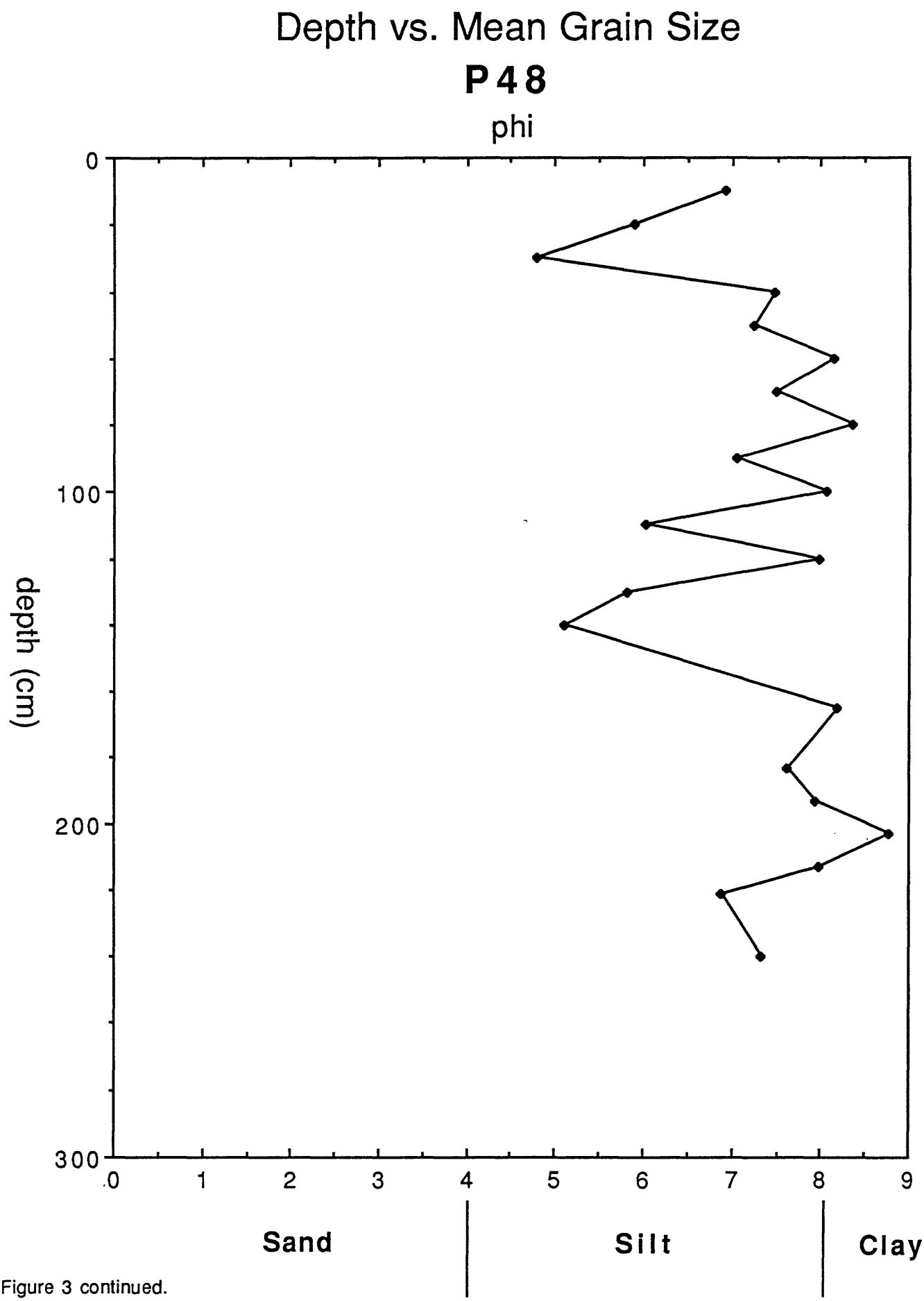

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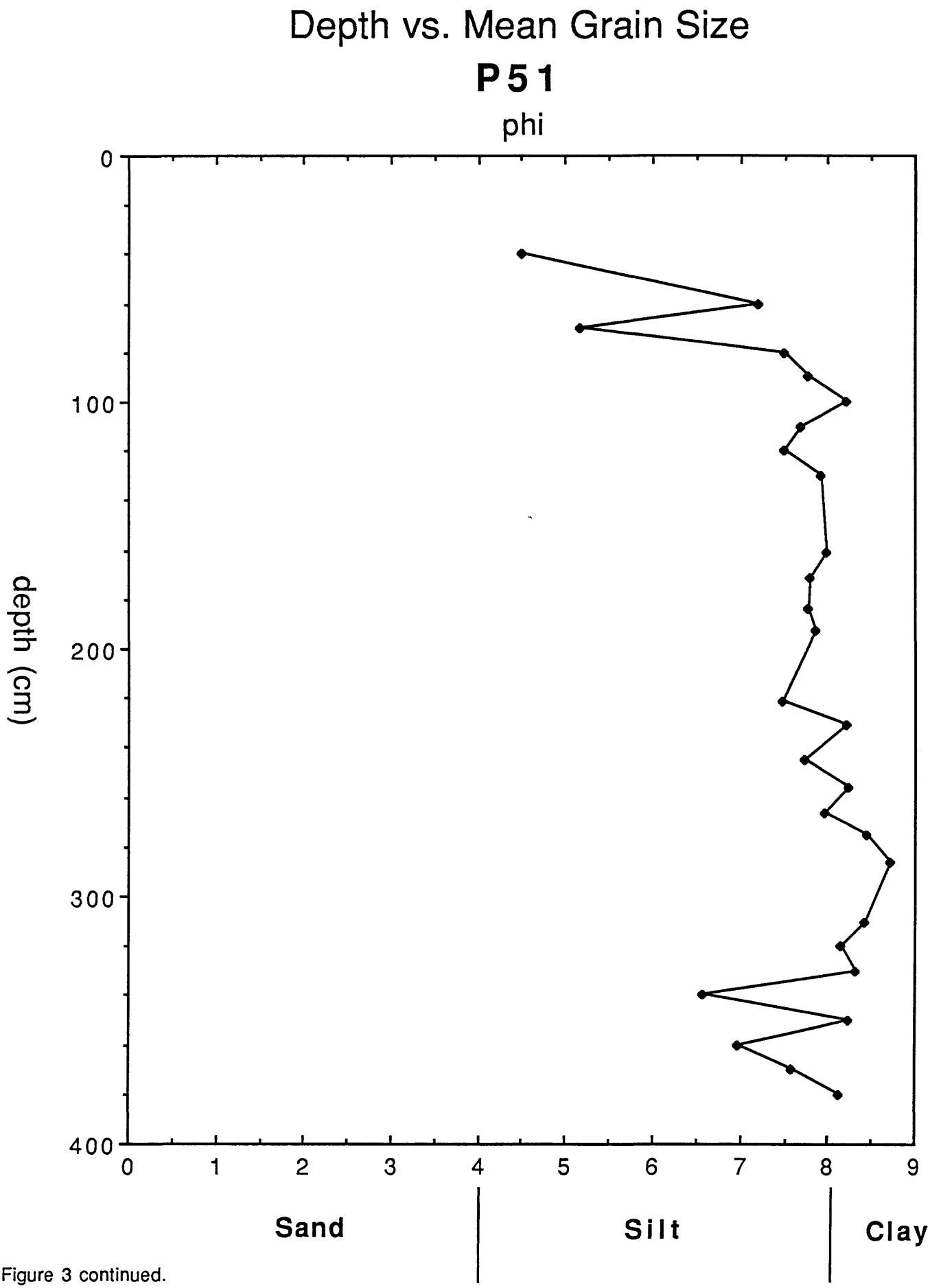

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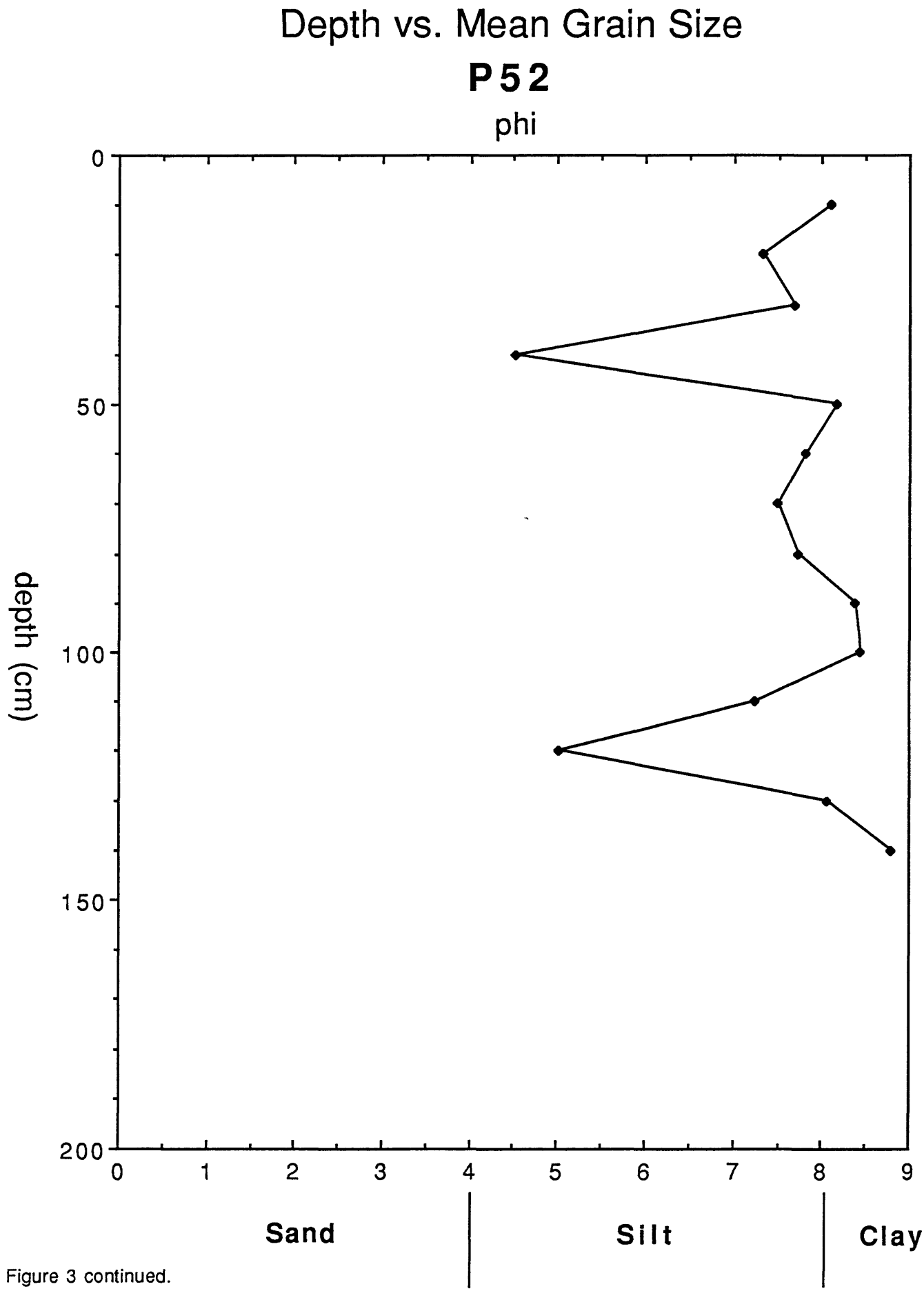

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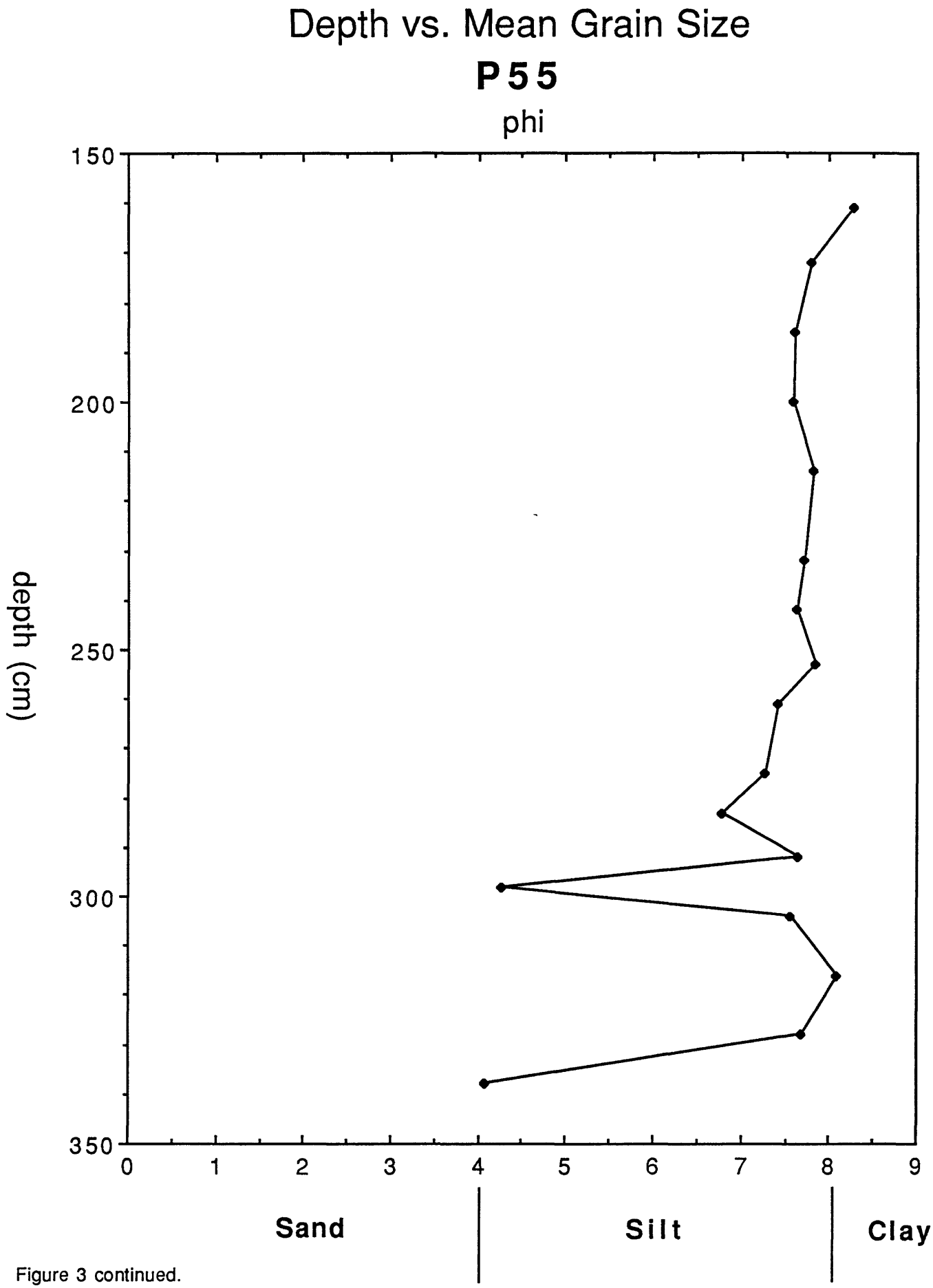

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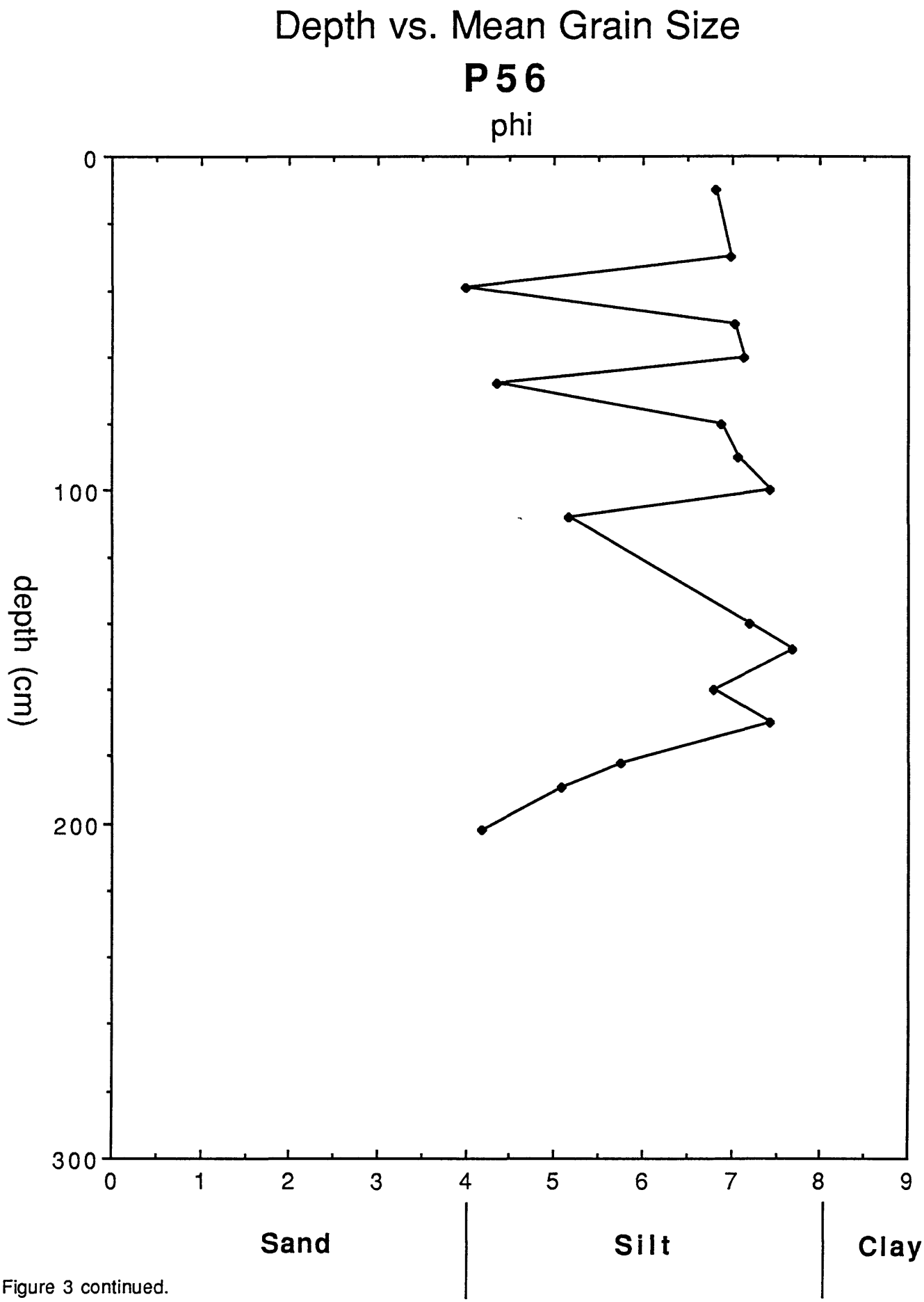

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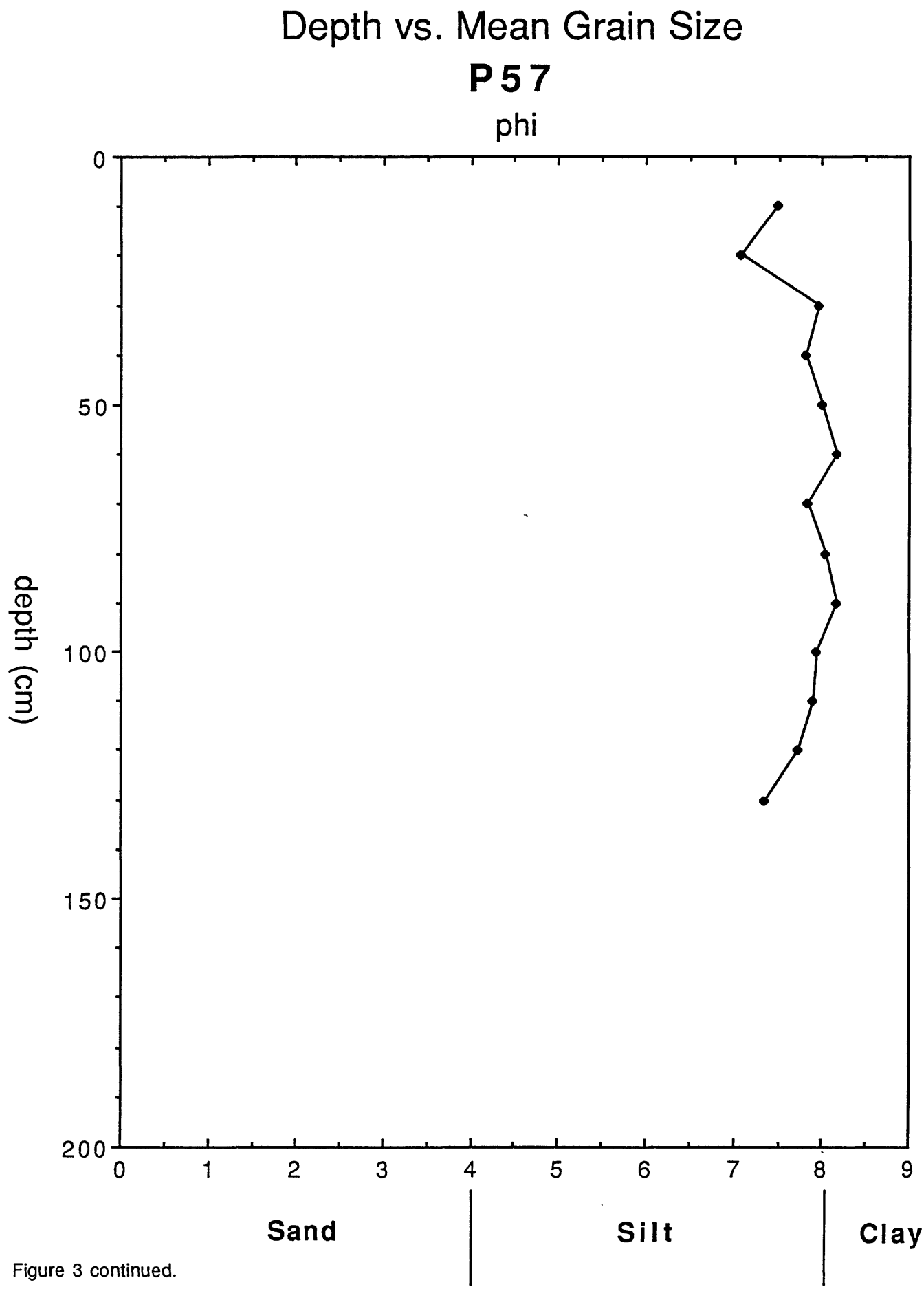

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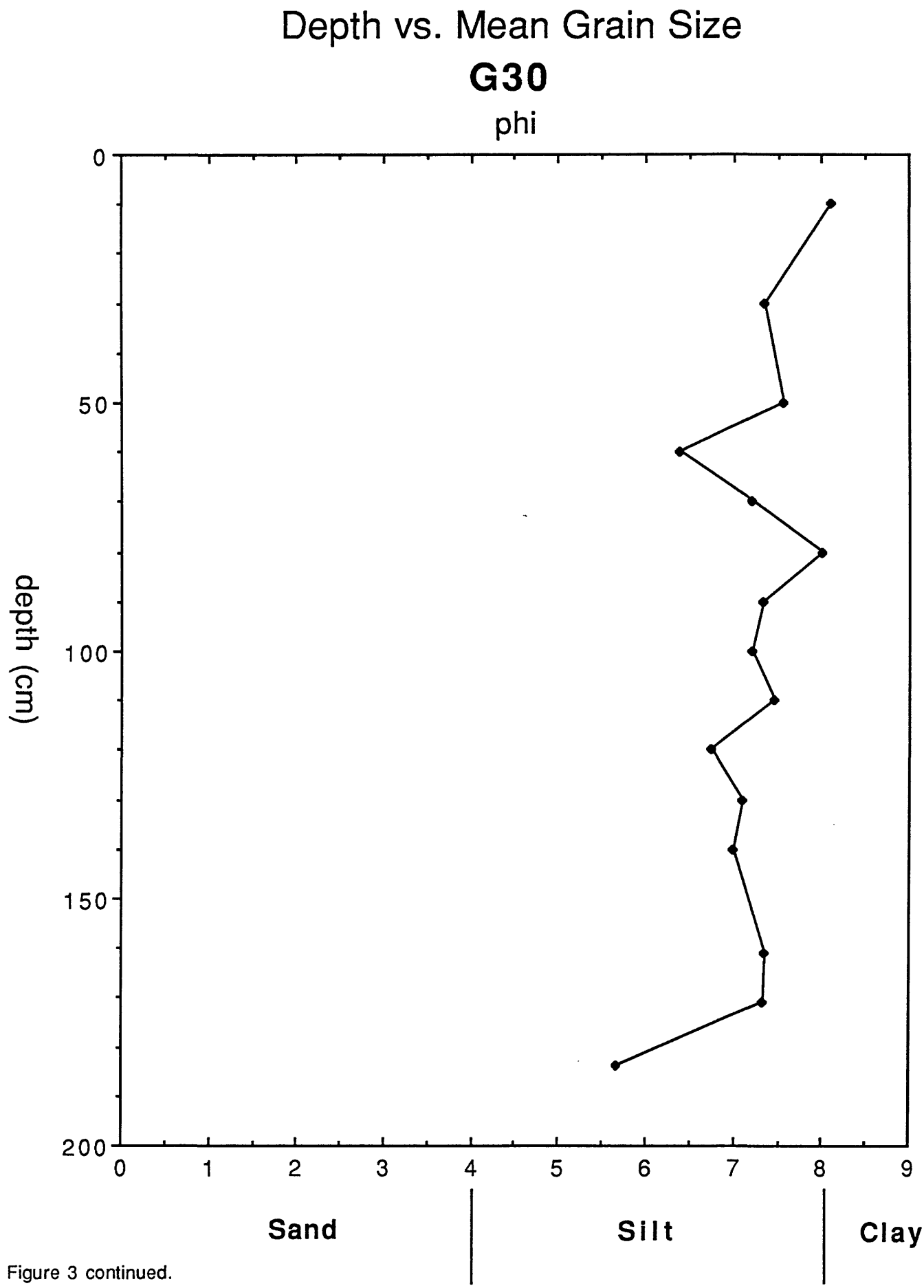
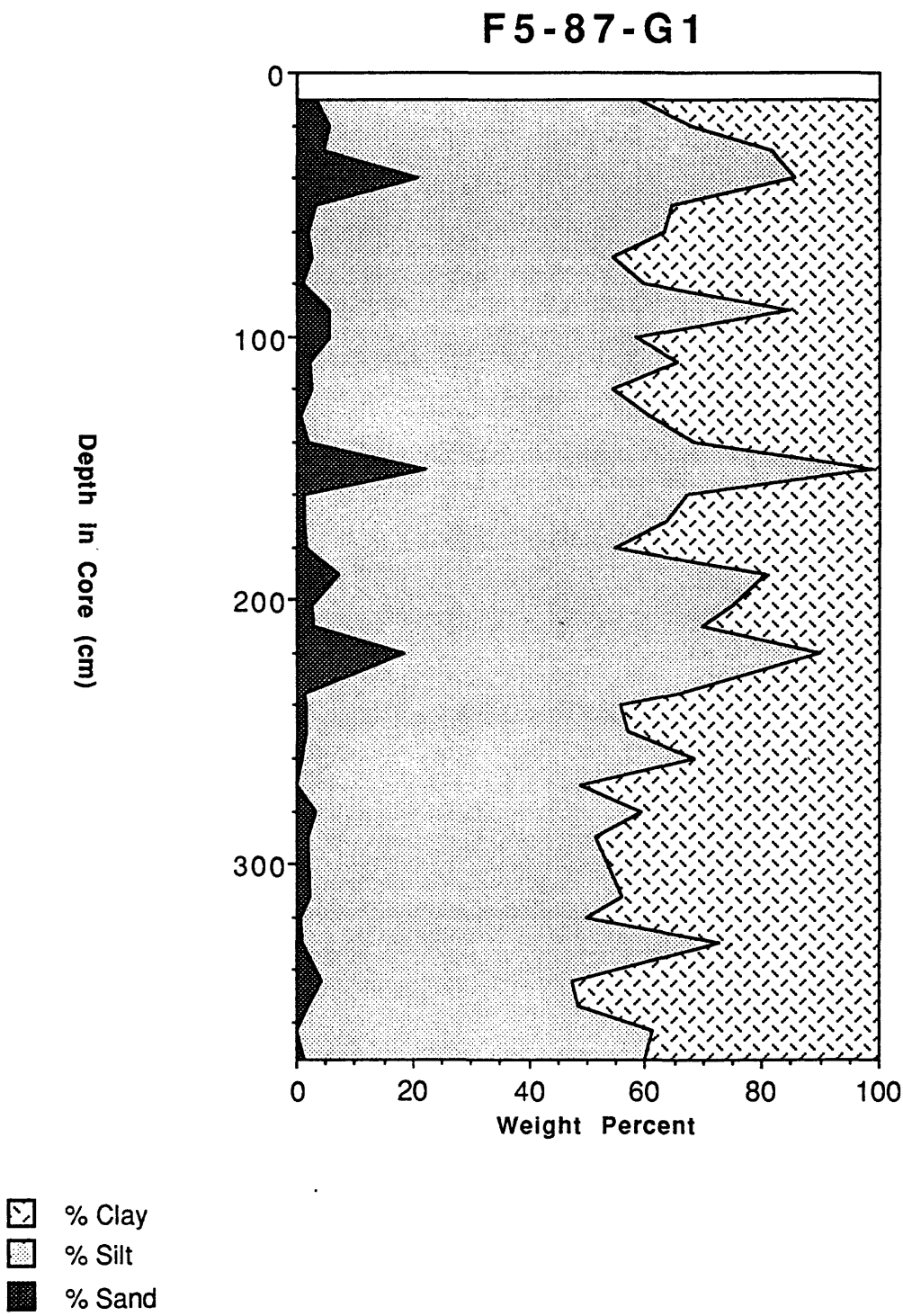
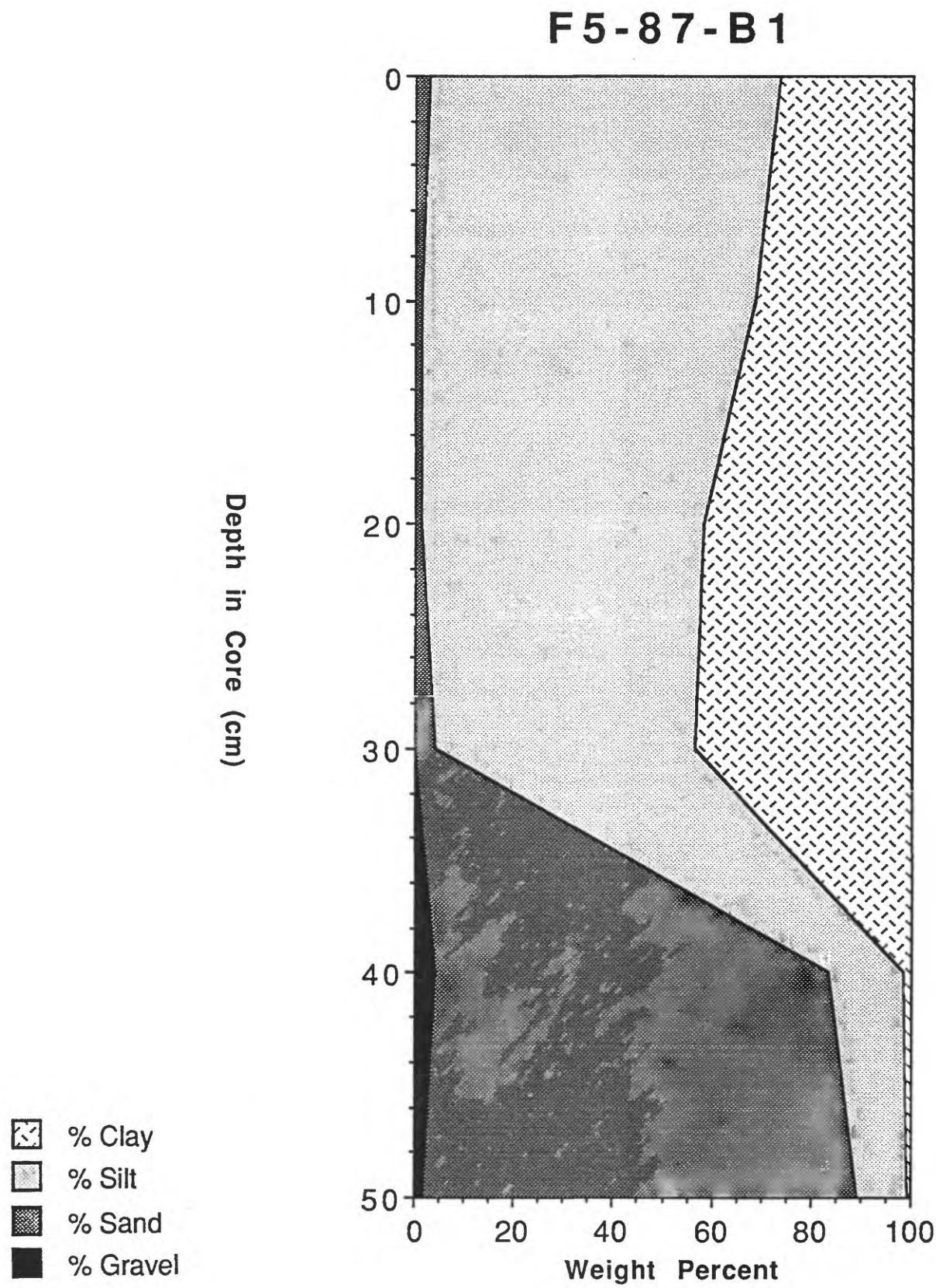


Figure 3 continued.

Figure 4.


F5-87-G1
0
100
200
300
Depth in Core (cm)
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F5-87-B1
0
10
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30
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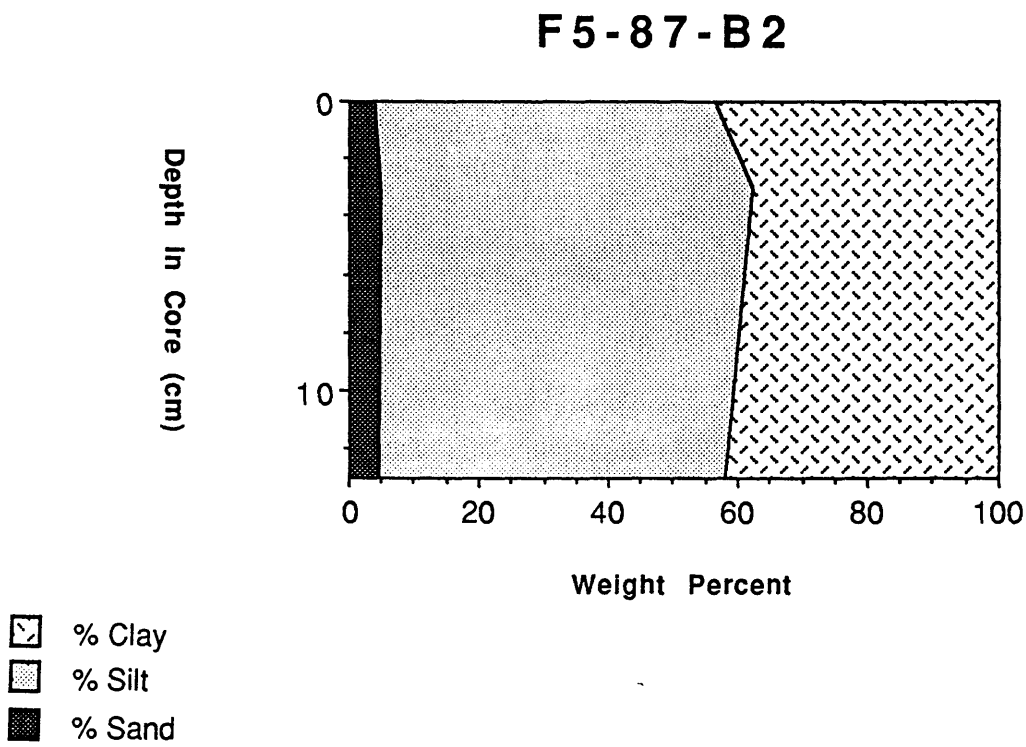
50
Depth in Core (cm)
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand
% Gravel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0
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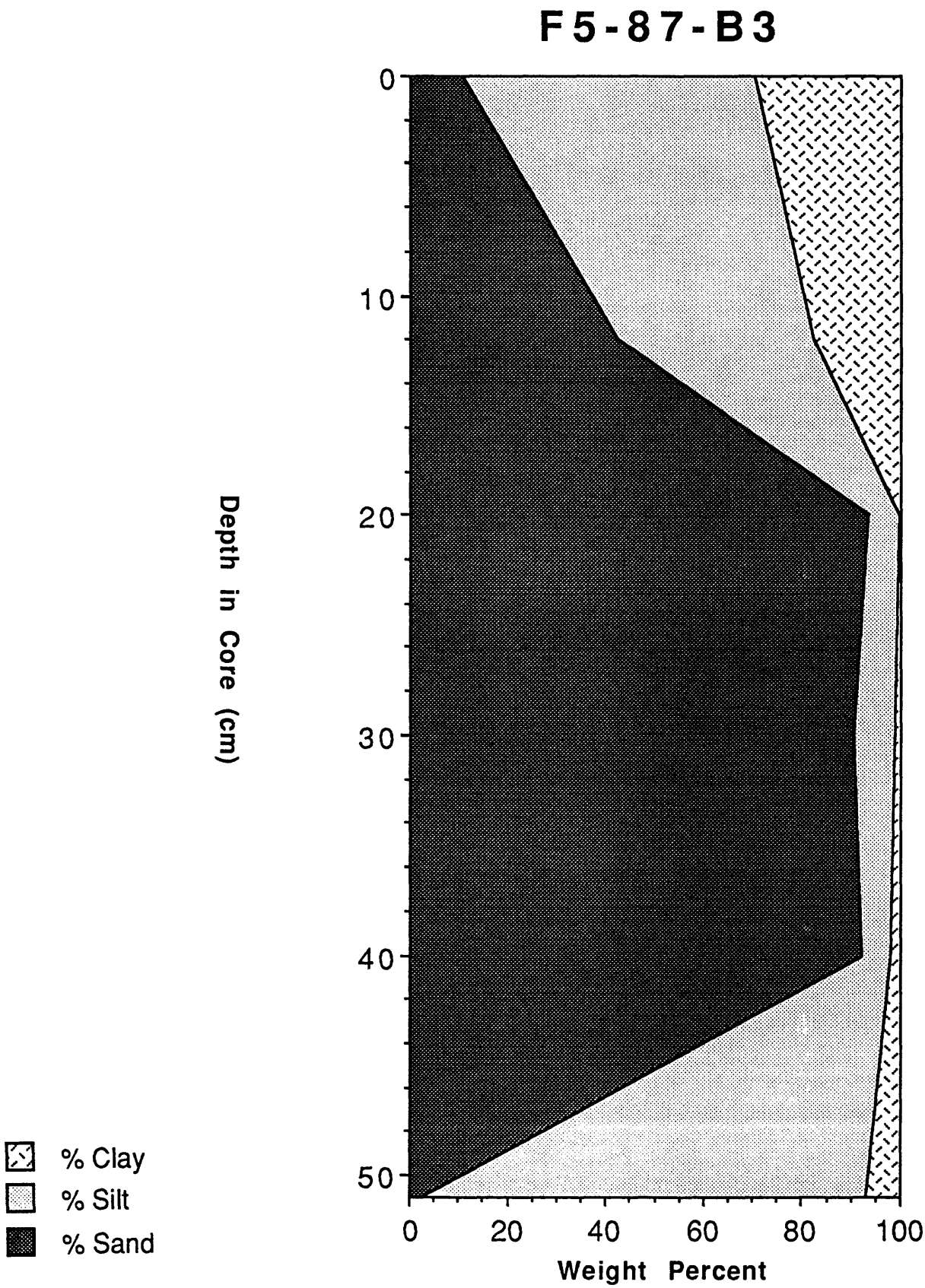
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand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Depth in Core (cm)
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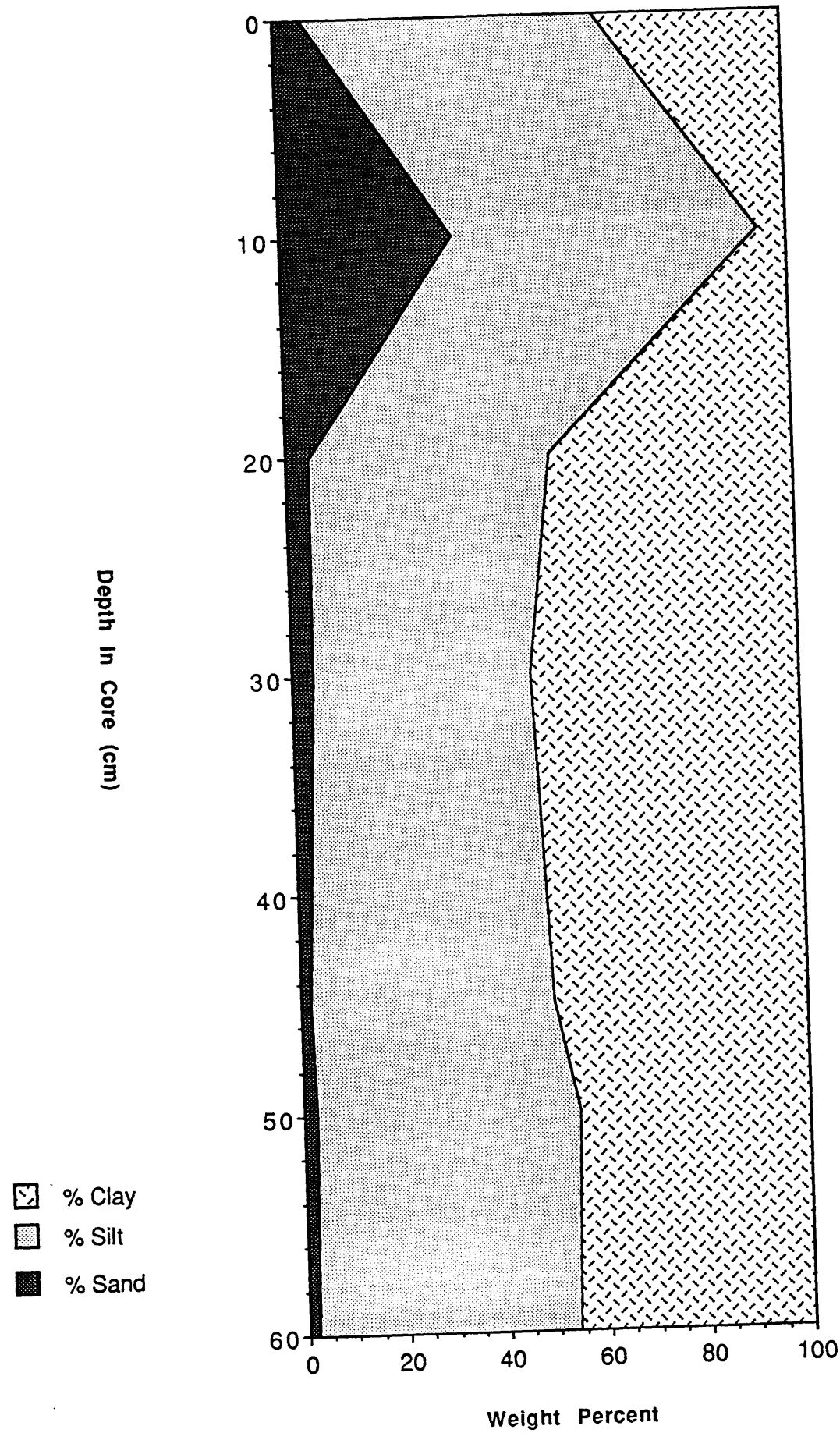
Weight Percent
% Clay
% Silt
% Sand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60
Depth In Core (cm)
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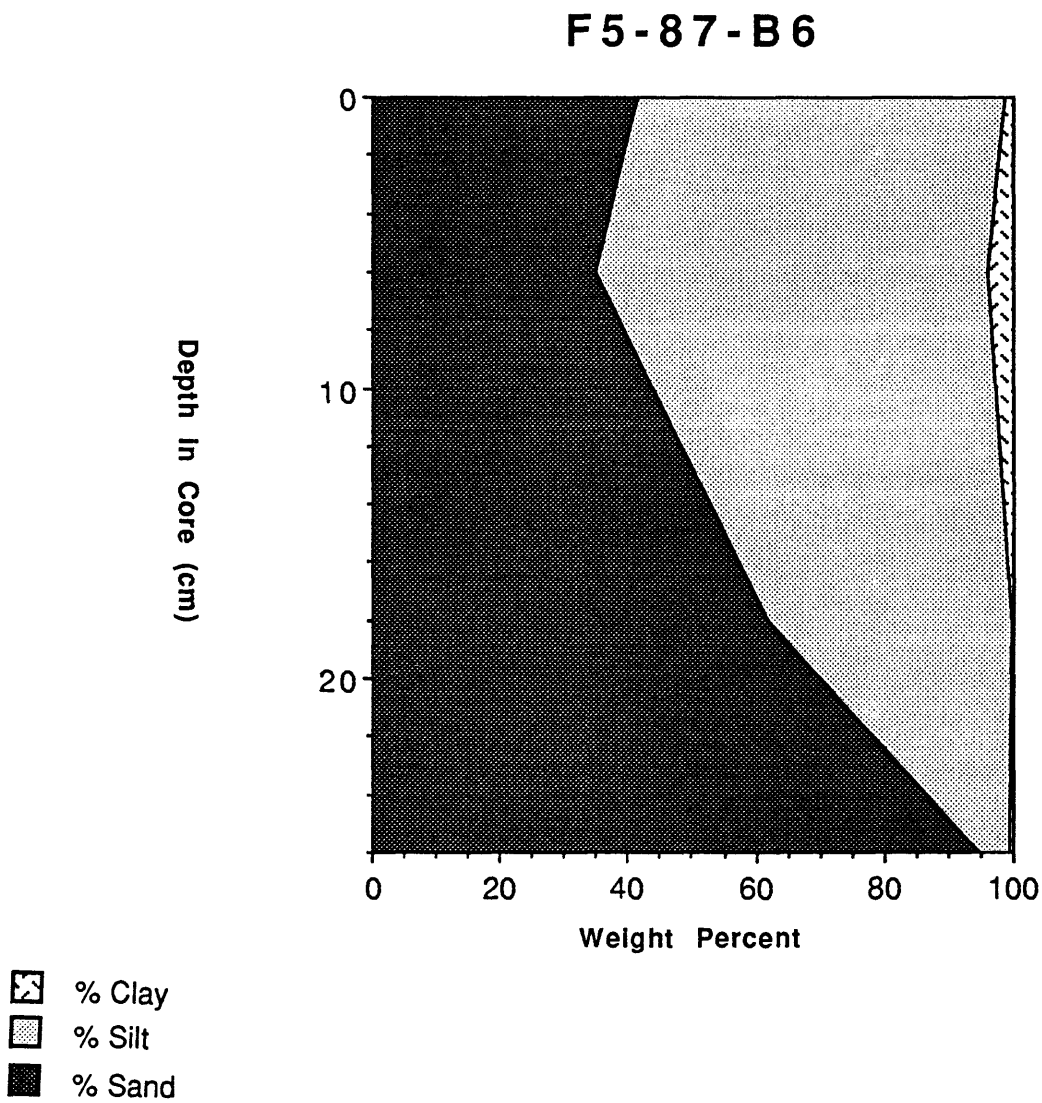
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F5-87-B6
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Depth In Core (cm)
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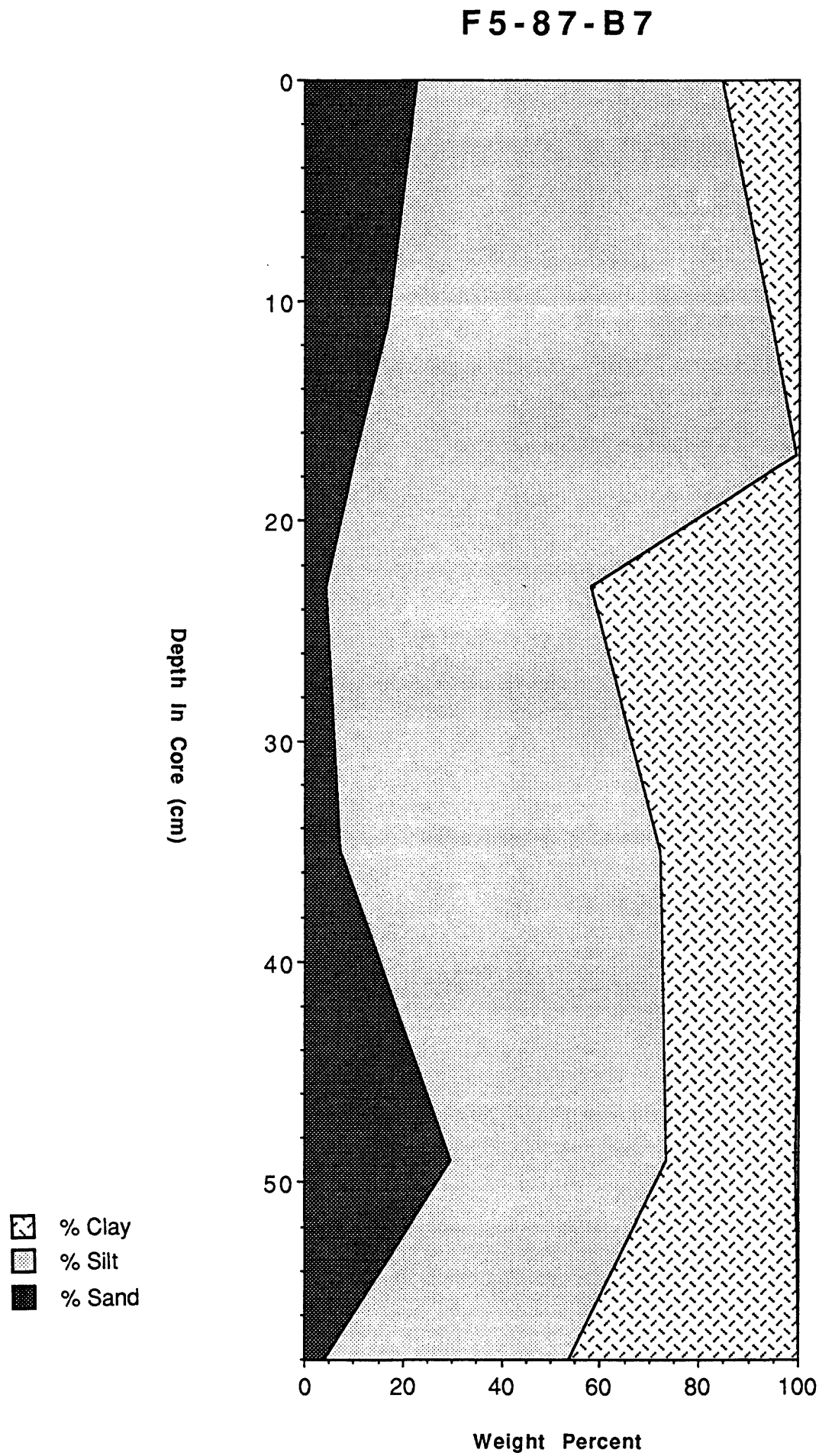
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F5-87-B7
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50
Depth In Core (cm)
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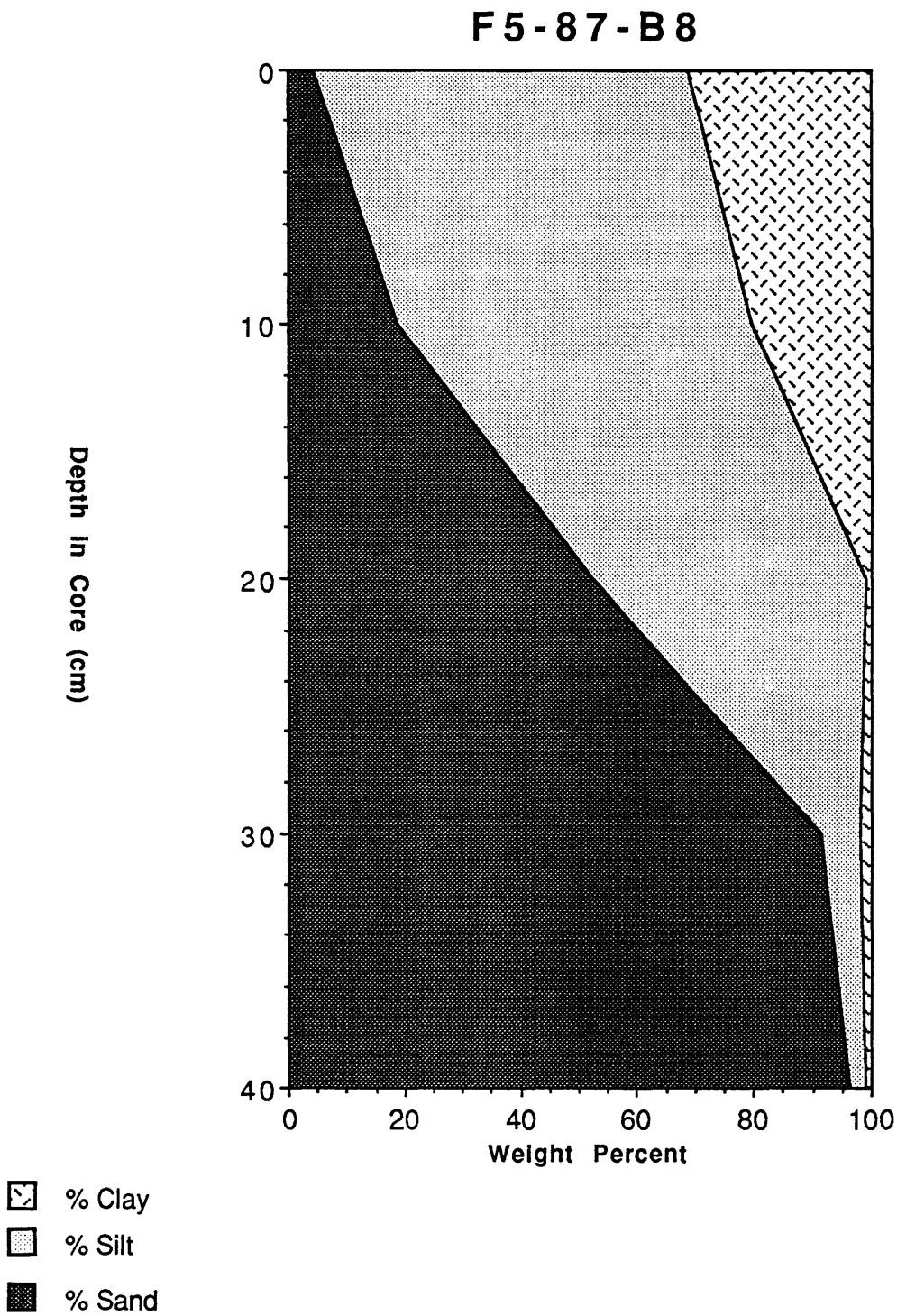
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand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Depth In Core (cm)
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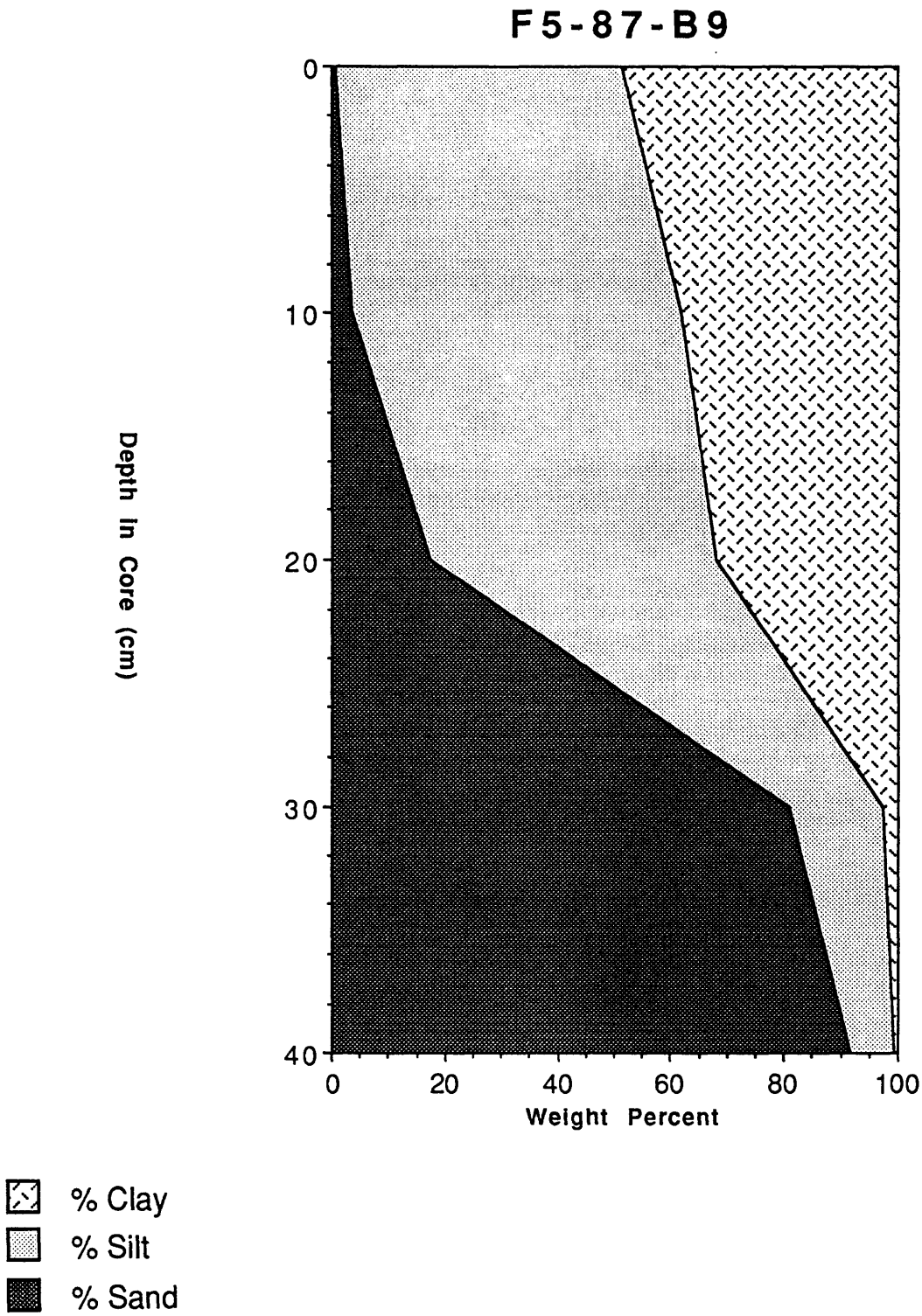
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F5-87-B9
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20
30
40
Depth In Core (cm)
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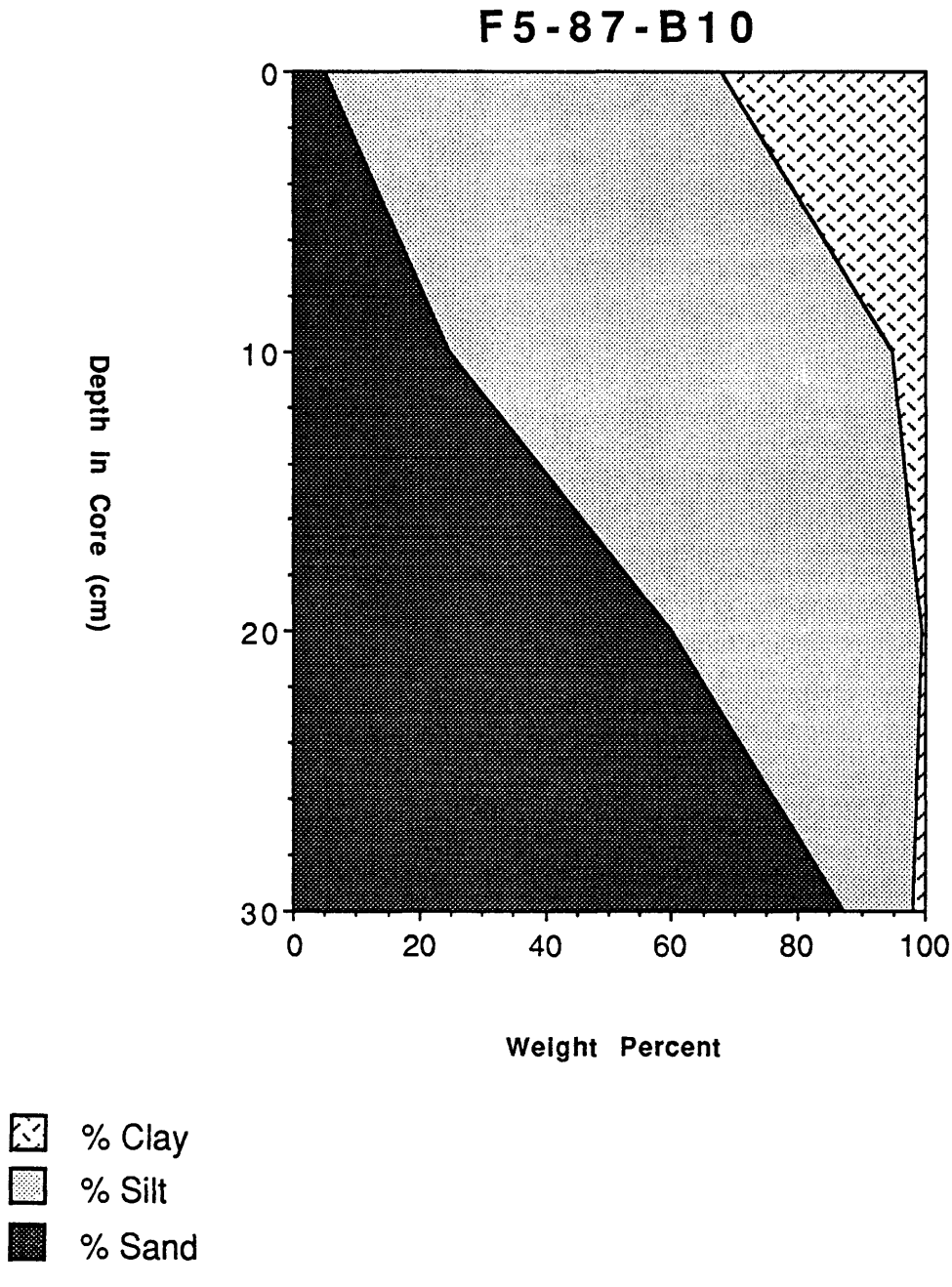
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F5-87-B10
Depth In Core (cm)
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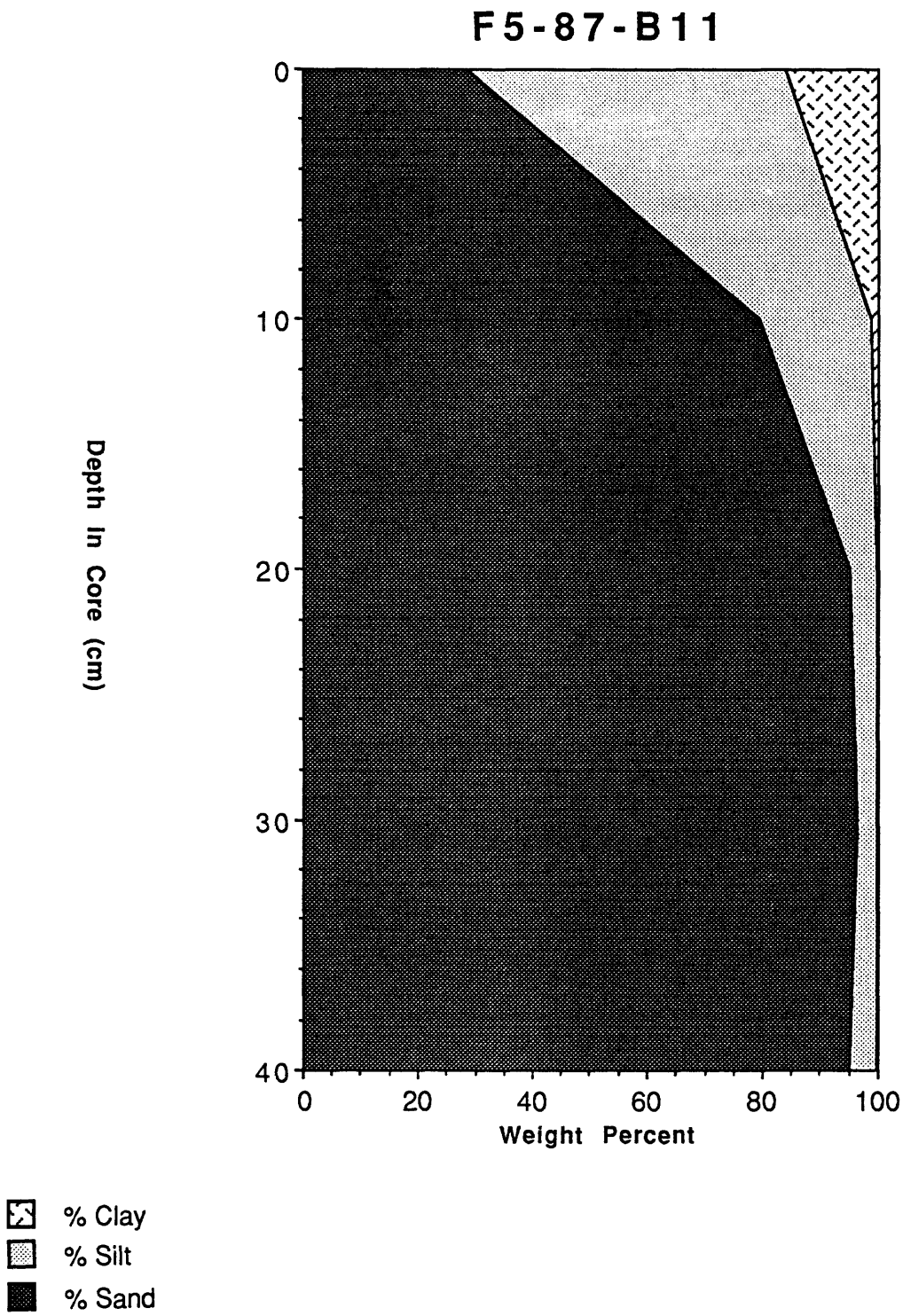
10
20
30
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F5-87-B11
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20
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40
Depth In Core (cm)
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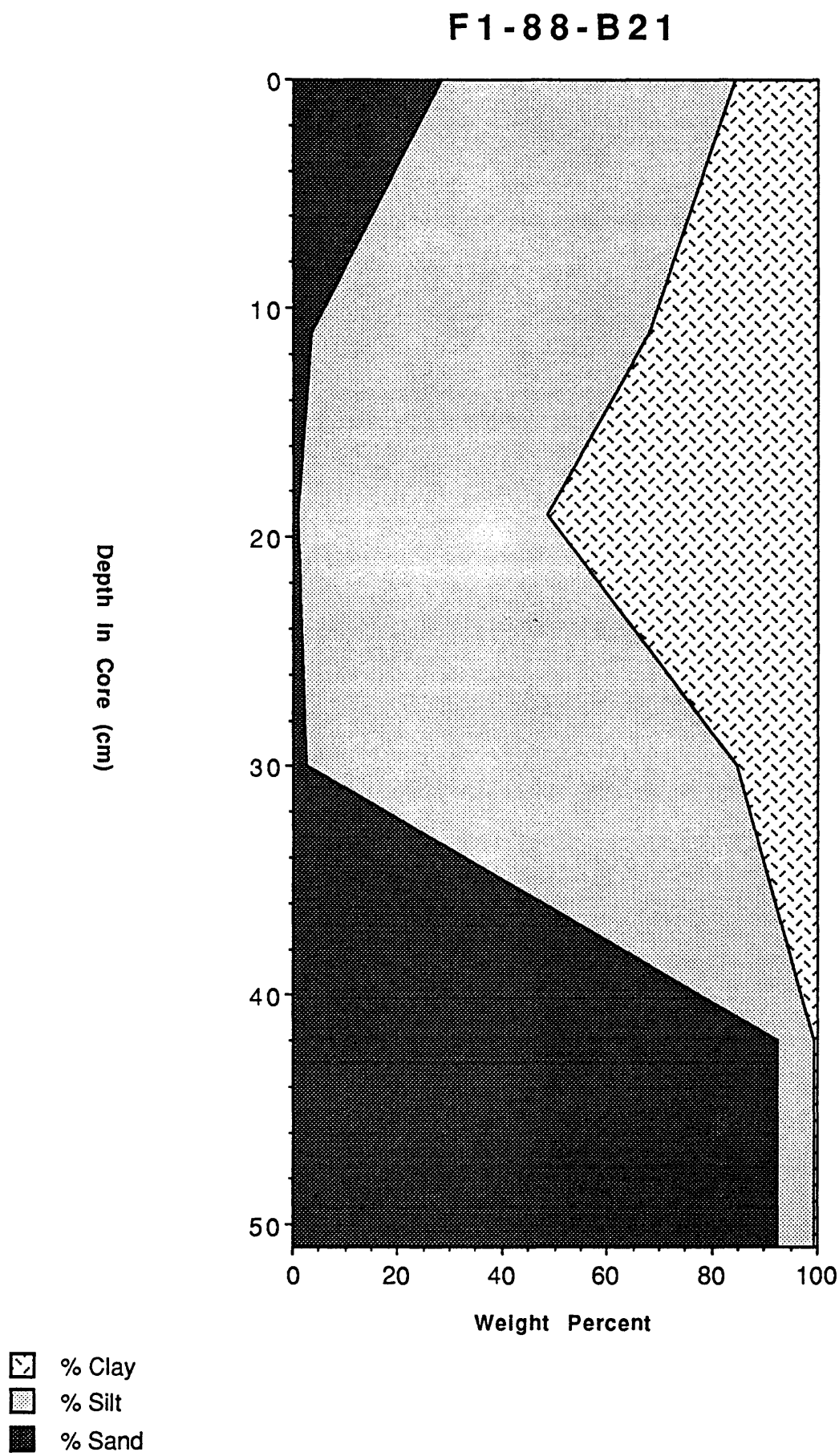
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand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50
0
20
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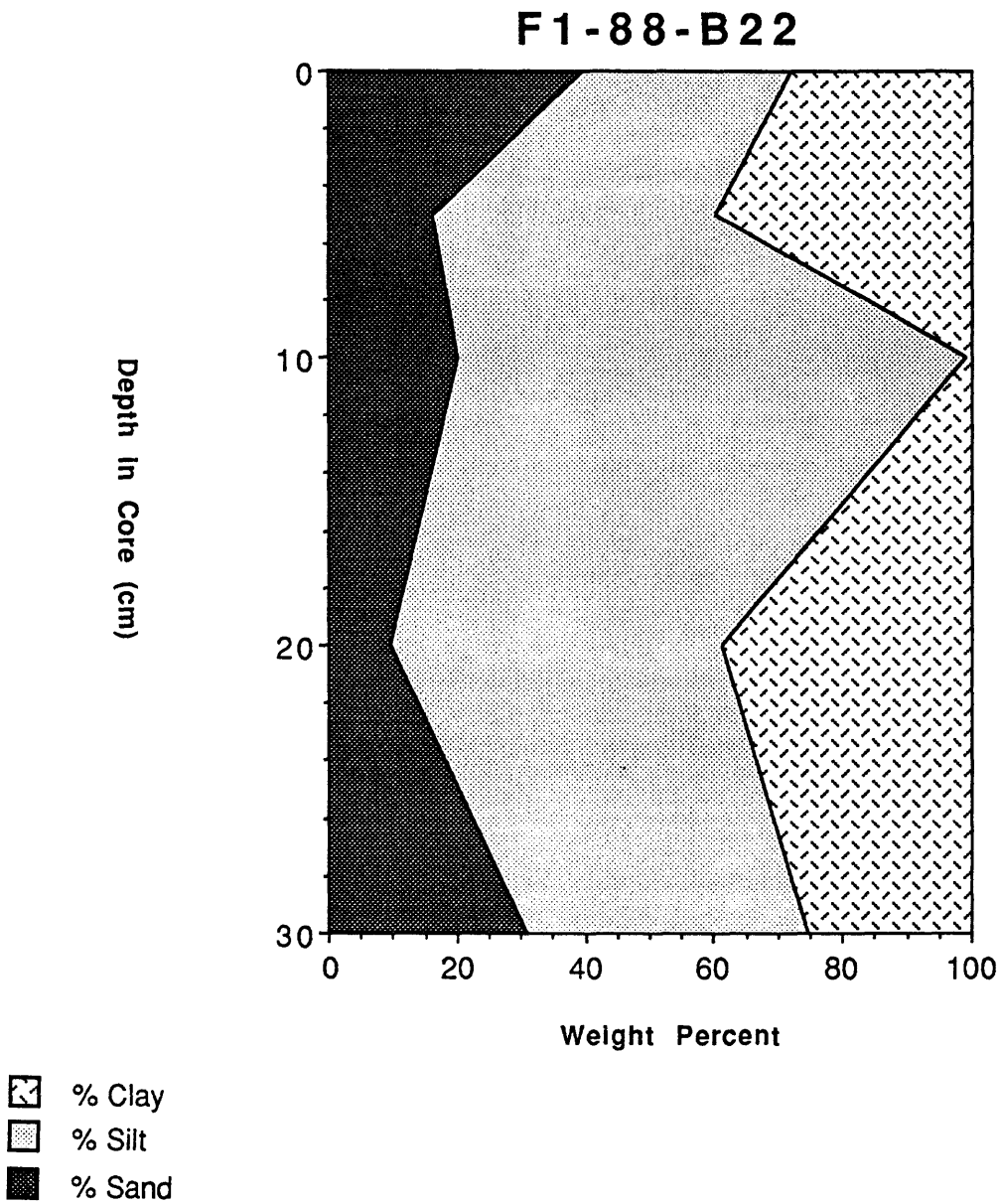
60
80
100
Depth In Core (cm)
Weight Percent
% Clay
% Silt
% Sand


F1-88-B22
Depth In Core (cm)
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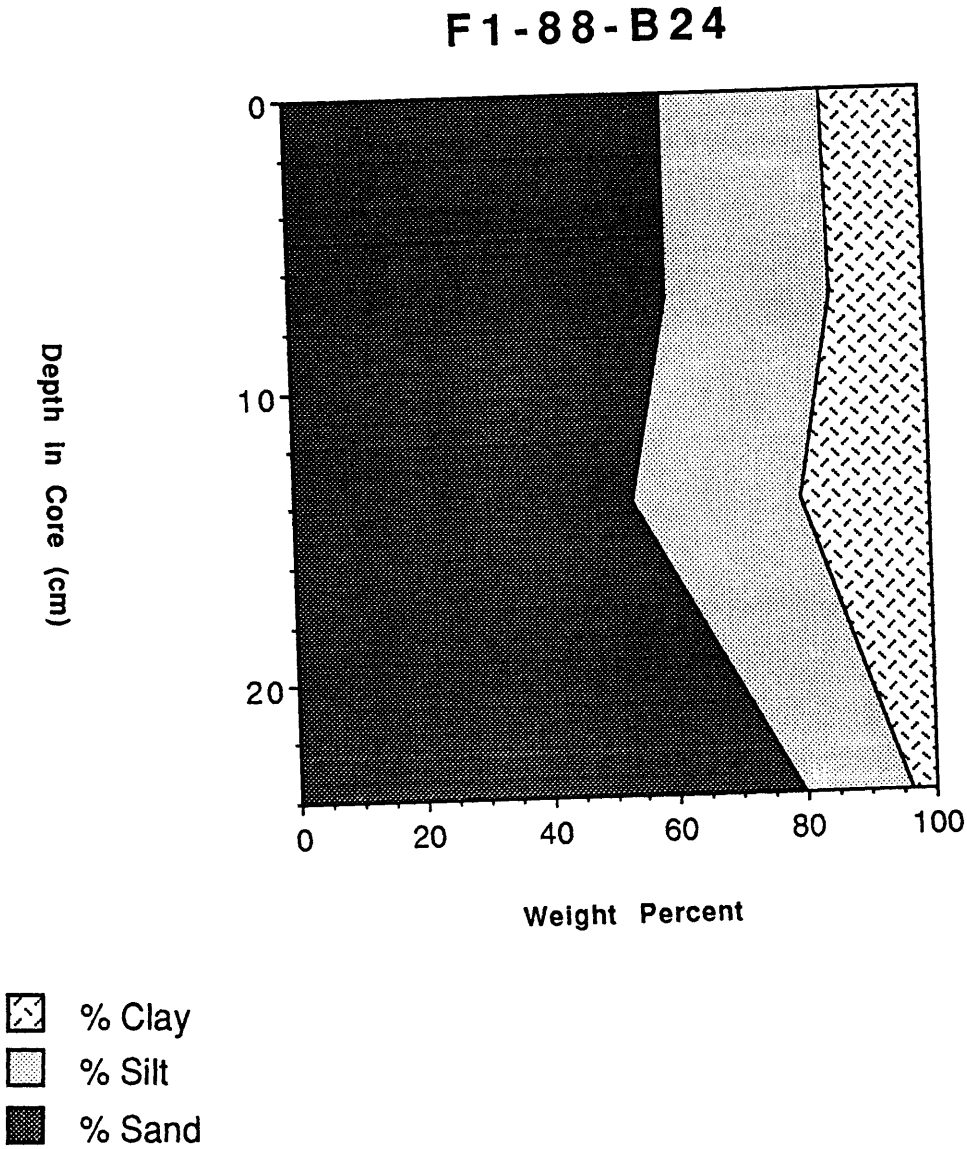
10
20
30
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F1-88-B24
Depth In Core (cm)
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20
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20
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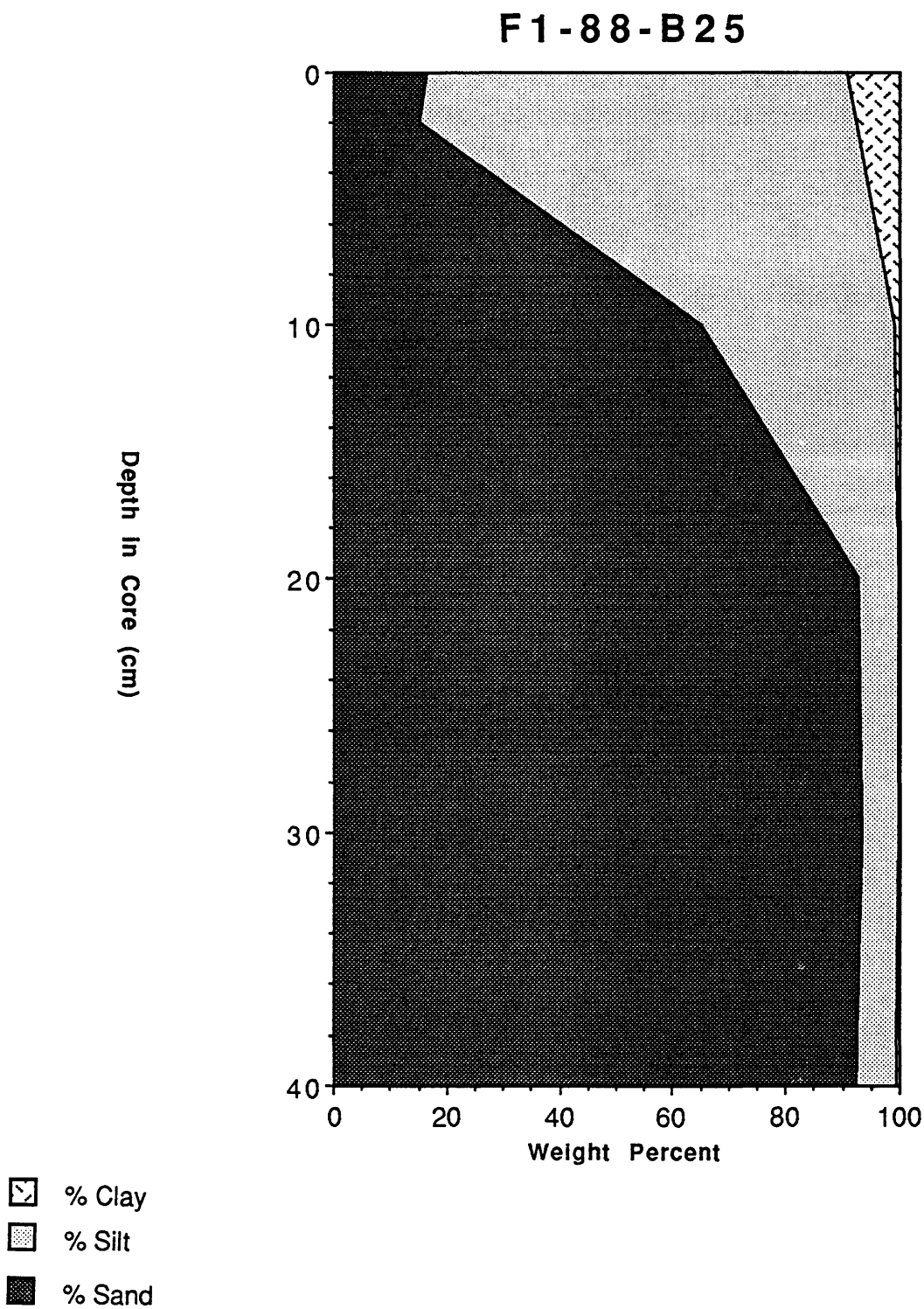
60
80
100
Weight Percent
% Clay
% Silt
% Sand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Depth in Core (cm)
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60
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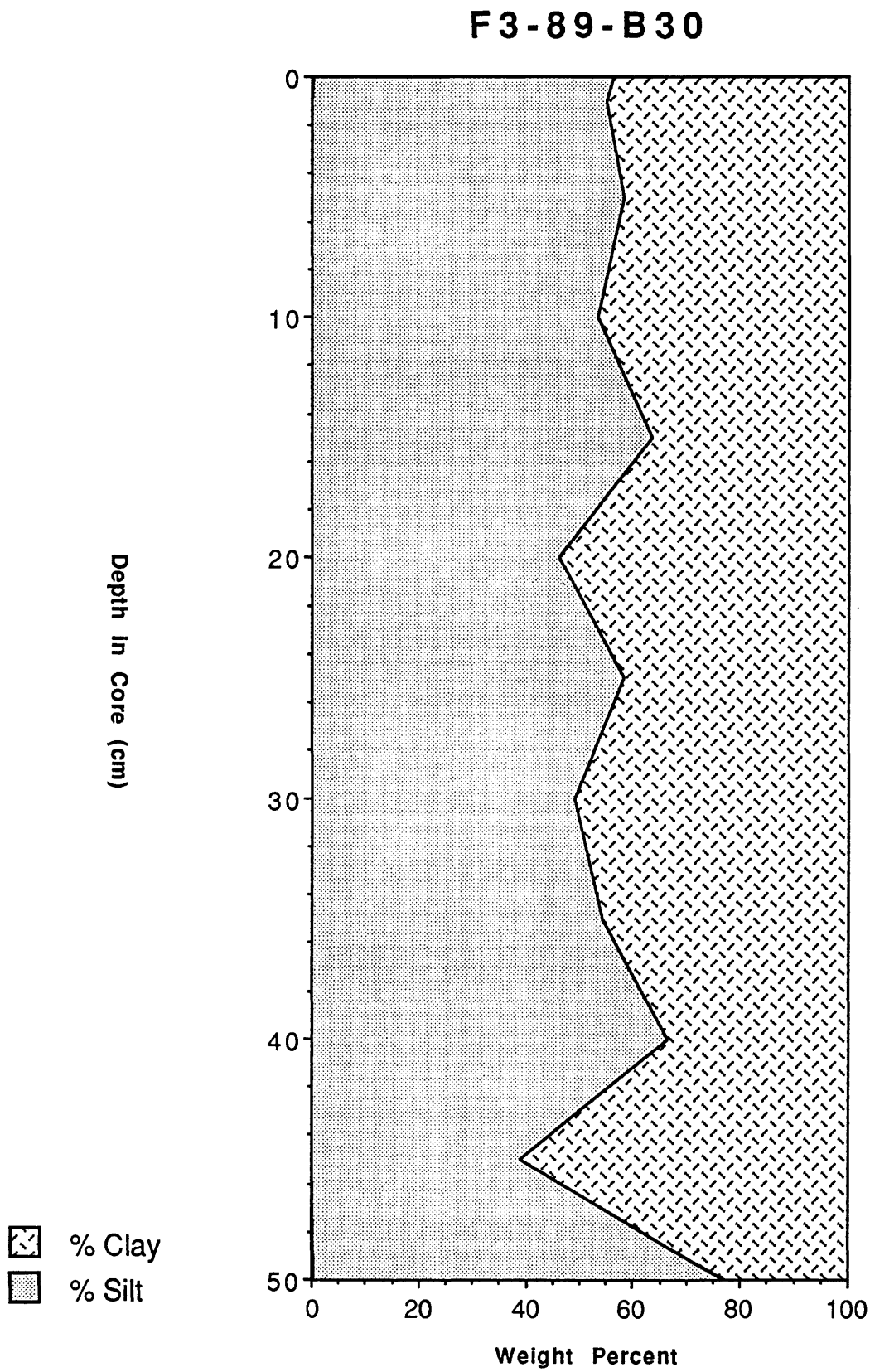
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-B30
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30
40
50
Depth In Core (cm)
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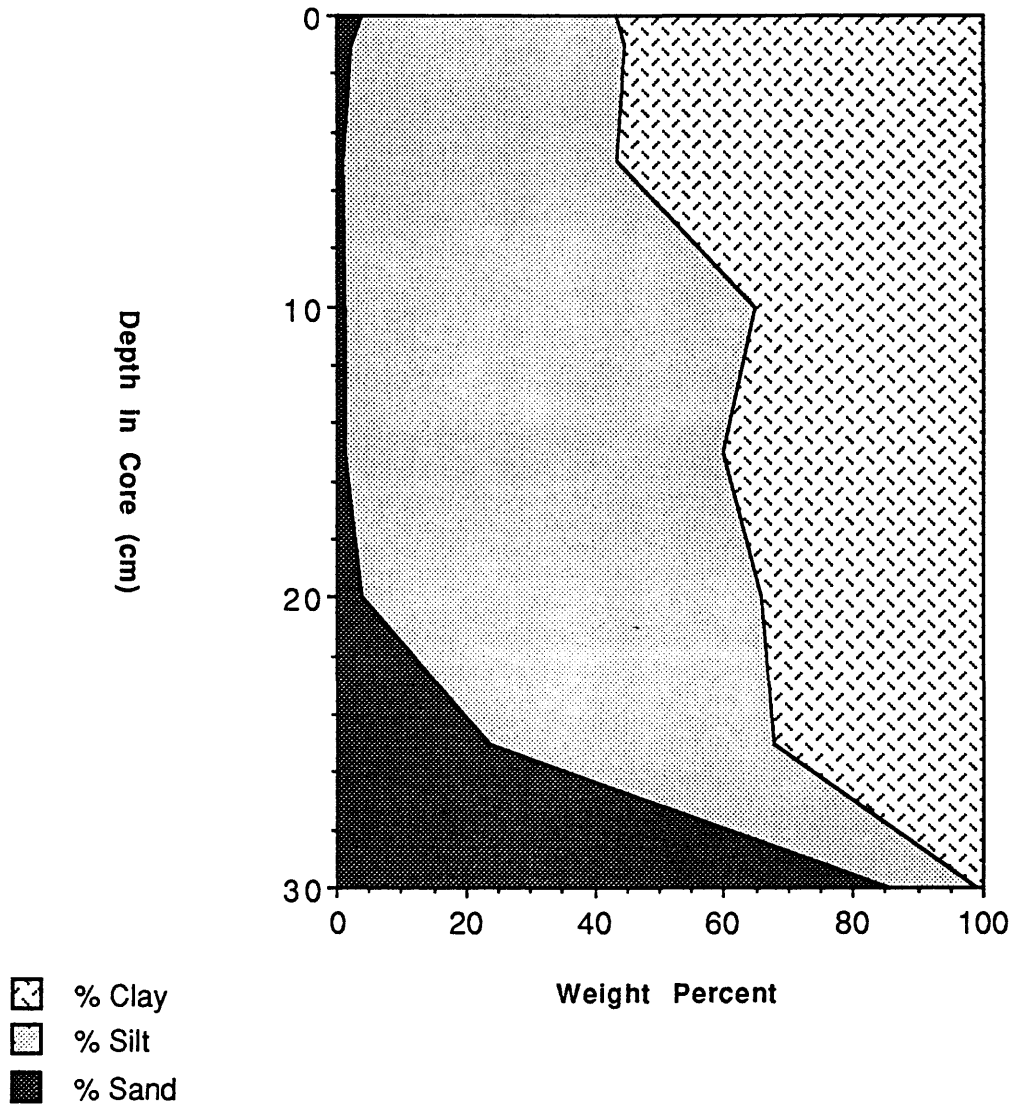
20
40
60
80
100
Weight Percent
% Clay
% Silt


F3-89-B31
Depth in Core (cm)
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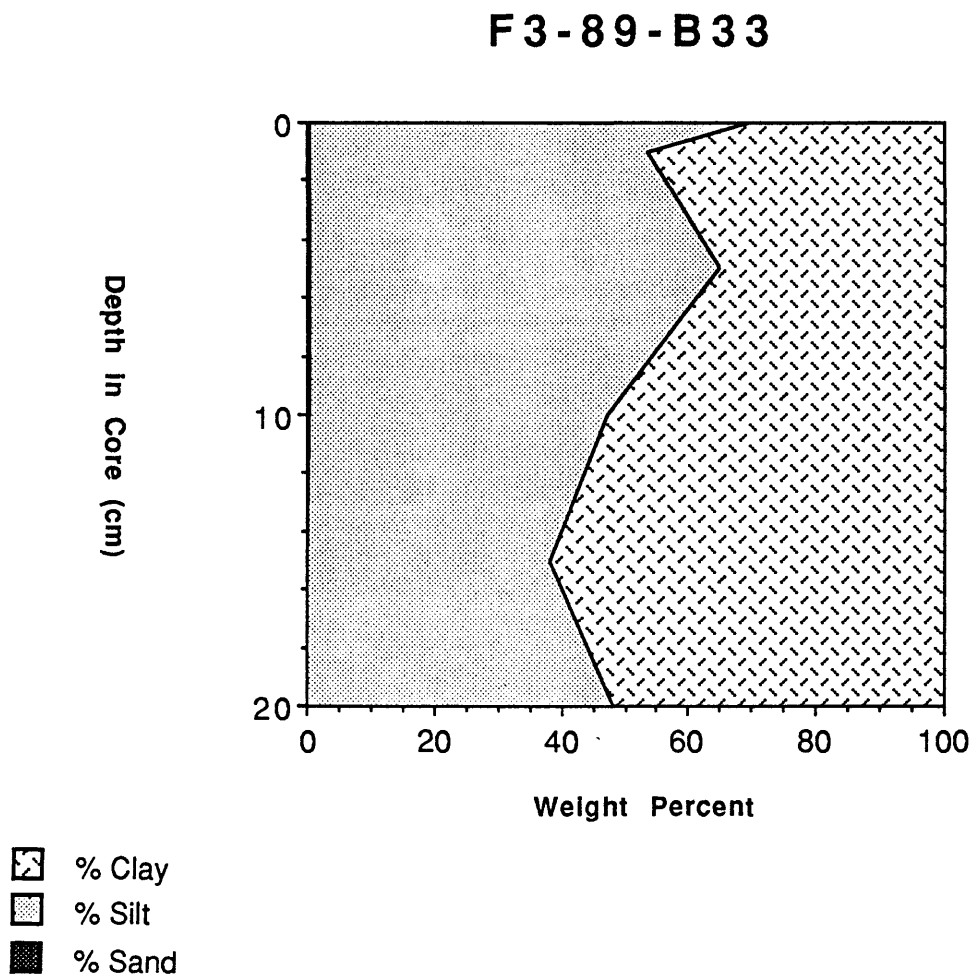
20
30
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-B33
Depth In Core (cm)
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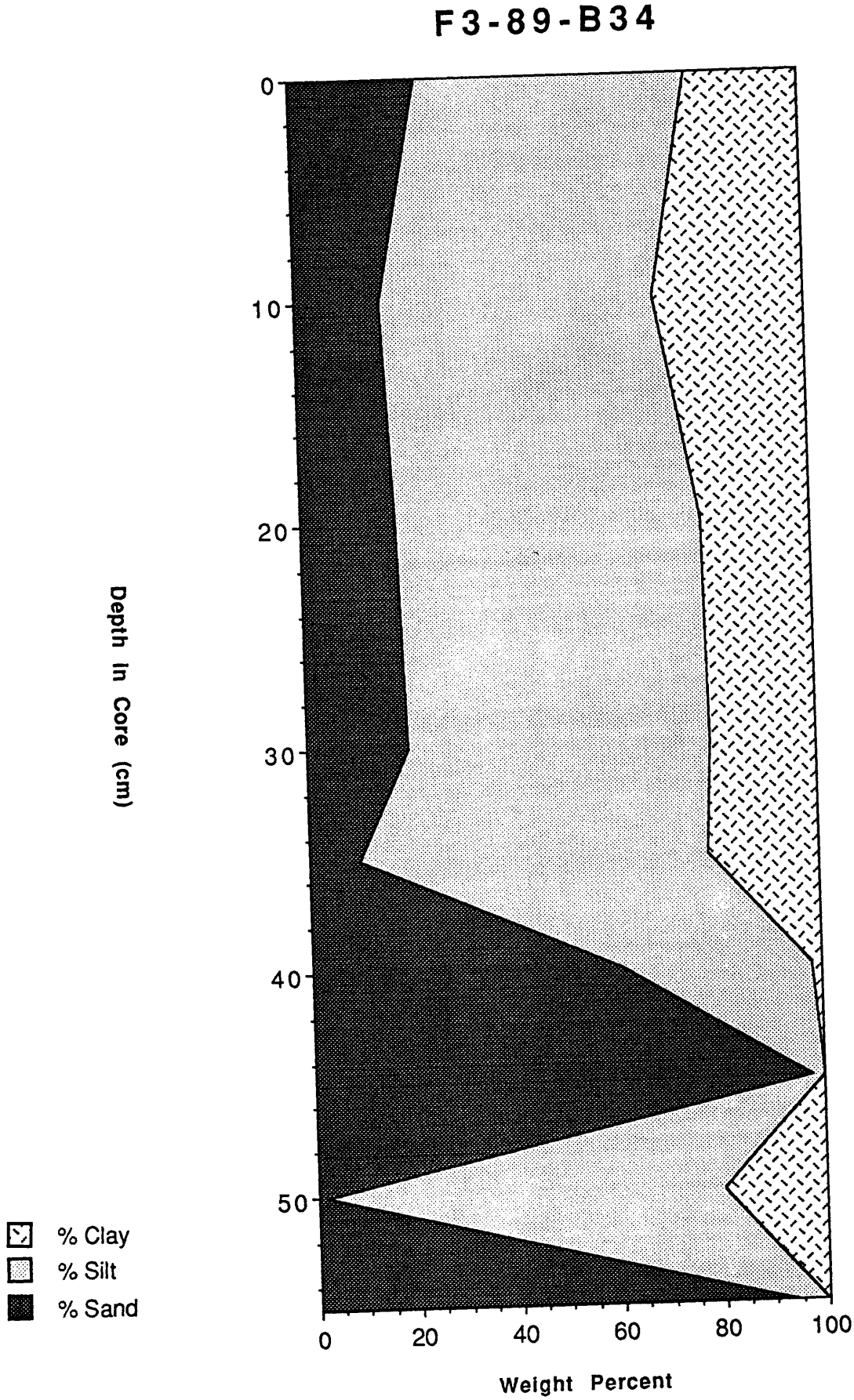
10
20
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand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Depth In Core (cm)
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60
80
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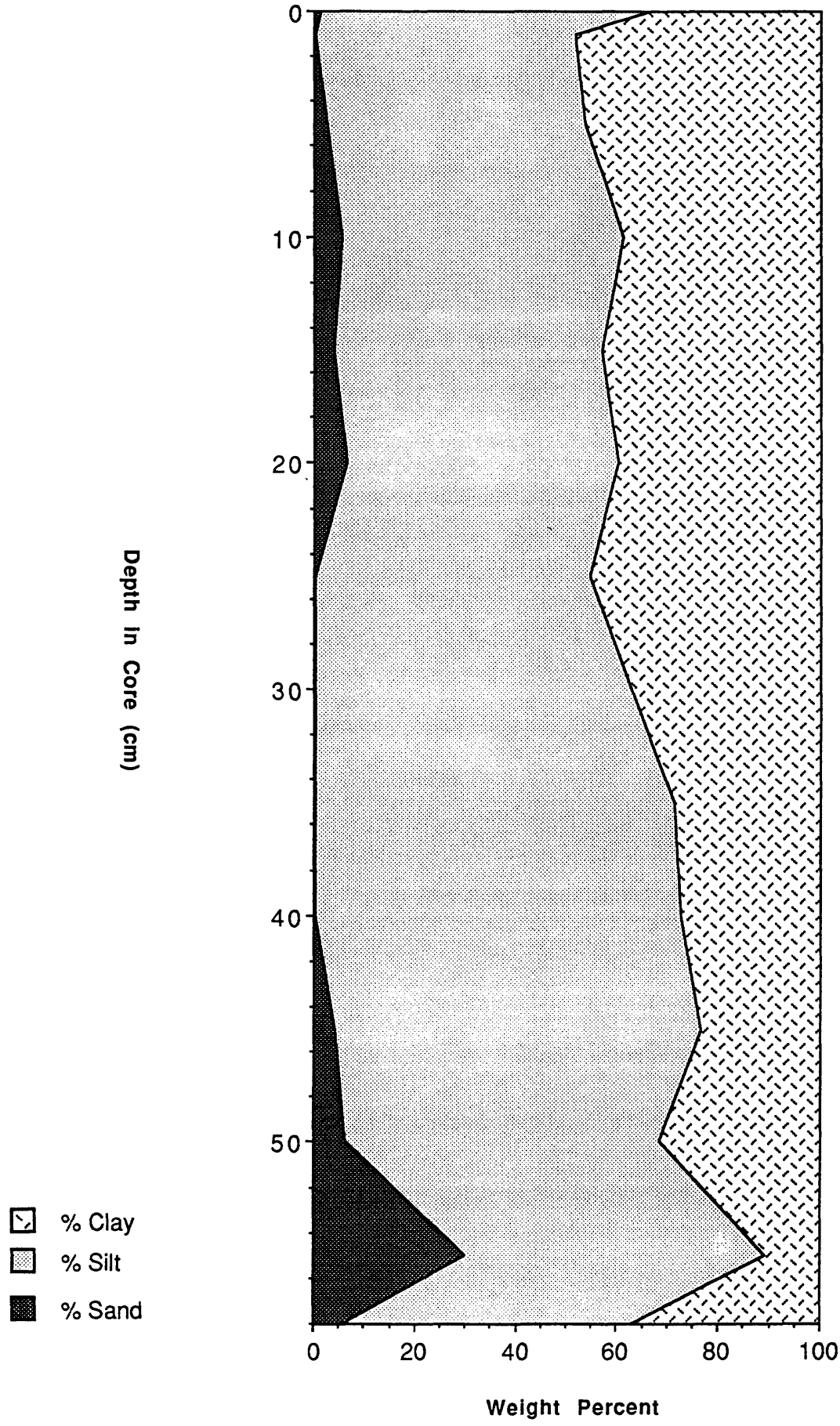
Weight Percent
% Clay
% Silt
% Sand


F3-89-B35
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Depth In Core (cm)
% Clay
% Silt
% Sand
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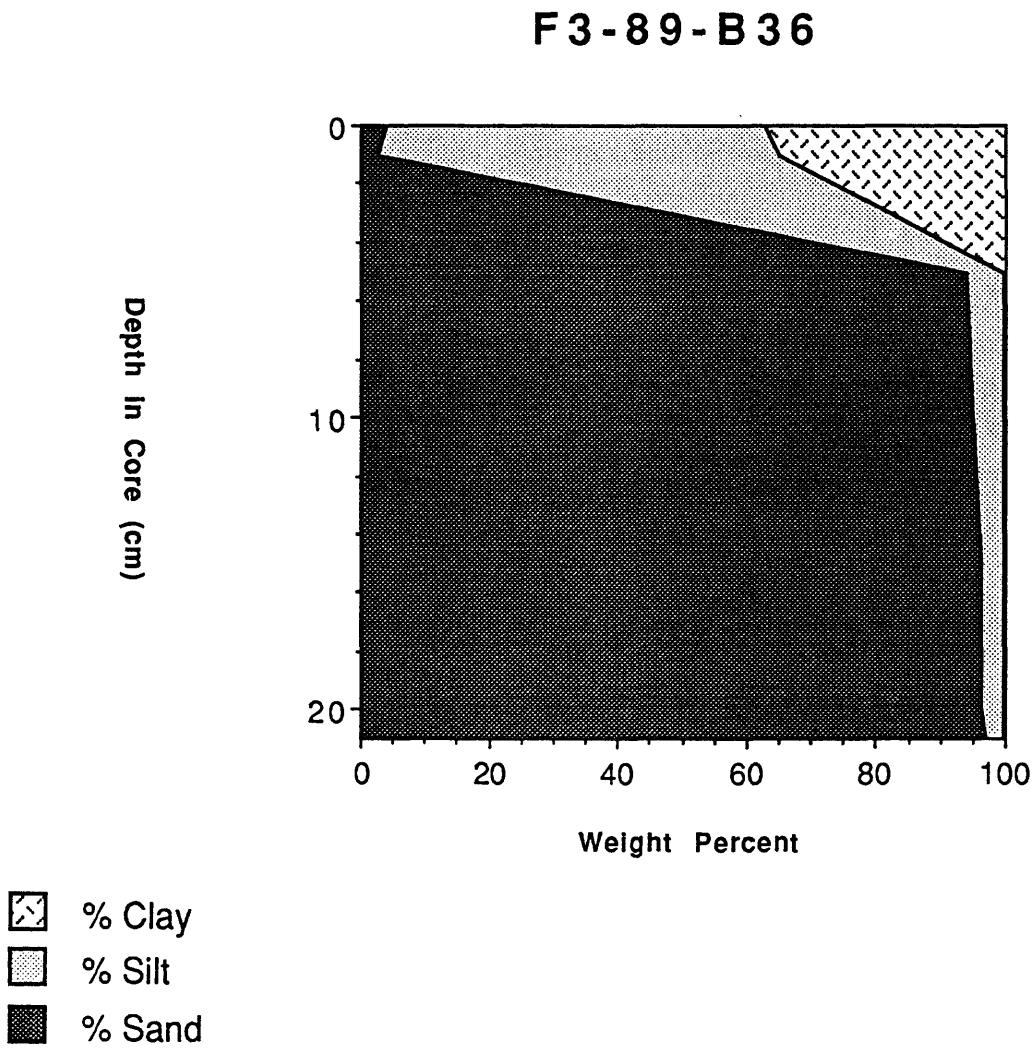
60
80
100
Weight Percent


F3-89-B36
Depth In Core (cm)
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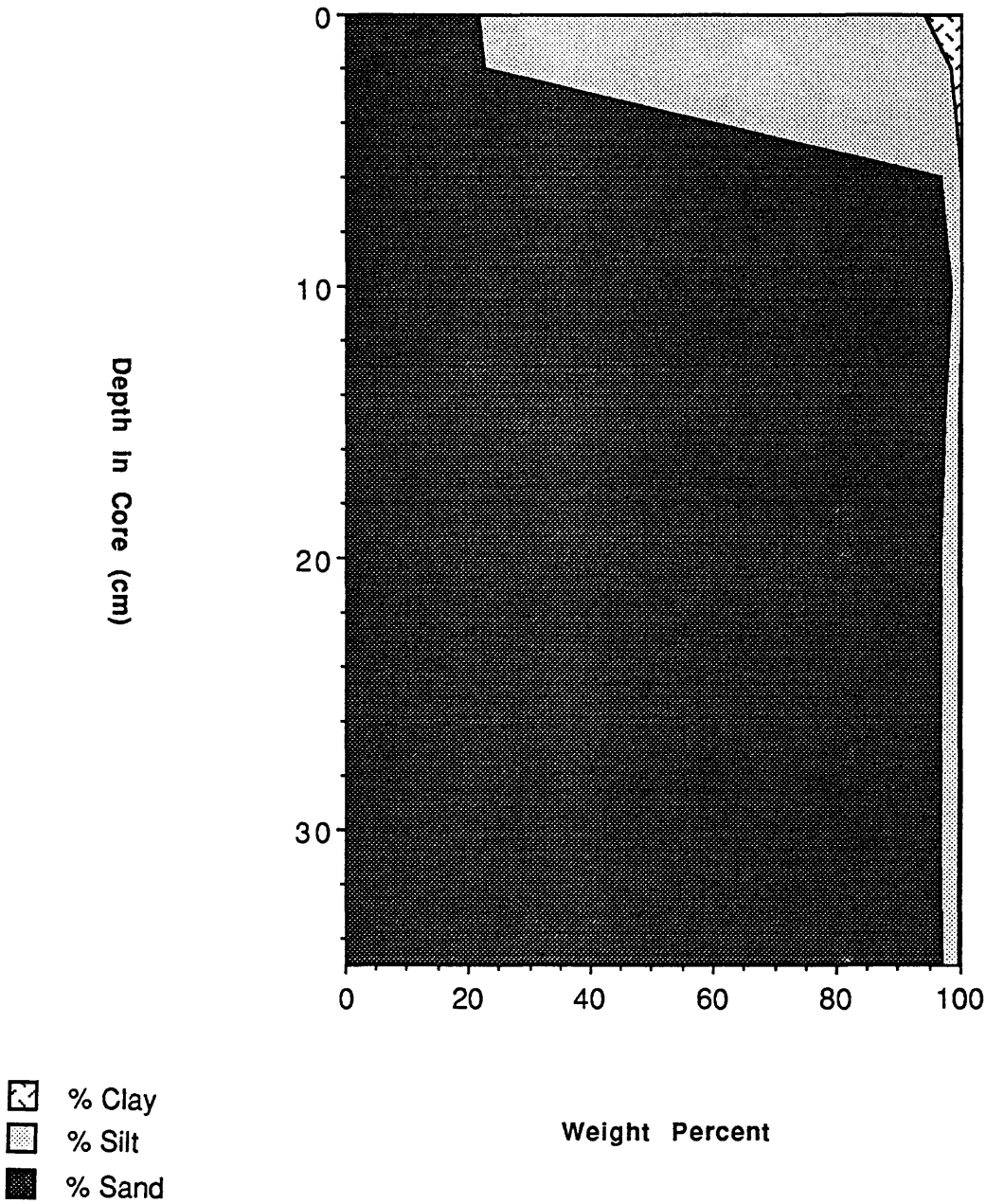
10
20
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand

F3-89-B37


0
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20
30
Depth in Core (cm)
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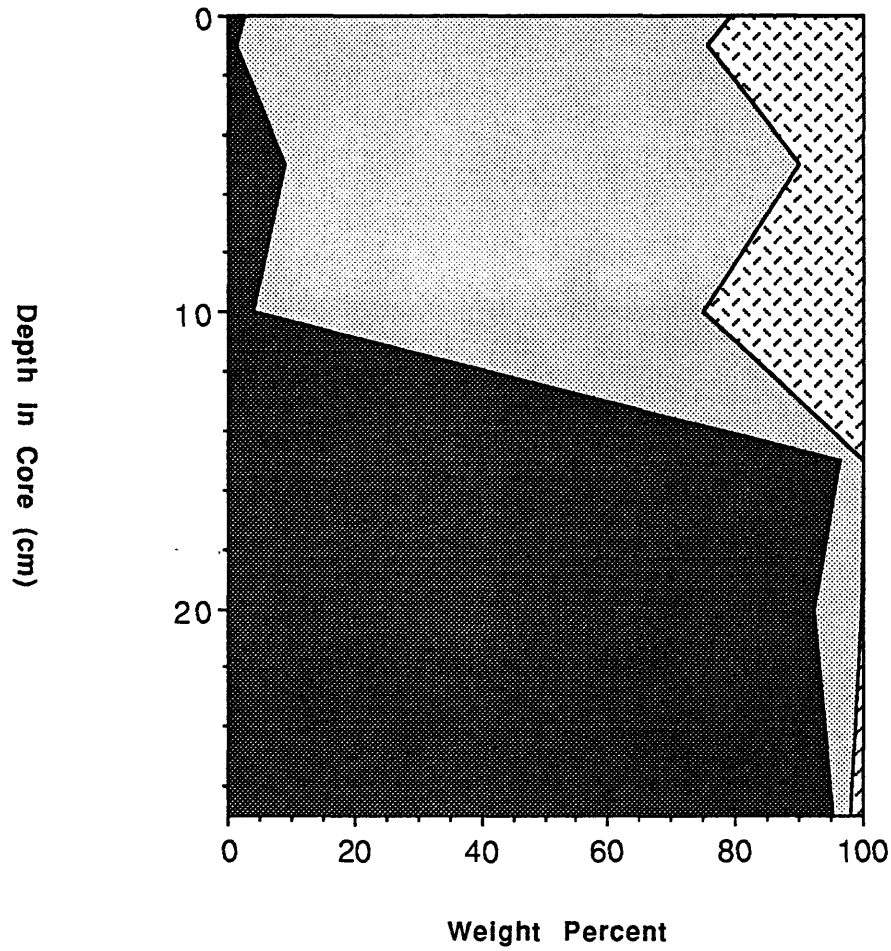
80
100
Weight Percent
% Clay
% Silt
% Sand

F3-89-B38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20
Depth In Core (cm)
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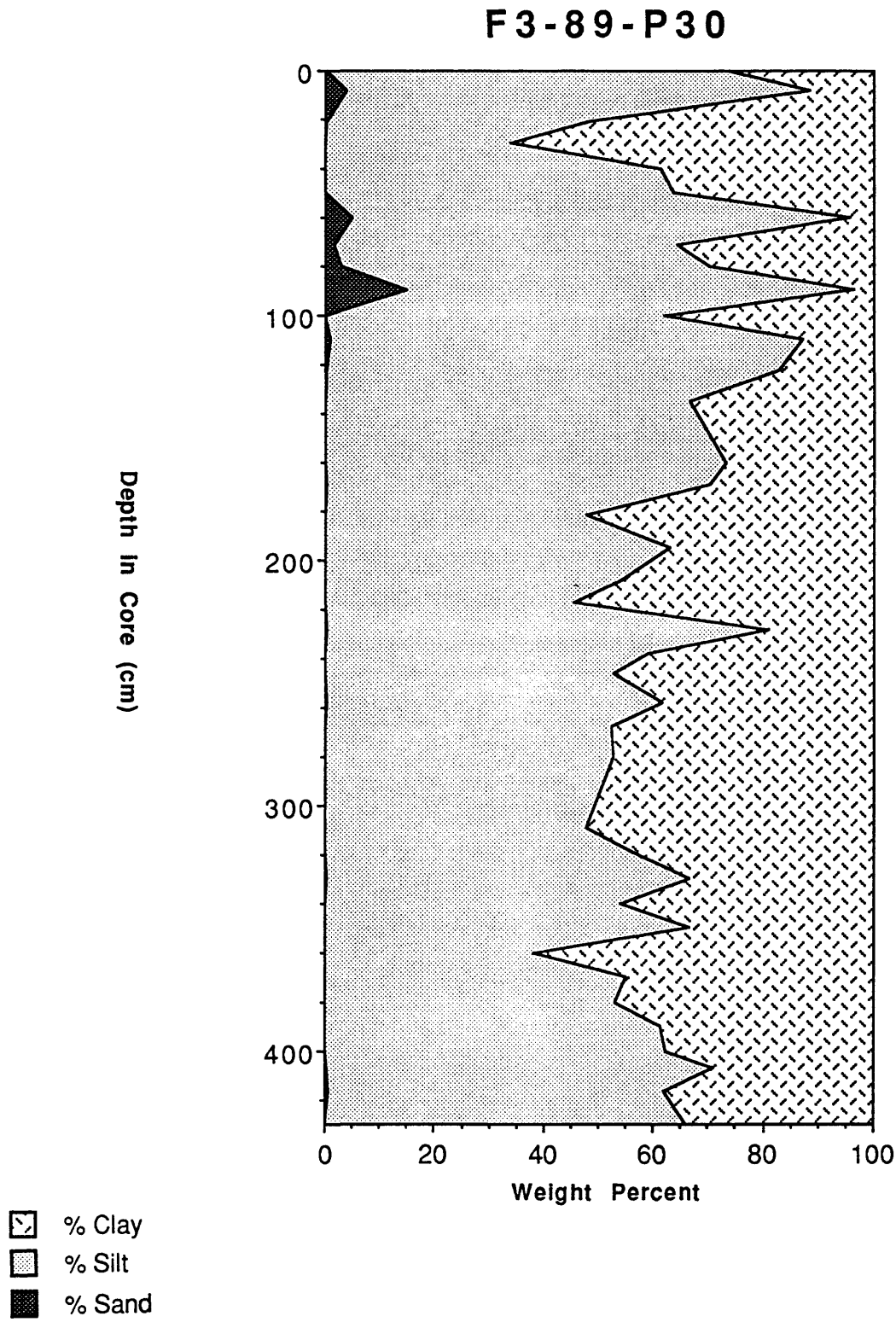
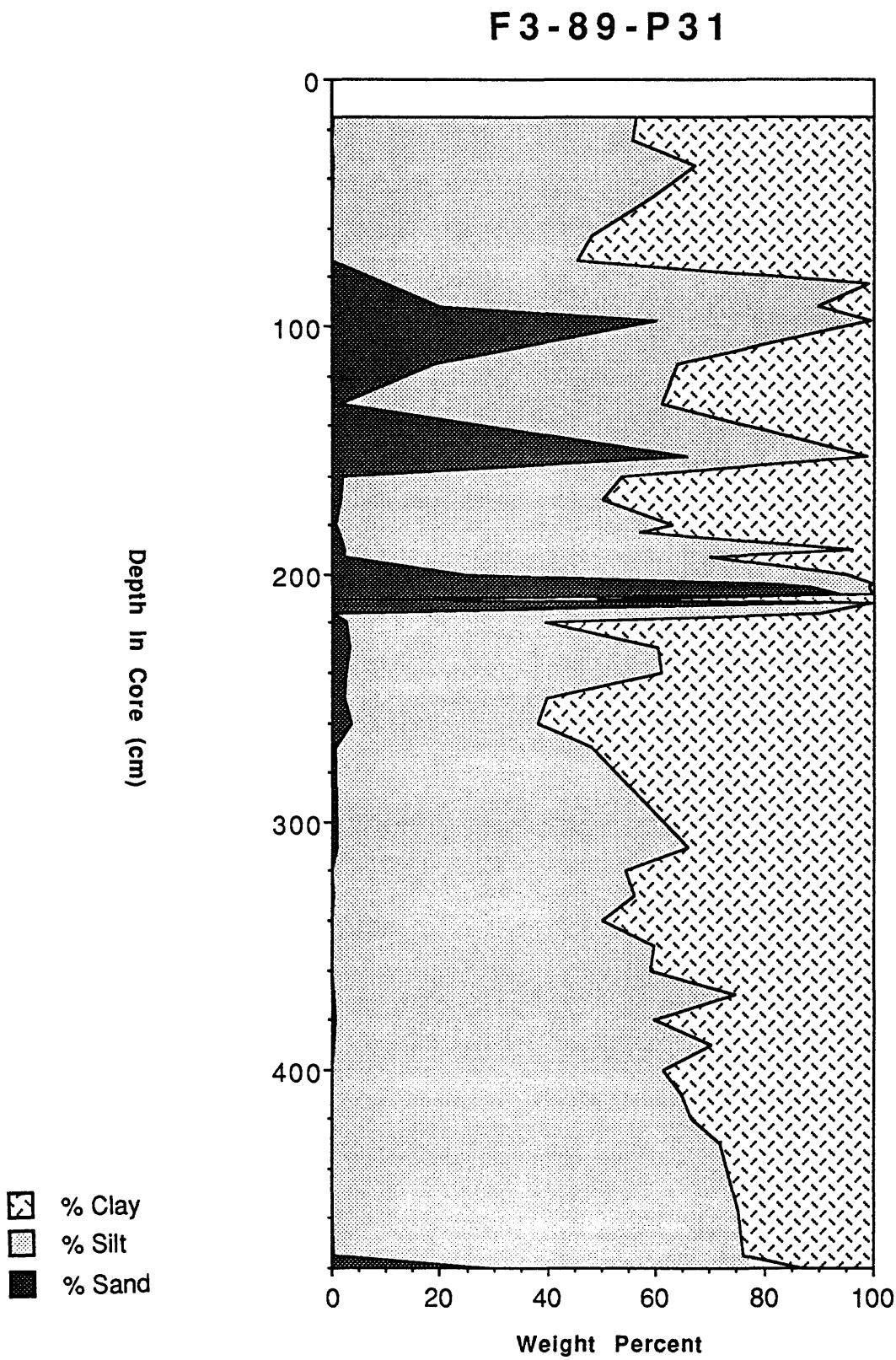
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-P30
0
100
200
300
400
Depth In Core (cm)
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-P31
0
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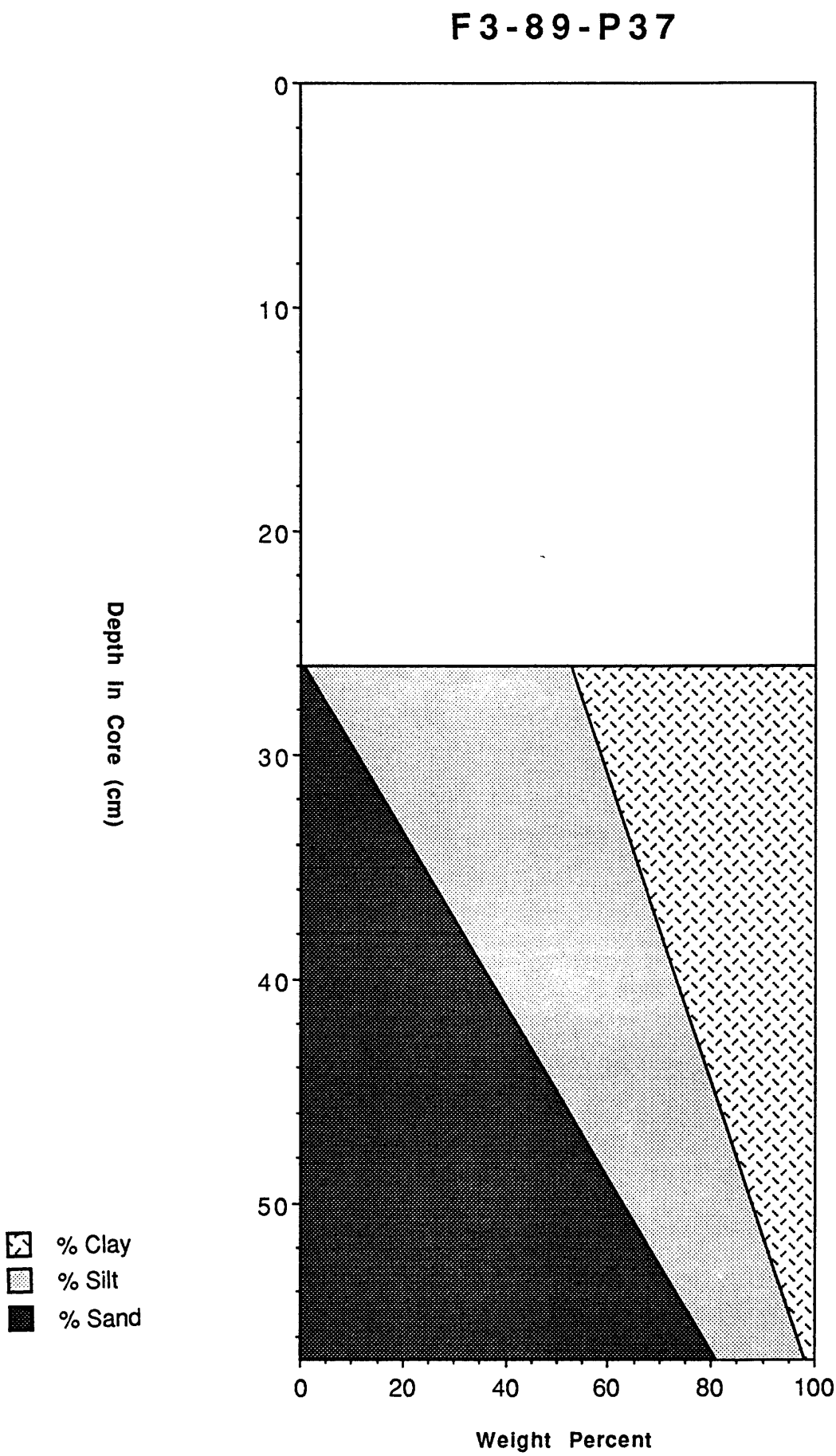
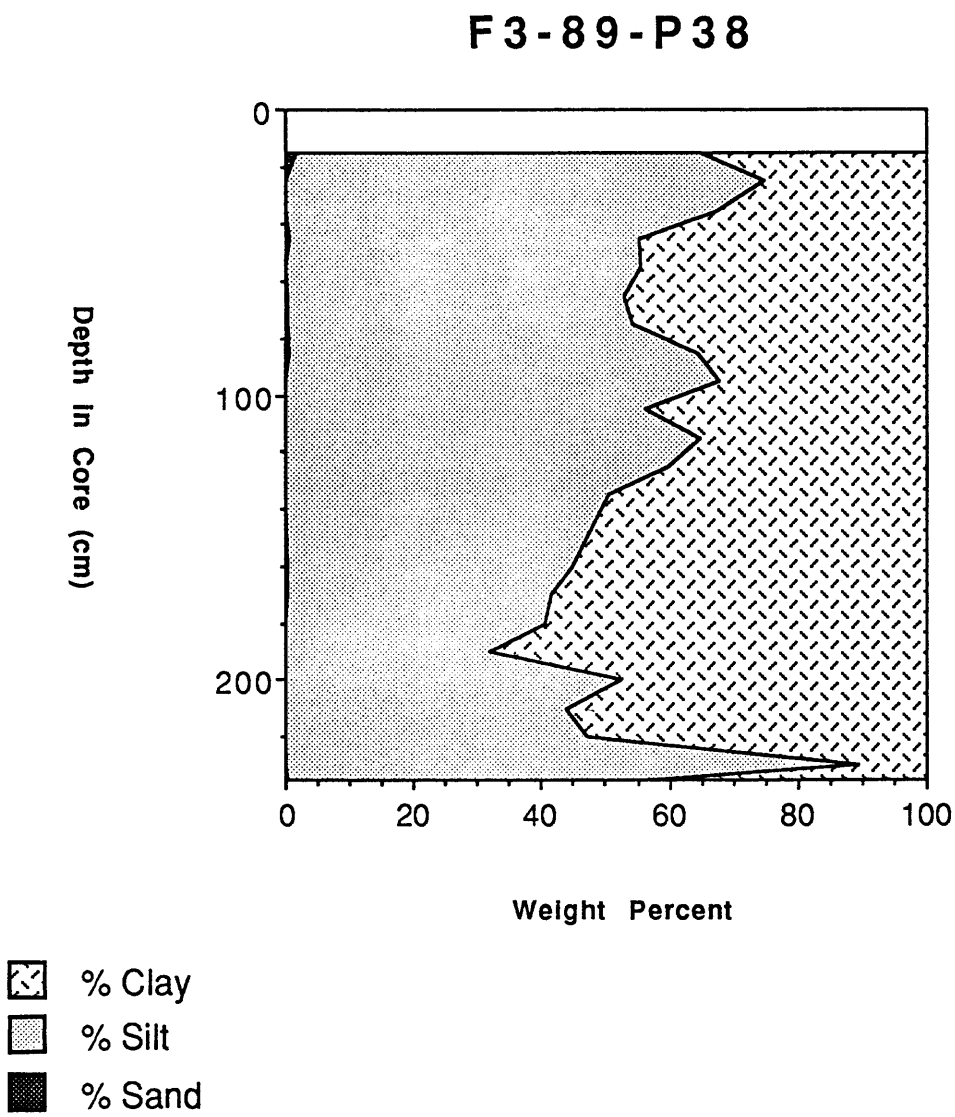
200
300
400
Depth In Core (cm)
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand

Figure 4 continued.

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200
Depth In Core (cm)
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20
40
60
80
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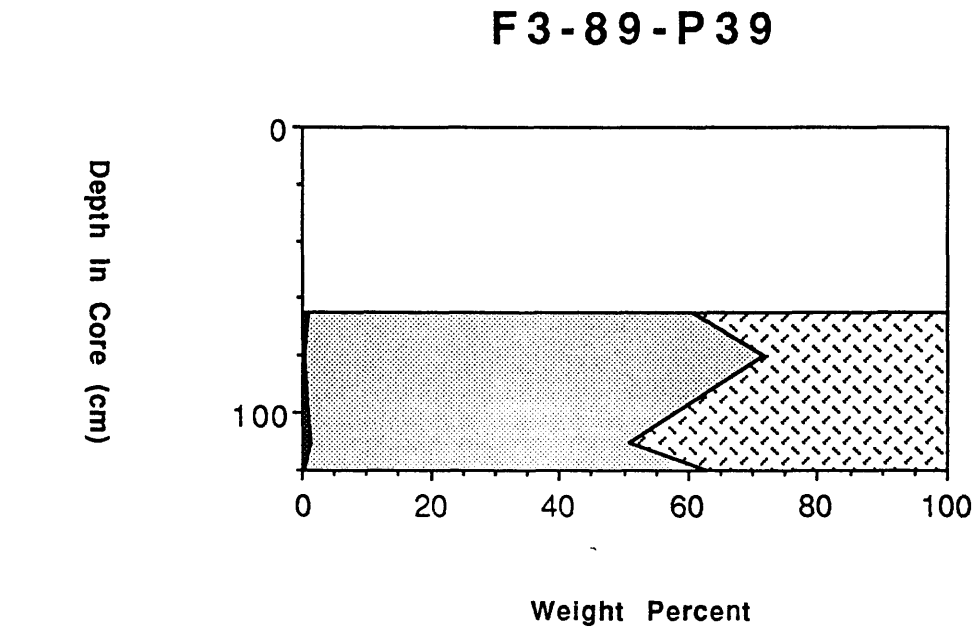
Weight Percent
% Clay
% Silt
% Sand


F3-89-P39
Depth In Core (cm)
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100
0
20
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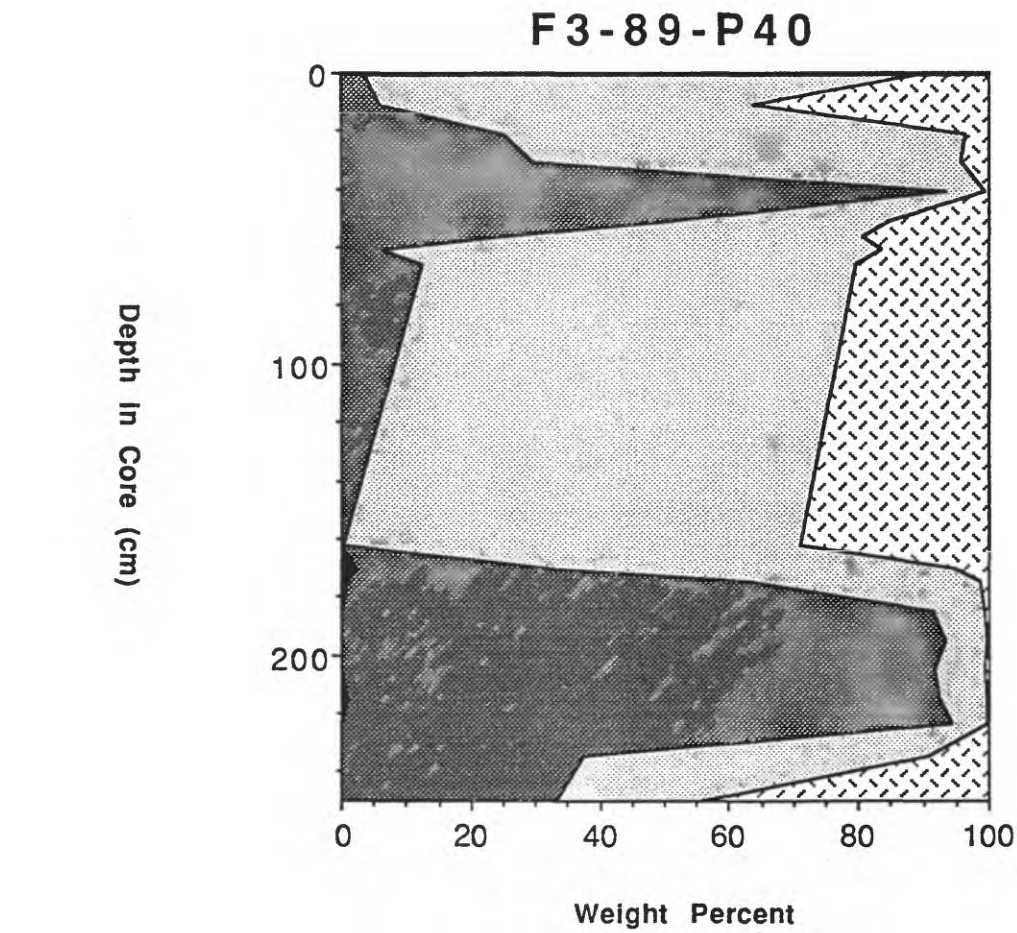
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-P40
Depth In Core (cm)
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200
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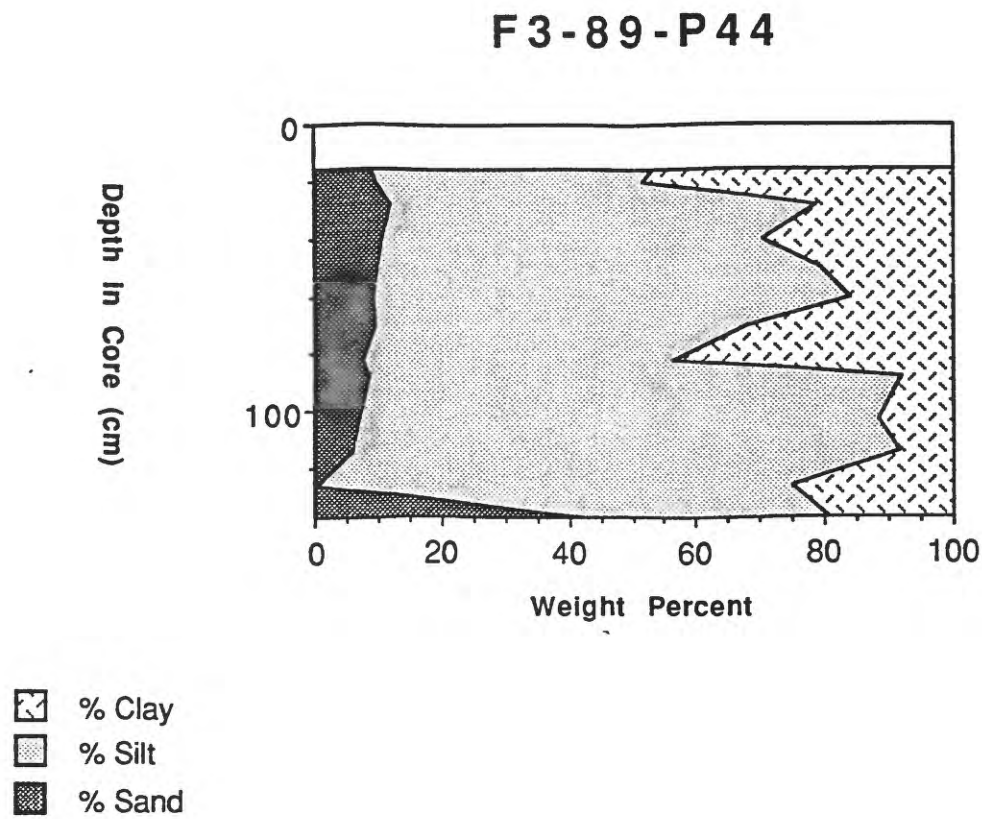
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand
% Gravel


F3-89-P44
Depth In Core (cm)
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80
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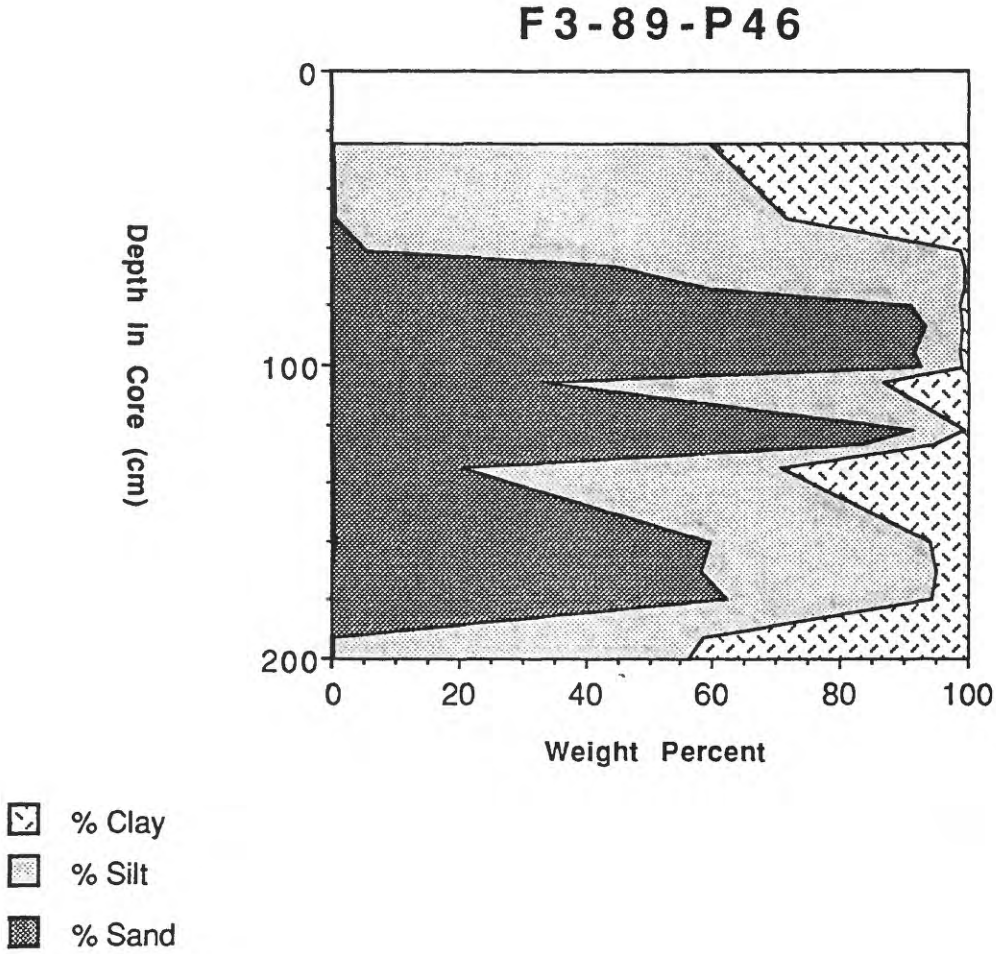
Weight Percent
% Clay
% Silt
% Sand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Depth In Core (cm)
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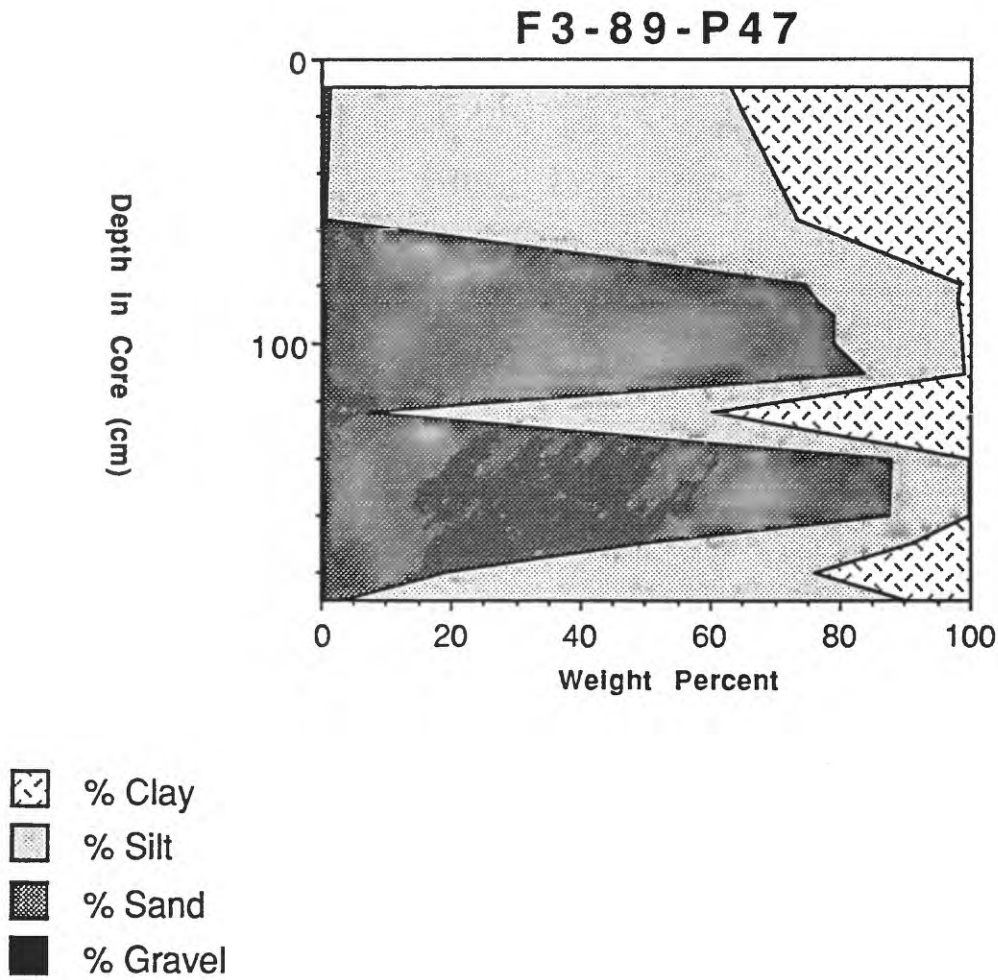
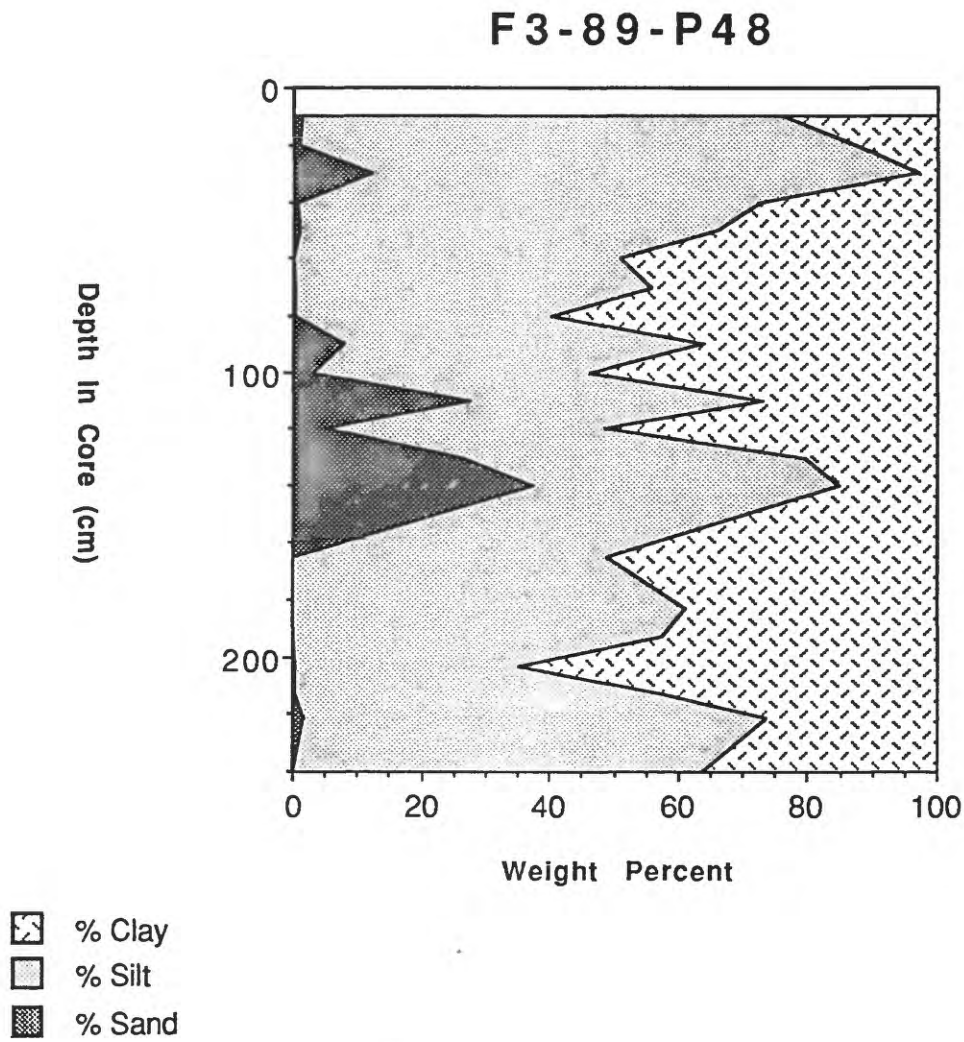
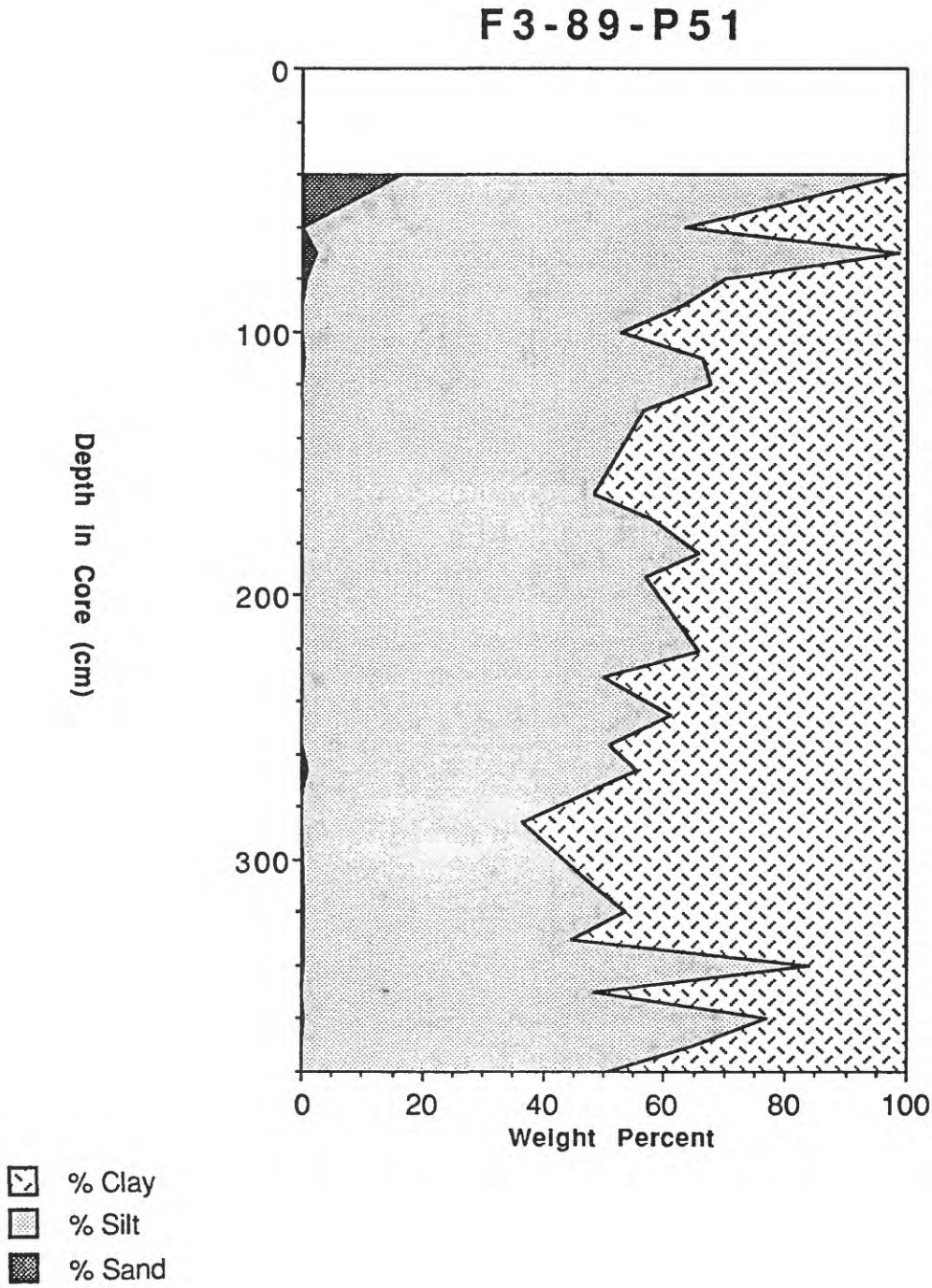
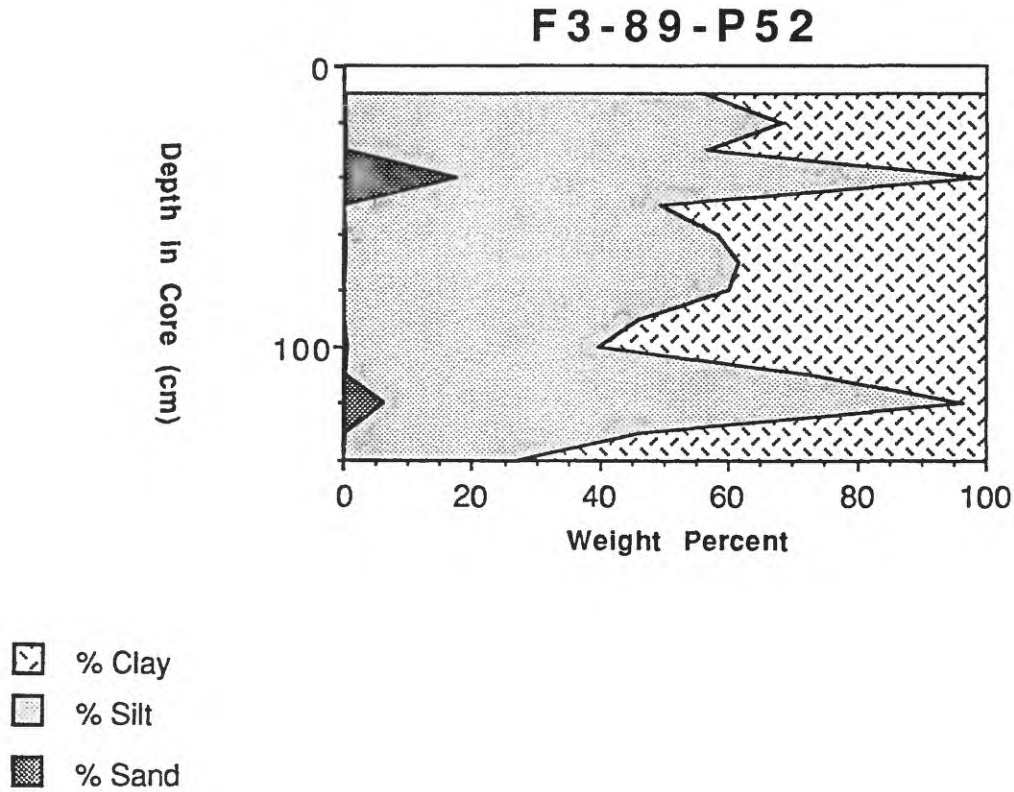
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-P47
Depth In Core (cm)
0
100
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand
% Gravel


F3-89-P48
0
100
200
Depth In Core (cm)
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-P51
0
100
200
300
Depth in Core (cm)
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand


F3-89-P52
Depth In Core (cm)
0
100
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand

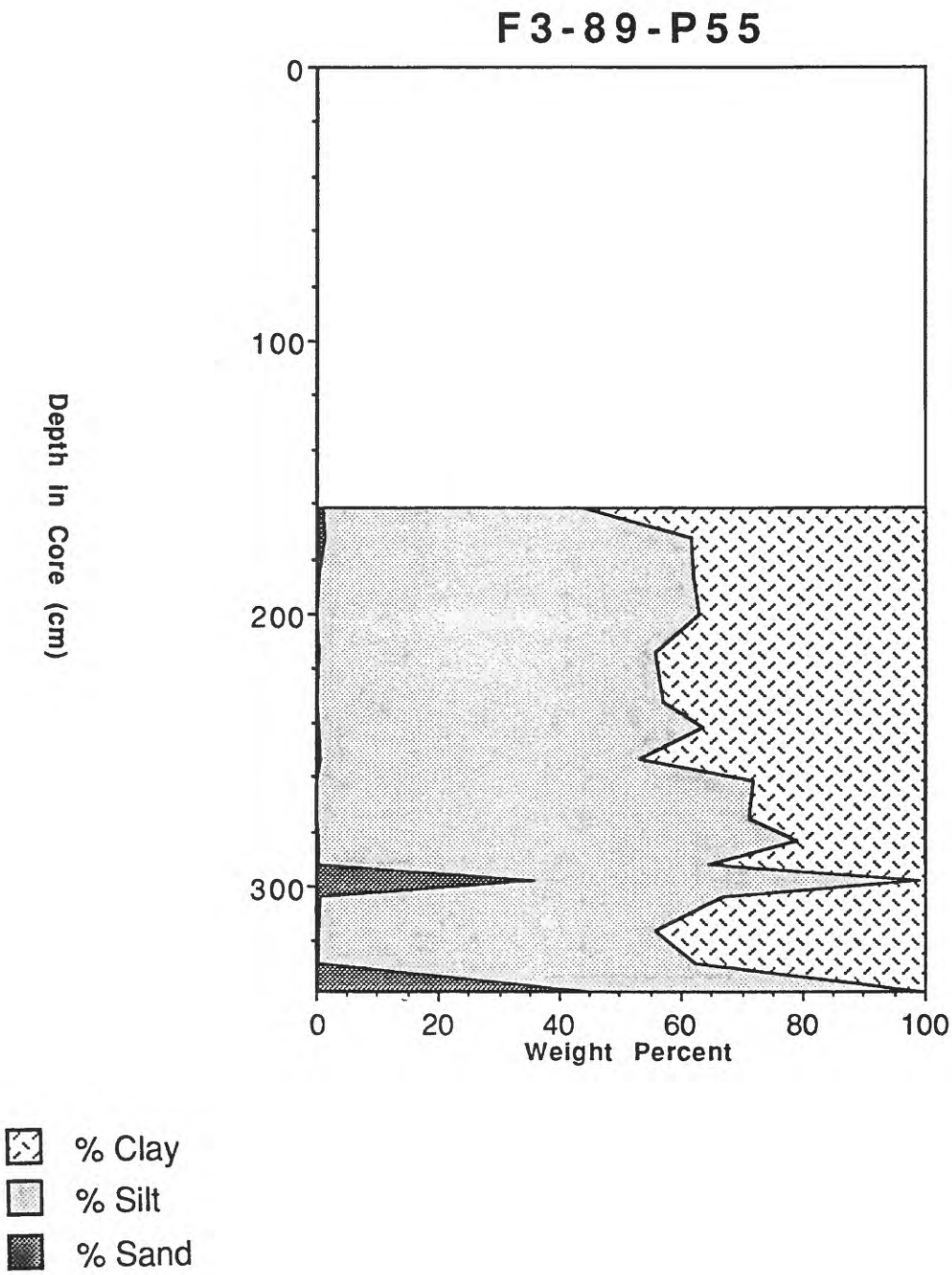
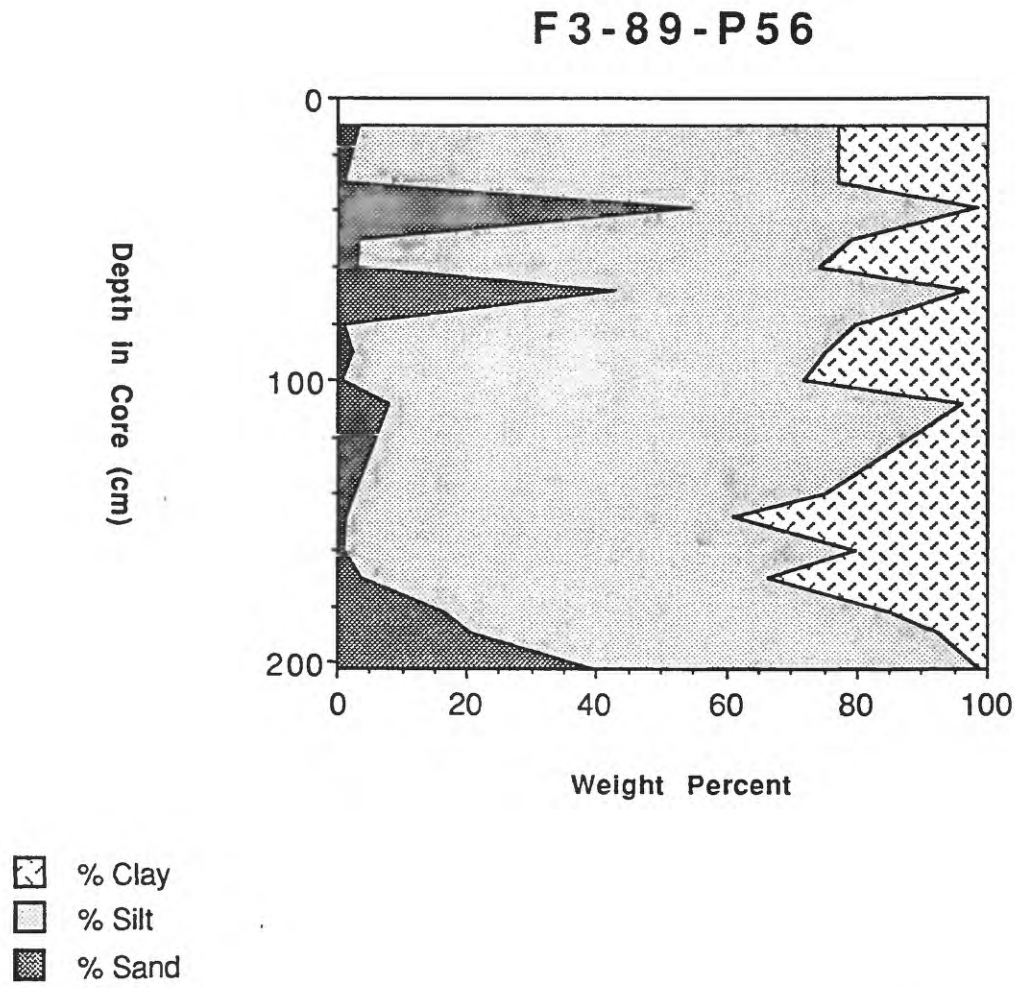
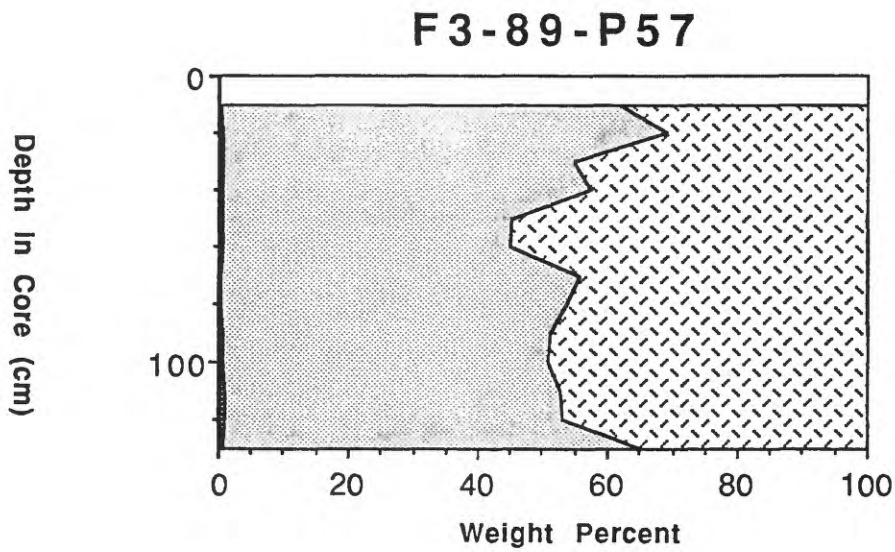
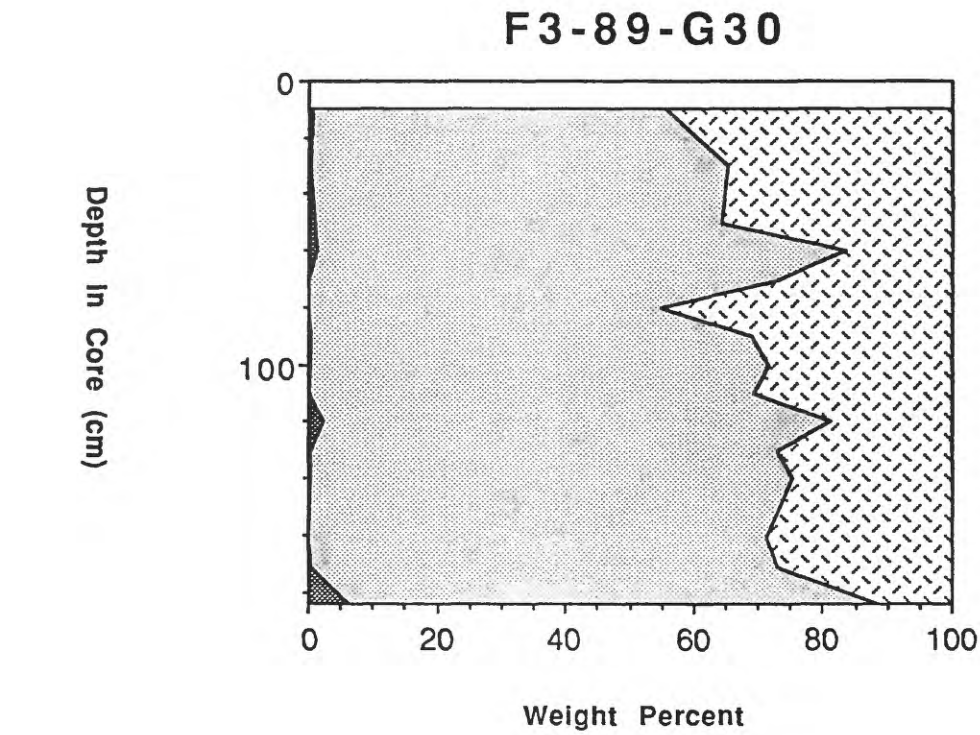

F3-89-P55
0
100
200
300
Depth In Core (cm)
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand

Figure 4 continued.





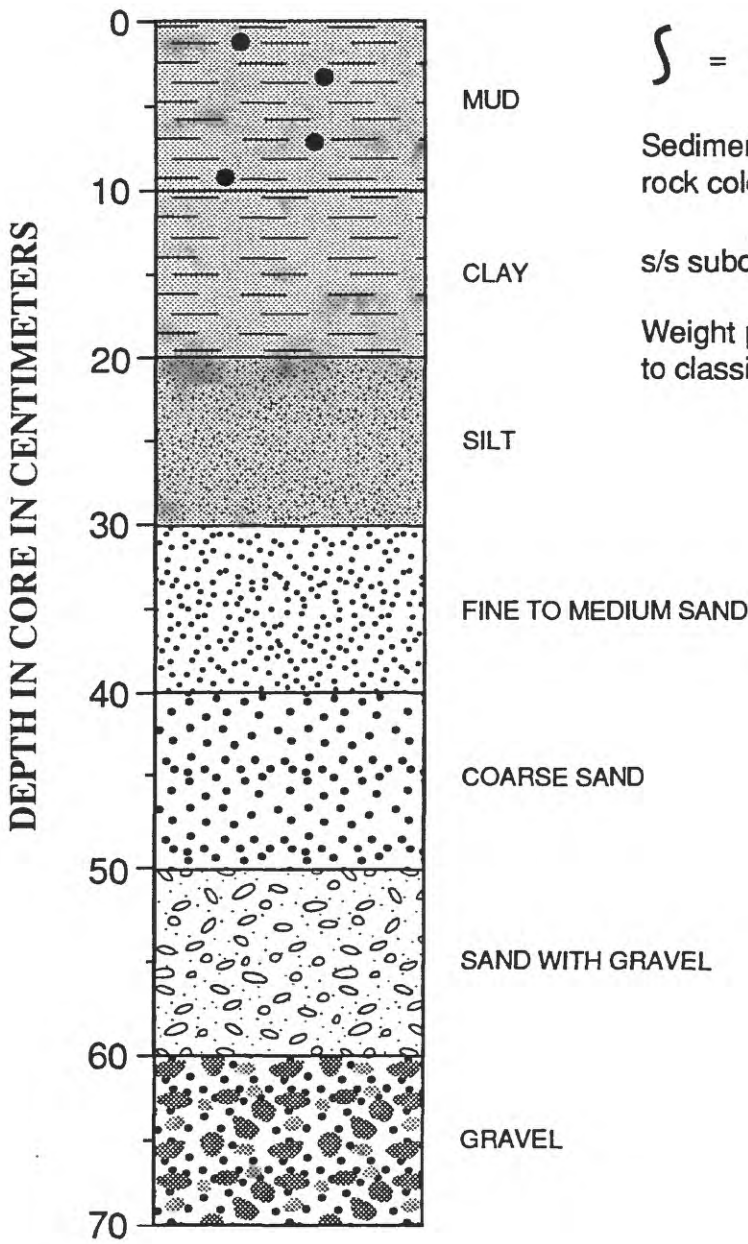
% Clay
% Silt
% Sand


F3-89-G30
Depth In Core (cm)
0
100
0
20
40
60
80
100
Weight Percent
% Clay
% Silt
% Sand

Explanation for Figure 5:

CORE ID: core descriptor F5-87-G1-2 = Farnella cruise 5, 1987, gravity core 1, section 2

WATER DEPTH:_____m (corrected)



∫ = bioturbation, burrows

Sediment color described using the G.S.A. rock color chart, e.g., 5 Y 5/6 (light olive brown).

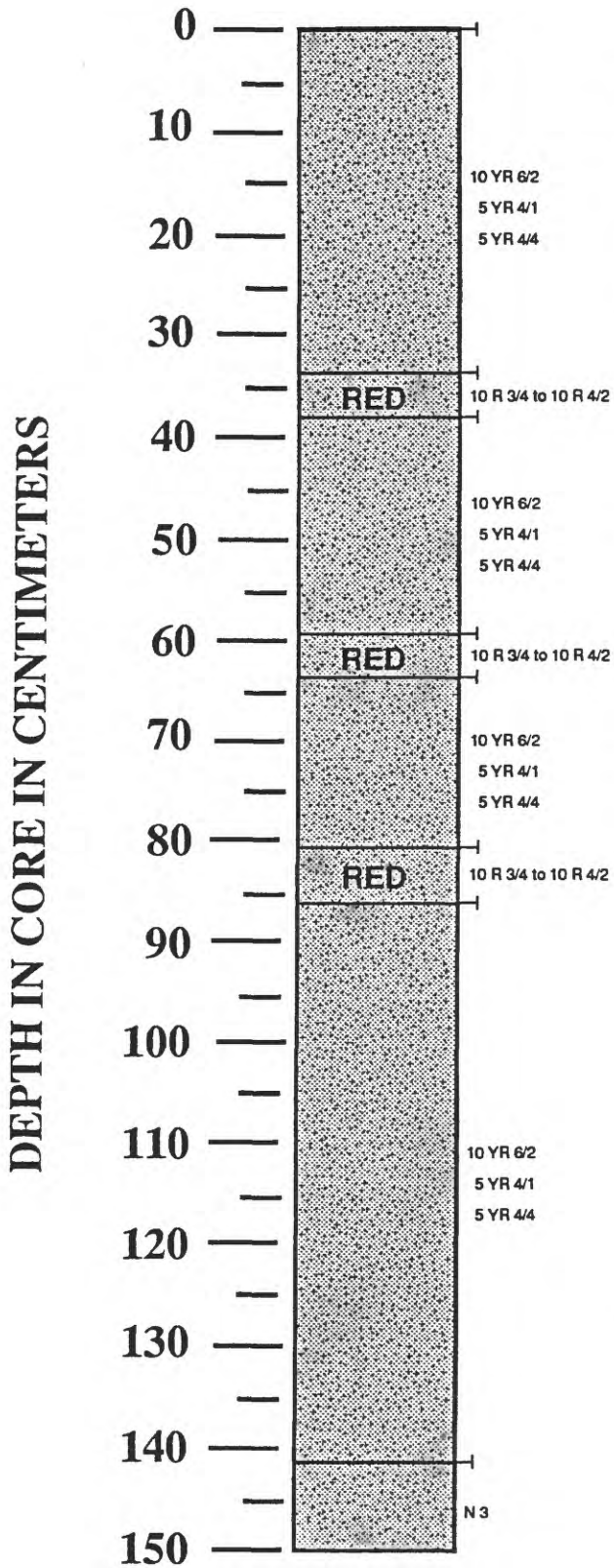
s/s subcore = stratigraphy and sedimentology subcore

Weight percents from Table 2 were used with Figure 6 to classify sediments.

Figure 5.

CORE ID: F5-87-G1-1

WATER DEPTH: 3973 **m (corrected)**



Upper 142 cm consists of brightly colored variegated CLAY SILT. Colors range from pale yellowish brown (10 YR 6/2), brown gray (5 YR 4/1), to dark brown (5 YR 4/4). Within the upper 86 cm are 3 dark reddish brown (10 R 3/4) to grayish red (10 R 4/2) bands of CLAY SILT.

The red-colored CLAY SILT is in three bands: **33-37 cm**
59-63 cm
81-86 cm

The banding in the top 30 cm is very fine 1 mm scale.

142-150 upper part of turbidite (cut at 150) is finely laminated, micaceous, dark gray (N 3) SANDY SILT, and contains one burrow.

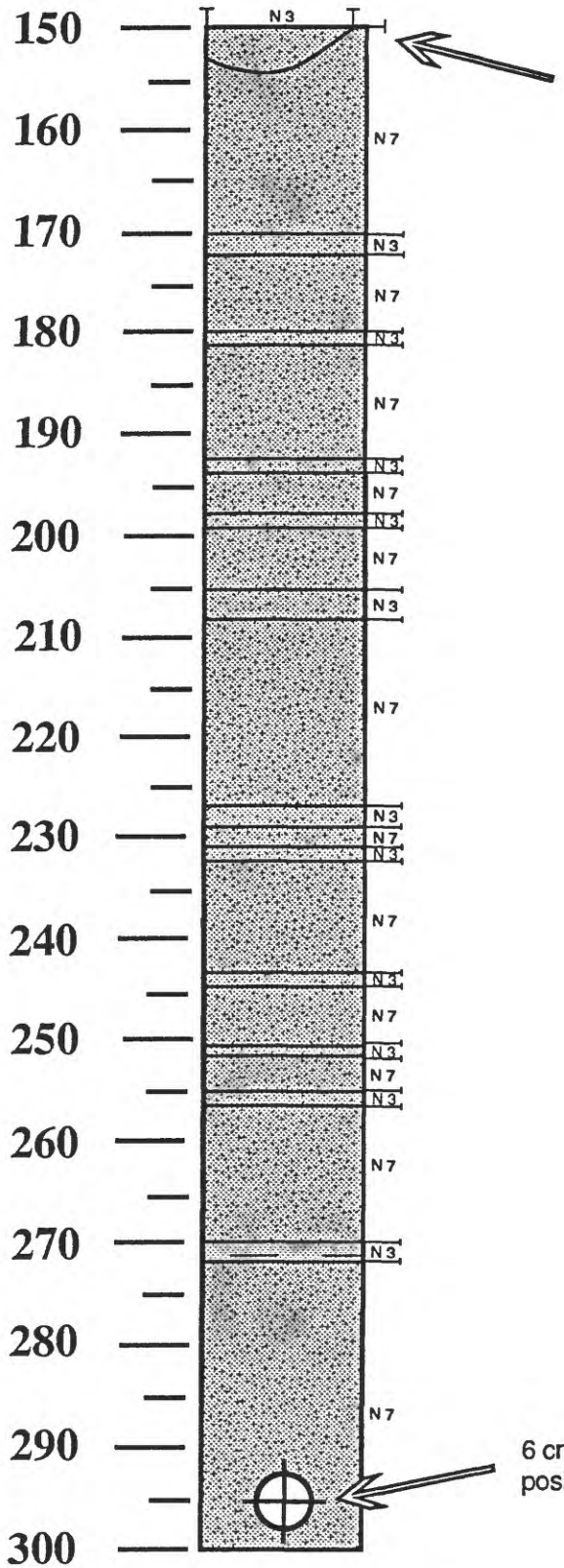
Many of the layers appear cyclic - either in couplets or triplets - but the state of the core makes it difficult to determine. For example, each of the red-brown layers overlies a gray slightly coarser layer, and each pair MAY represent a single flow event.

Some concern in the lab (because of standing water at about 70-80 cm) that this core was a double hit, but no concrete evidence is apparent. Core was initially very weak and watery, difficult to split.

Figure 5 continued.

CORE ID: F5-87-G1-2

WATER DEPTH: 3973 **m (corrected)**



Base of turbidite

CLAY SILT, light gray (N 7), interbedded with SILTY CLAY and SANDY SILT, dark gray (N 3). Entire section appears to be a series of turbidites.

Bases are deformed by loading or bioturbation at:

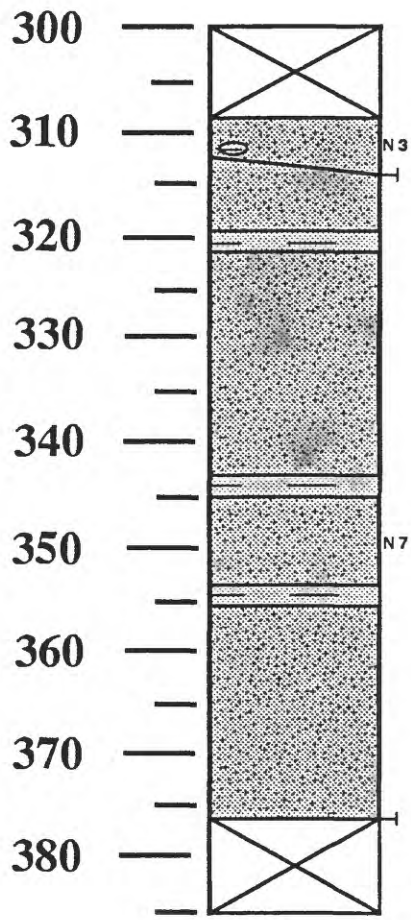
198-199 cm
205-208 cm
227-229 cm

6 cm. long, 1 cm dia., cylindrical object originally in horizontal position. Likely a burrow concretion (or replaced wood?).

Figure 5 continued.

CORE ID: F5-87-G1-3

WATER DEPTH: 3973 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Note: top 8 cm removed for Hamilton frame test.

308-314 cm, dark gray (N 3) graded CLAY SILT turbidite. Very sharp base (bowed during coring). Contains light gray (N 7) silty clay clast.

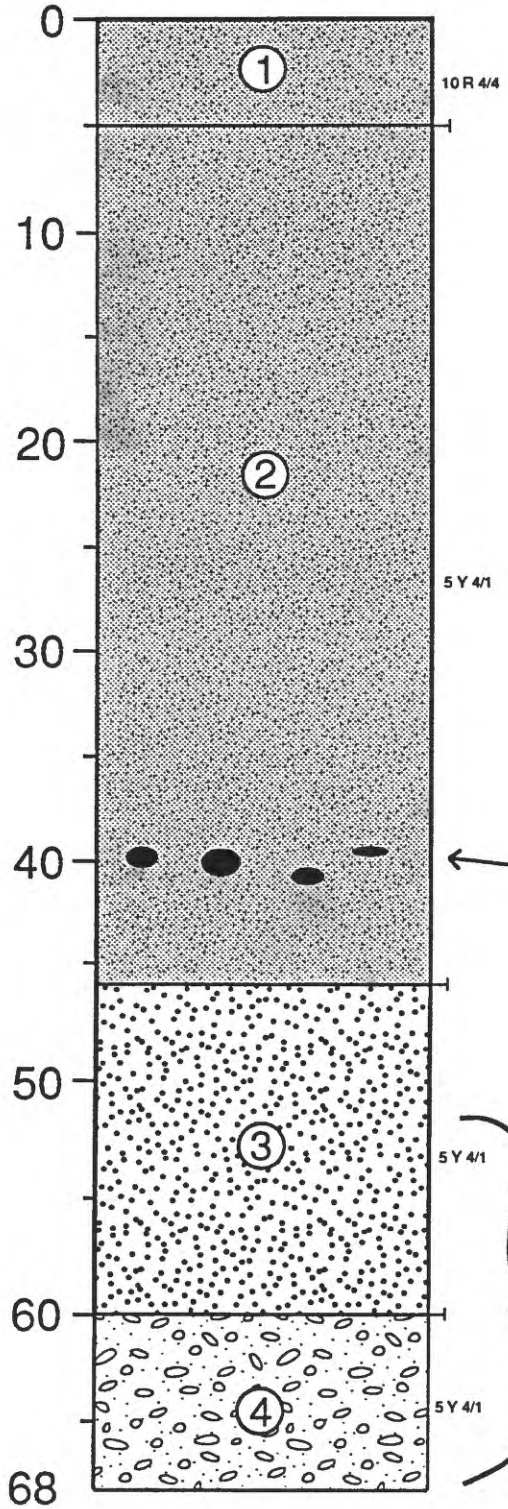
Remainder of core is interbedded light gray (N 7) SILTY CLAY and CLAY SILT (layers ~2-4 mm thick). Distinct purple band at 335-338 cm, probably diagenetic discoloration, but sharp and slightly coarser basal laminae suggests flow origin discoloration patterns are similar to Mn and FeS smears in other cores.

376-385 cm removed for geochemistry

CORE ID: F5-87-B1

WATER DEPTH: 4445 **m (corrected)**

? lost from on top by overpenetration



1. CLAY SILT, reddish-brown (10 R 4/4)
2. CLAY SILT, olive gray (5 Y 4/1)
3. SAND, olive gray (5 Y 4/1)
4. SAND, olive gray (5 Y 4/1) with gravel

While subsampling s/s subcore, got ~10 cm foreshortening. After coring, free water flowed from around the outside of liner.

Organic carbon samples every 5 cm. down to 60 cm.

Sieve samples at >1/4" and >1/8"

← mud lumps (2-3 cm dia.)

Bulk bottom sample taken

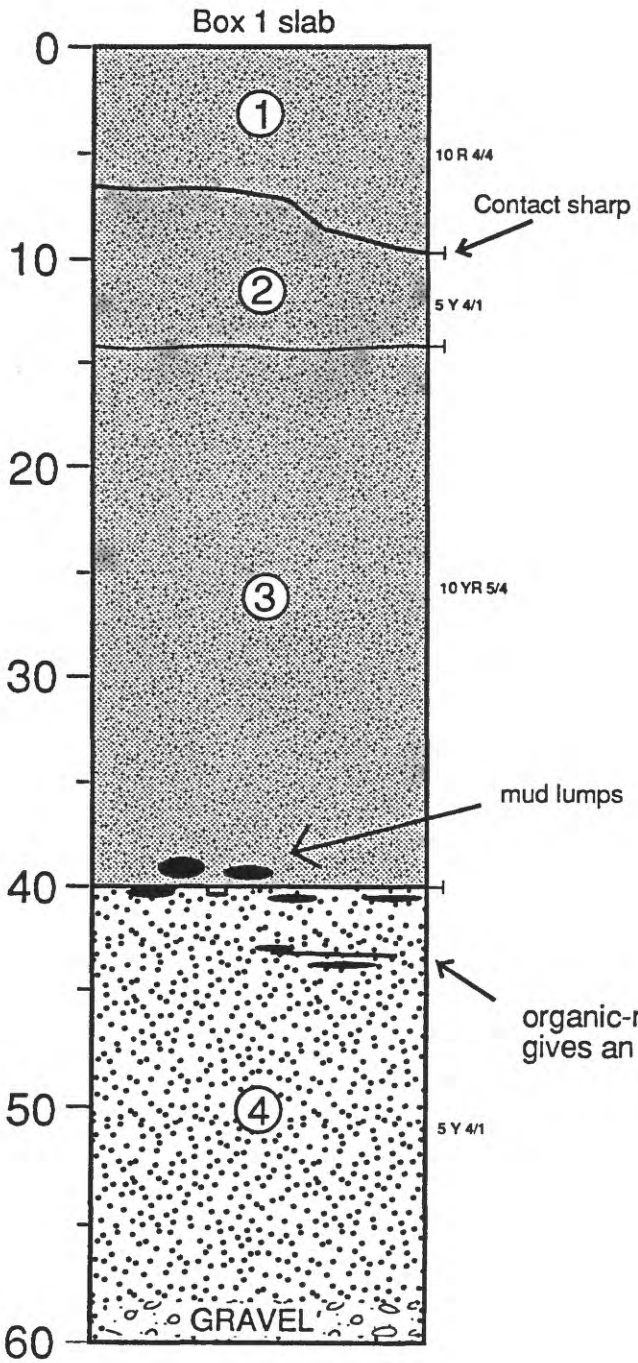
Bulk bottom TOC (total organic carbon) sample taken

End of Core at 68 cm

Figure 5 continued.

CORE ID: F5-87-B1 (slab)

WATER DEPTH: 4445 **m (corrected)**



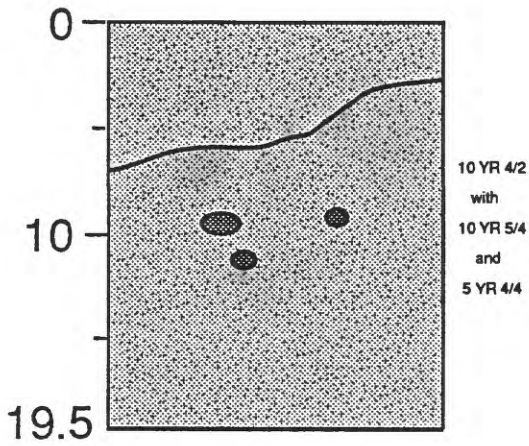
1. CLAY SILT, oxidized reddish brown (10 R 4/4) with burrow mottling.
2. CLAY SILT, olive gray (5 Y 4/1) with occasional burrows.
3. CLAY SILT, burrow mottled matrix, moderate yellowish brown (10 YR 5/4); burrows typically infilled with olive gray (5 Y 4/1); open 1 cm diameter burrow (horiz.) at 17 cm.
4. SILTY SAND to SAND, olive gray (5 Y 4/1) with organic-rich layers, cobbles and pebbles.

organic-rich layers, analysis of sample taken at 44.5 cm gives an AMS ^{14}C date of 10,340 ± 170 yr B.P.

Figure 5 continued.

CORE ID: F5-87-B2

WATER DEPTH: 4442 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

0-19.5 cm CLAY SILT, dark yellowish brown (10 YR 4/2) matrix throughout.

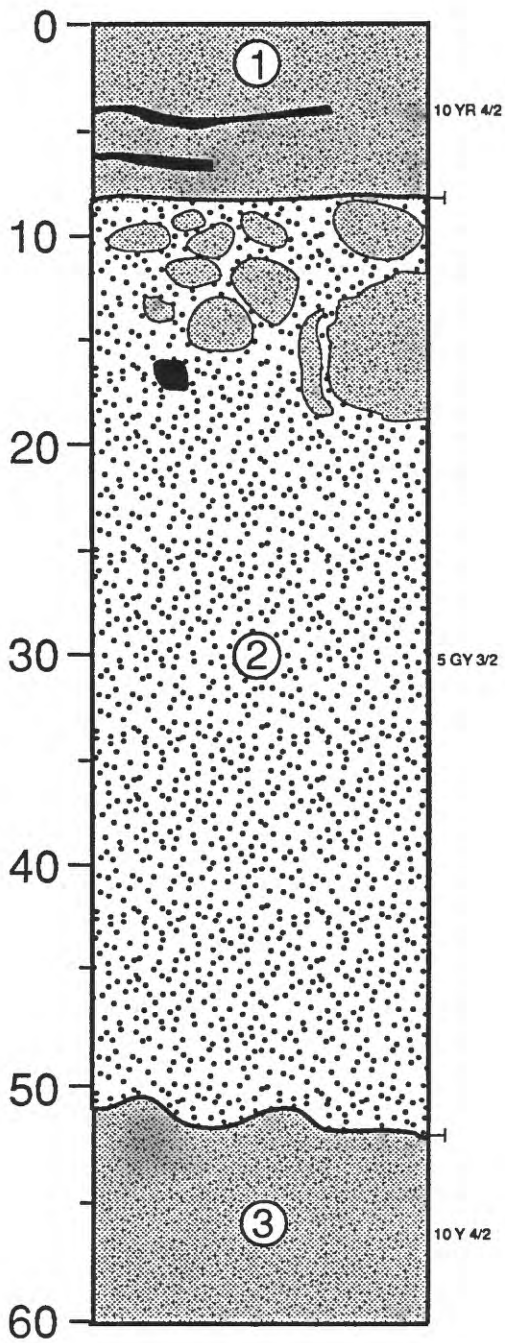
14-19.5 cm CLAY SILT, moderate yellowish brown (10 YR 5/4) to moderate brown (5 YR 4/4) mottles and swirls.

- Mud filling shaft pin hole.
- Surface broken, corer probably pulled over on side during/after penetration.

**NOTE: s/s subcore shows distinct boundary at 8 cm that corresponds with 14 cm boundary on slab. Very soft clay silt above stiffer mottled clay silt.

CORE ID: F5-87-B3

WATER DEPTH: 4440 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

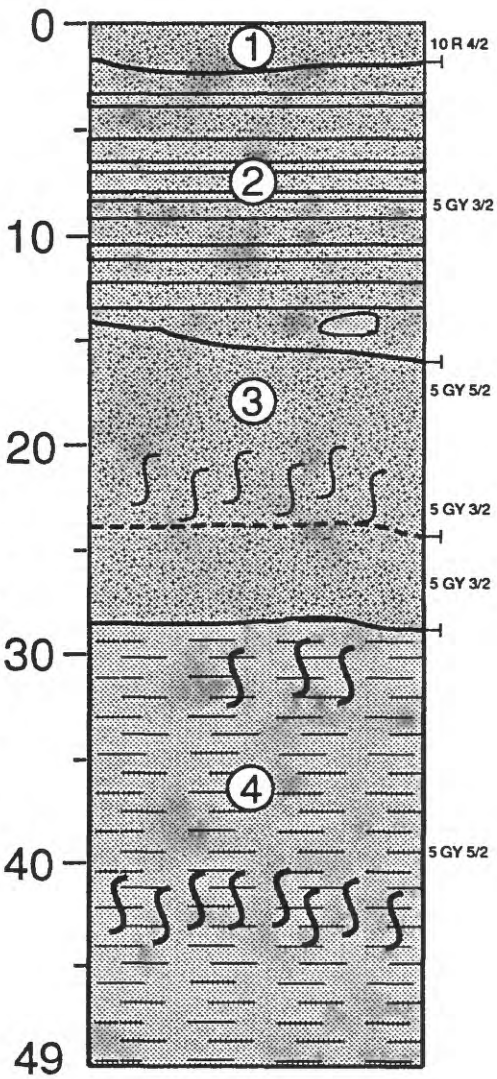
1. CLAY SILT, dark yellowish-brown (10 YR 4/2), with 0.5 mm layers of moderate brown (5 YR 3/4), some mottling and burrowing of moderate brown within the dark yellowish brown. Contact with underlying unit relatively sharp.

2. SAND to SILTY CLAY SAND, grayish olive green (5 GY 3/2), massive, no apparent structures or grading, bottom contact sharp. Top (8 to 18 cm) has rounded silt clasts, grayish olive (10 Y 4/2), some broken, others intact, and one pebble.

3. SILT, grayish olive (10 Y 4/2), structureless, may be a smear covering sand.

CORE ID: F5-87-B4

WATER DEPTH: 4445 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS
Deformed

slab shortened while collecting

1. CLAY SILT, grayish red (10 R 4/2), bottom contact gradational, structureless, soupy.

2. CLAY SILT and SANDY SILT, interbedded, grayish olive green (5 GY 3/2), interbeds ~2 mm thick.

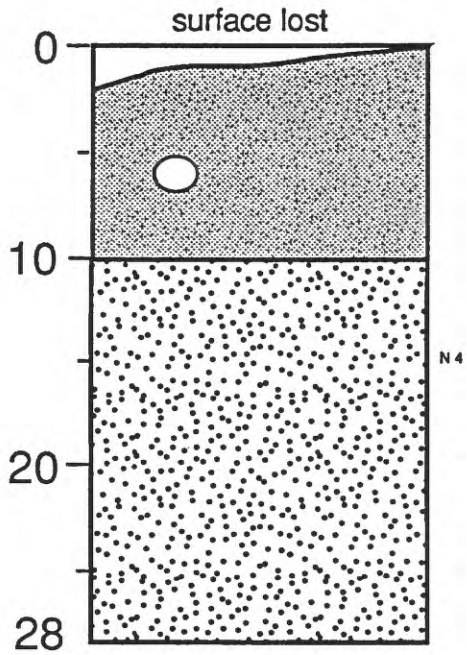
3. SANDY SILT to SILTY CLAY, turbidite?, grayish olive green (5 GY 3/2) at base grading to dusky yellowish green (5 GY 5/2) in clay. Sandy silt varies from fine to medium on 1 mm scale. Laminated, with gradational burrowed top up into structureless clay. Sharp base.

4. SILTY CLAY, dusky yellowish green (5 GY 5/2), structureless, burrowed throughout.

Figure 5 continued.

CORE ID: F5-87-B6

WATER DEPTH: 4440 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

0 - 2 cm -- washed mud layer with abundant organic fragments

2 - 28 cm -- SANDY SILT, SILTY SAND to SAND, massive, medium dark gray (N 4).
- some hints of horizontal bedding at base
- occasional shell fragments
- 2 cm diameter pebble at 6 cm

fine sand drained from base plate

slab shortened ~2 cm during slabbing

Additional samples:

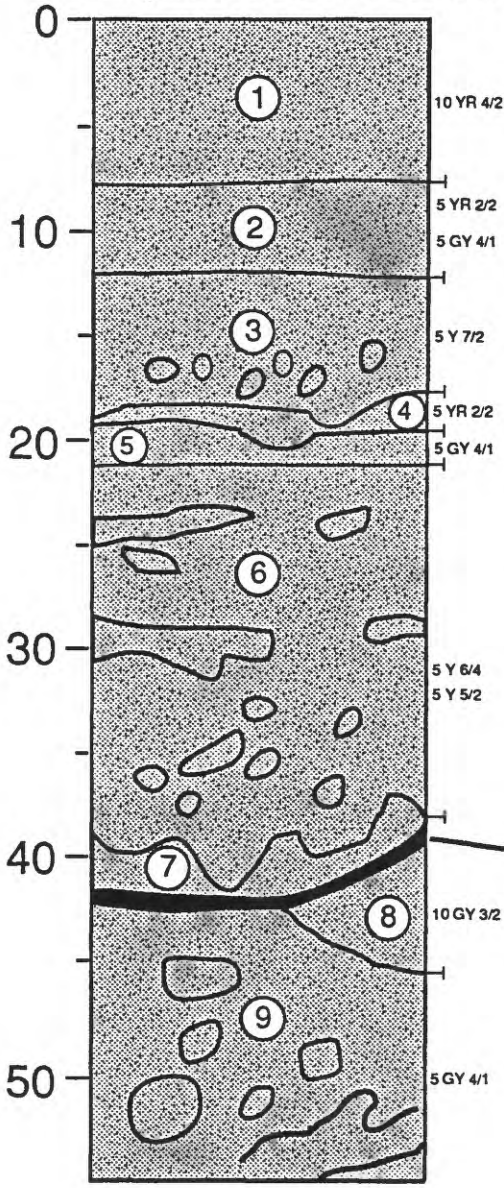
- washed deck sample with pebbles
- bulk sample of oxidized layer scraped from outside of corer
- wood fragments at surface of sand layer may be contaminated with PAM

Organics in the total washed sample give an AMS ^{14}C date of 10790 ± 160 yr B.P.

CORE ID: F5-87-B7

WATER DEPTH: 4435 **m (corrected)**

Many "tube-like" animals? on surface.



DEPTH IN CORE IN CENTIMETERS

1. SANDY CLAY SILT, uniform dark yellowish brown (10 YR 4/2), rough surface with agglutinated "tubes".
2. SANDY SILT, dusky brown (5 YR 2/2) and dark greenish grey (5 GY 4/1) bands, indurated "crust" near top.
3. SILT, yellowish gray (5 Y 7/2) matrix, debris flow?, mud clasts.
4. SILT?, banded, dusky brown (5 YR 2/2) and greenish gray (5 GY 6/1).
5. SILT?, dark greenish gray (5 GY 4/1), fine-grained.
6. CLAY SILT, with mud clasts, light olive gray (5 Y 5/2) and dusky yellow (5 Y 6/4), debris flow?
7. SILT?, grayish brown (5 YR 3/2), fine-grained with "crust" at base.
8. Large tough clast, SILT?, dusky yellowish green (10 GY 3/2).
9. SANDY CLAY SILT to CLAY SILT, dark greenish gray (5 GY 4/1), debris flow?, round to elongate mud clasts and plant material.

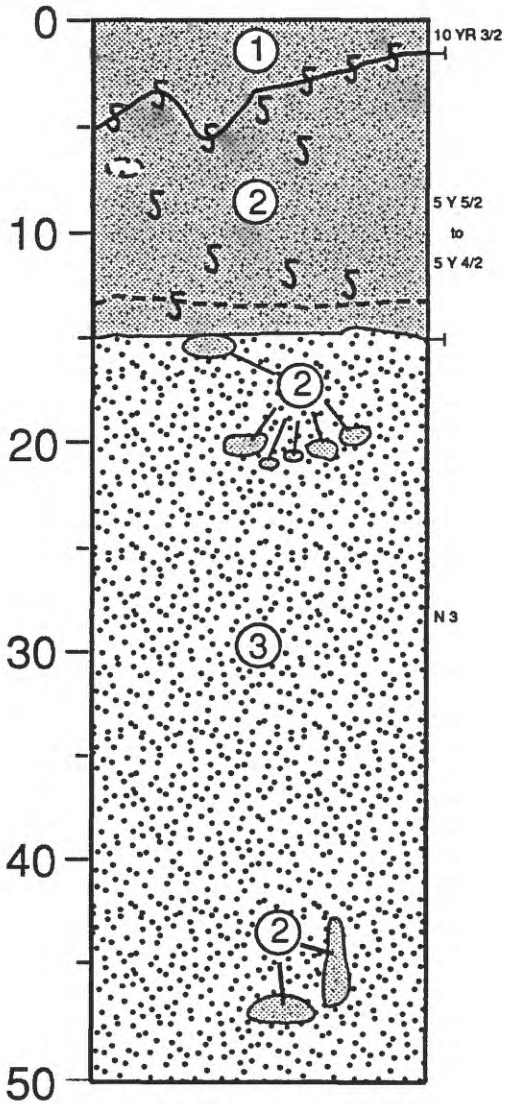
Organics within the hard layer give an AMS ^{14}C date of 15270 ± 200 yr B.P.

NOTE: Slab shortened 11 cm during slabbing process.

Figure 5 continued.

CORE ID: F5-87-B8

WATER DEPTH: 4435 **m (corrected)**



1. CLAY SILT, dark yellowish brown (10 YR 3/2), structureless, burrowed bottom contact.

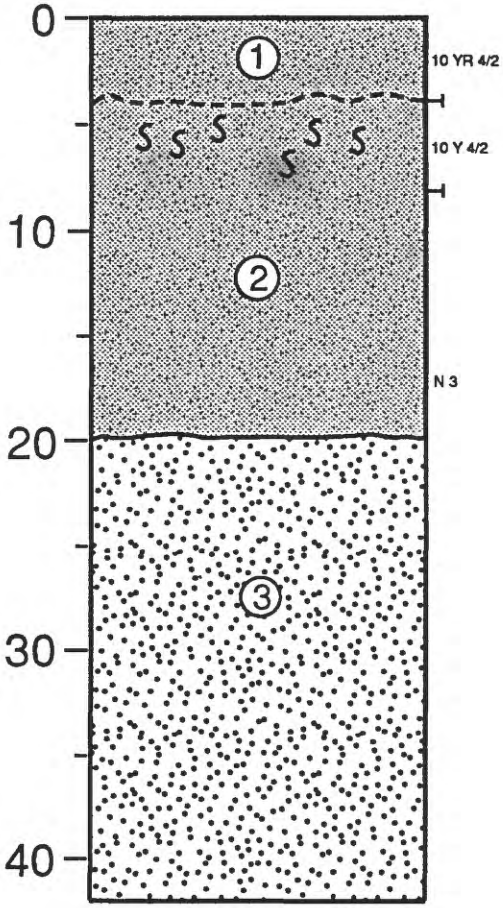
2. SANDY CLAY SILT, light olive gray (5 Y 5/2), structureless, bioturbated, pods of sand. Grades to olive gray (5 Y 4/2) at 13 cm. Sharp bottom contact with underlying sand.

3. SILTY SAND to SAND, dark gray (N 3), with micas, structureless, silt chips of unit 2 at 22 cm, well-rounded, burrow? filled with unit 2 at 44-46 cm.

Figure 5 continued.

CORE ID: F5-87-B9

WATER DEPTH: 4430 **m (corrected)**



1. CLAY SILT, dark yellowish brown (10 YR 4/2), soupy, homogeneous. Contact with unit 2 not visible.

2. CLAY SILT (?), grayish olive (10 Y 4/2), bioturbated, structureless, sharp contact with underlying sand.

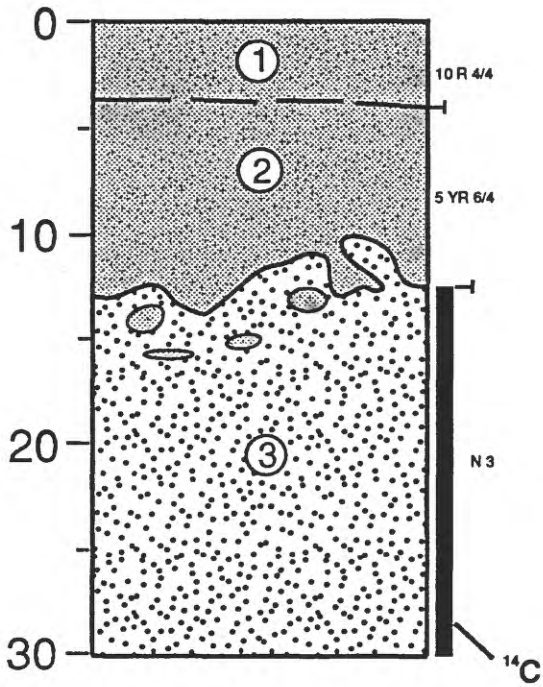
3. Grades from CLAY SILT to SANDY CLAY SILT to SAND with depth, dark gray (N 3), structureless, polymineralic micas.

NOTE: Back of slab (between tray and sediment) is contaminated with surface sediment.

Figure 5 continued.

CORE ID: F5-87-B10

WATER DEPTH: 4440 **m (corrected)**



1. CLAY SILT, reddish brown (10 R 4/4), structureless, watery.

2. SANDY SILT, light brown (5 YR 6/4), mottled, intercalated, very irregular lower surface.

3. SILTY SAND to SAND, dark gray (N 3), fine-grained, some bedding, lenses of medium-sand. Burrows (occasional) filled with clay and abundant flat clay "rip-up" clasts (?).

Note: Sediment was oozing out of base during recovery and subsampling.

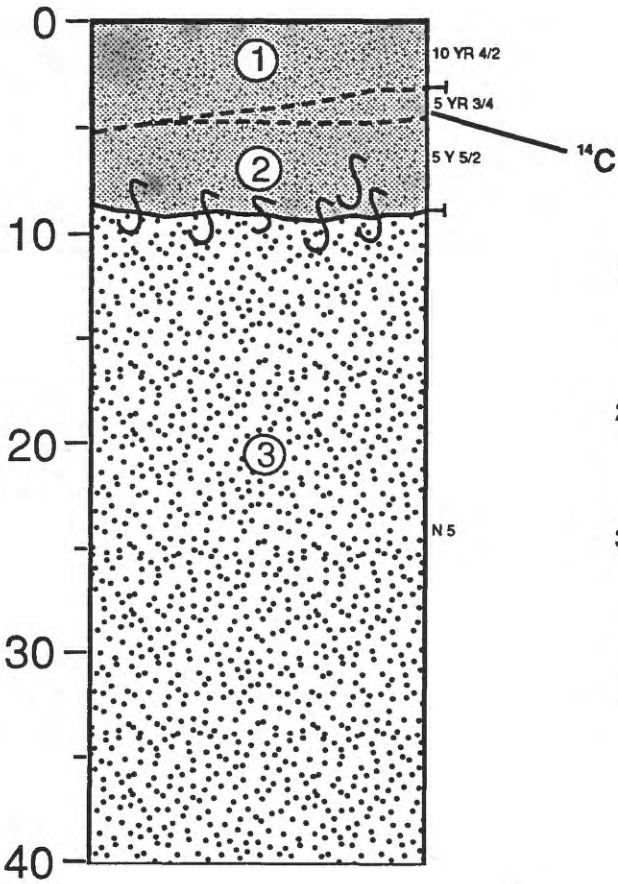
Sticks, twigs and pebbles in wash sample.

Organics in the washed bulk sample give an AMS ^{14}C date of 6510 ± 125 yr B.P.

Figure 5 continued.

CORE ID: F5-87-B11

WATER DEPTH: 4433 **m (corrected)**



1. SANDY CLAY SILT, dark yellowish brown (10 YR 4/2), homogenous, soupy with layer of moderate brown (5 YR 3/4) at 4 cm, relatively sharp bottom contact.

2. SANDY CLAY SILT, light olive gray (5 Y 5/2), bioturbated lower contact with underlying sand.

3. Grades from SILTY SAND to SAND with depth, medium gray (N 5), structureless, polymineralic, micaceous.

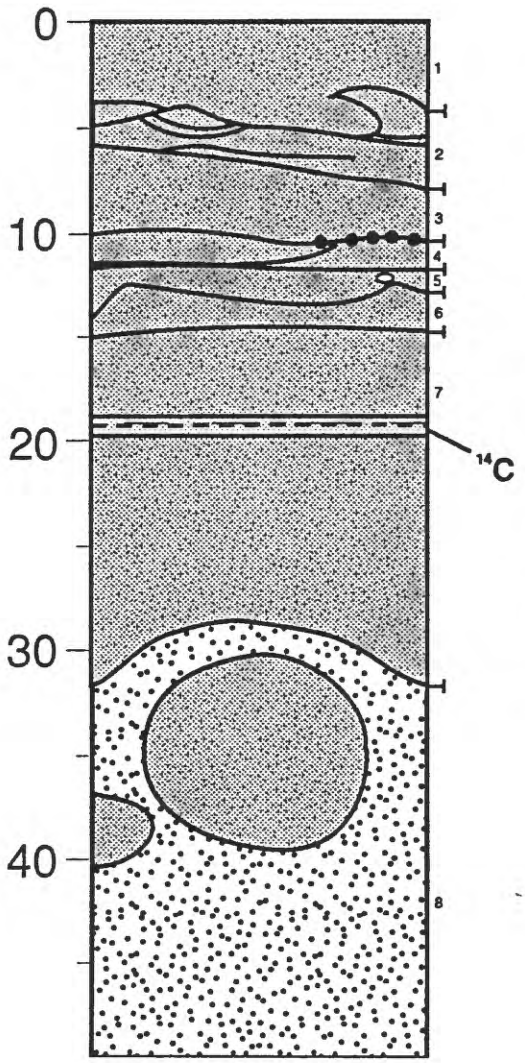
Organics at 5-8 cm give an AMS ^{14}C date of 17670 ± 205 yr B.P.

Figure 5 continued.

CORE ID: F1-88-B21

WATER DEPTH: 3562 **m (corrected)**

DEPTH IN CORE IN CENTIMETERS



1. SANDY CLAY SILT, dark yellowish brown (10 YR 4/2) to moderate brown (5 YR 3/4).
2. SILT?, moderate brown (5 YR 3/4) to dusky brown (5 YR 2/2), micaceous with cross bedded turbidite sequence. Contact with unit 1 is gradational; contact with unit 3 is sharp.
3. SILT?, pale brown (5 YR 5/2), with burrowed horizons surrounds lens-shaped unit 4. Lower contact gradational with unit 5.
4. CLAY SILT, moderate brown (5 YR 3/4) to dusky brown (5 YR 2/2).
5. CLAY SILT, dark yellowish brown (10 YR 4/2) with gradational contact to unit 3. Lower contact shows scour or loading into unit 6. One open burrow at 14 cm., contact with unit 6 sharp.
6. CLAY SILT, dark yellowish brown (10 YR 4/2) to moderate brown (5 YR 3/4), similar to unit 1, burrow mottled. Sharp lower contact.
7. SILT with SILTY CLAY, grayish olive (10 Y 4/2) with heavy burrow mottling from 16 cm. to 28 cm. (chondrites-like 1 cm. diameter burrows).
8. SAND, olive gray (5 Y 3/2) with grayish olive (10 Y 4/2) clasts (to 13 cm dia.) that are rounded.

Organics at 18-20 cm give a Conventional ^{14}C date of 11530 ± 80 yr B.P.

NOTE: A. Sands at bottom seem to be dewatering during placement of subcores.

B. Special wood horizon - bulk split taken 18-20 cm.

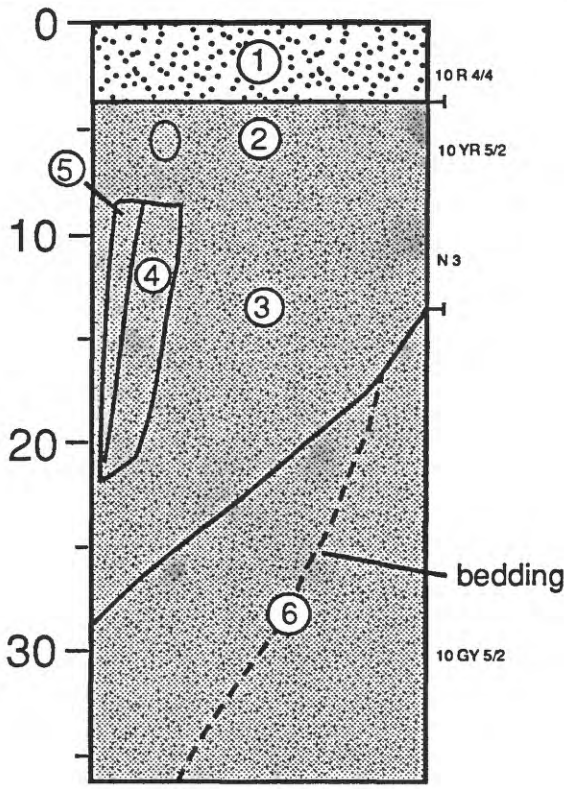
C. Rounded mud clast (11 cm. dia.) taken ~42 cm.

D. Two small whirl-paks of coarse fragments were taken, washed and sieved.

Figure 5 continued.

CORE ID: F1-88-B22

WATER DEPTH: 4441 **m (corrected)**



1. SILTY CLAY SAND, reddish brown (10 R 4/4), structureless, watery.
2. SANDY CLAY SILT, yellowish brown (10 YR 5/2) faintly laminated , high mica content, some burrows.
3. SANDY SILT, dark gray (N 3), no macroscopic bedding, high mica content.
4. CLAY SILT?, grayish green (10 GY 5/2), probable rip-up clast. Right side is down side? with sharp but slightly irregular base. Upper surface of 4 is capped by slightly darker mud (5).
6. SANDY CLAY SILT, grayish green (10 GY 5/2), this unit is stiff, overconsolidated, with faint bedding sub-parallel to upper surface (bioturbated just below bedding surface). May be eroded unit or transported clast. Overconsolidation is on the order of 4 meters.

Note: Slabs have had upper 1-2 cm removed to baggie, so slab fits on one tray.

Slab 1 - foreshortening of 5 cm.
Slab 2 - foreshortening of 5 cm.

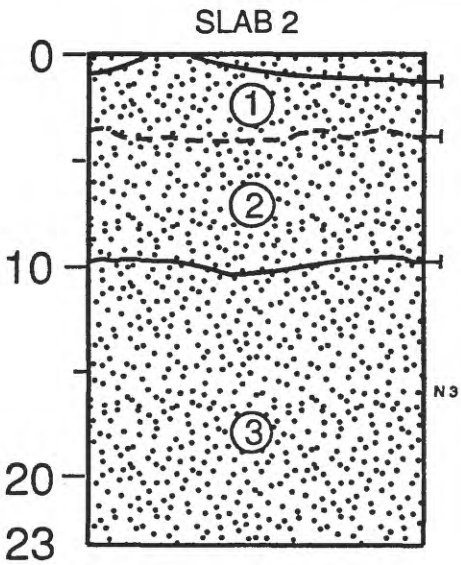
7" of clear freestanding supernatant.

Bulk wash organics give an AMS ^{14}C date of 15590 ± 130 yr B.P.

Figure 5 continued.

CORE ID: F1-88-B24

WATER DEPTH: 4364 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

1. SILTY CLAY SAND, 0-3 cm, surface unit, burrow, note that typical red brown surface is ABSENT.

2. SILTY CLAY SAND, 3-10 cm, variegated, lower contact sharp but irregular and curved.

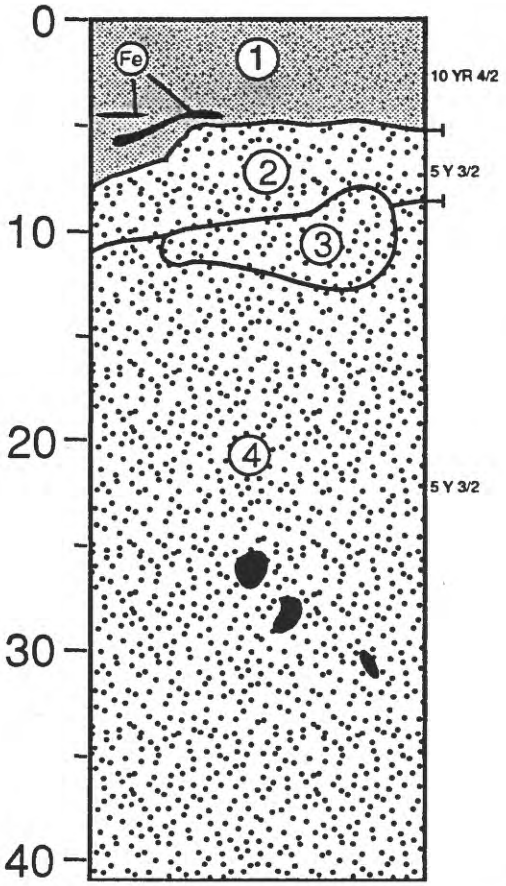
3. SILTY CLAY SAND to SILTY SAND, dark gray (N 3), uniform, megascopically structureless well-sorted, immature, quartz sand. Micaceous. No evidence of shells.

NOTE: Core may be disturbed. Two back to back slabs had surface muds in thickness of 10 cm (this core slab 2) to 2-4 cm (other slab - #1) which may indicate flowage out of the bottom and infilling with mud.

Figure 5 continued.

CORE ID: F1-88-B25

WATER DEPTH: 4377 **m (corrected)**



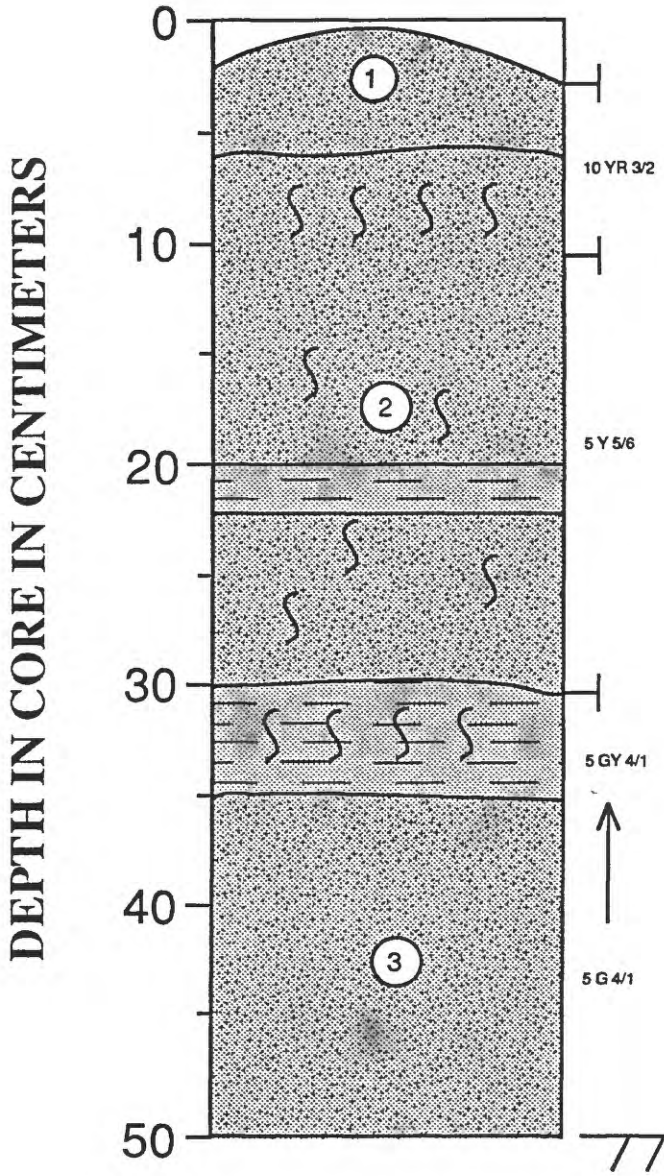
DEPTH IN CORE IN CENTIMETERS

1. SANDY SILT, dark yellowish brown (10 YR 4/2), Fe_2O_3 bands at 6 cm., massive, sharp bottom contact.
2. SILTY SAND, olive gray (5 Y 3/2), massive, sharp bottom contact.
3. SILTY SAND? clast, light olive gray (5 Y 5/2), well-rounded, relatively soft.
4. SAND, olive gray (5 Y 3/2), massive, pebbles at 27, 29, and 31 cm., micaceous.

Figure 5 continued.

CORE ID: F3-89-B30

WATER DEPTH: 4496 **m (corrected)**



1. 1-6 cm, CLAY SILT, dark yellowish brown (10 YR 3/2), oxidized top of section, homogeneous. Sharp lower contact with some bioturbation of this unit into underlying unit.

2. 6-30 cm, CLAY SILT to SILTY CLAY, light olive brown (5 Y 5/6), intense burrow mottling of Planolites with dark brown from overlying unit 1 to about 10 cm. 10-30 cm dominant color is 5Y5/6 with slightly darker burrow mottles.

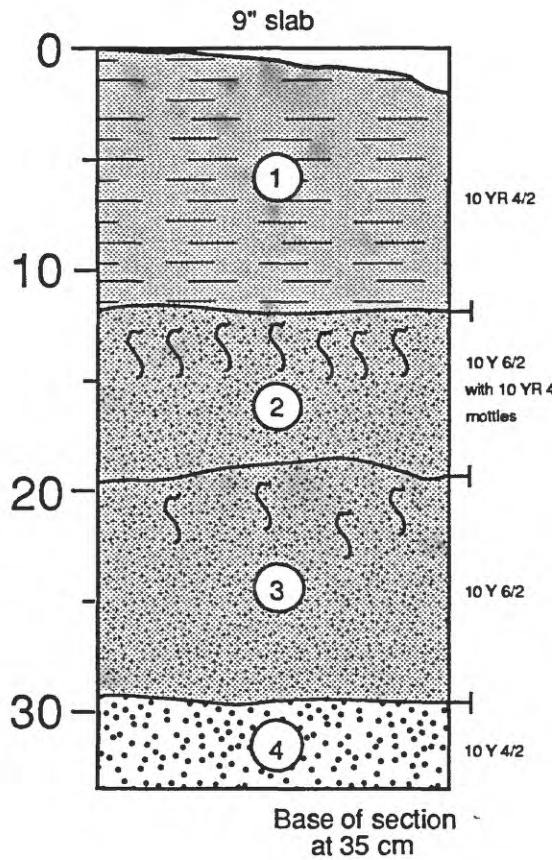
3. 30-50 cm, CLAY SILT to SILTY CLAY, dark greenish gray (5 G 4/1). Intensively burrow mottled with color of underlying material. 35-50 cm more homogeneous with some burrow mottling.

All contacts are fairly sharp except for bioturbated top of units as indicated.

Figure 5 continued.

CORE ID: F3-89-B31

WATER DEPTH: 4495 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

1. CLAY, dark yellowish brown (10 YR 4/2), homogeneous, soupy.

2. CLAY SILT, pale olive (10 Y 6/2) with burrow mottles of dark yellowish brown (10 YR 4/2). Highly bioturbated (Planolites). Burrow density increases downward.

3. CLAY SILT to SANDY CLAY SILT, pale olive (10 Y 6/2) with slightly lighter burrow mottles, highly bioturbated at top, fairly homogeneous at bottom.

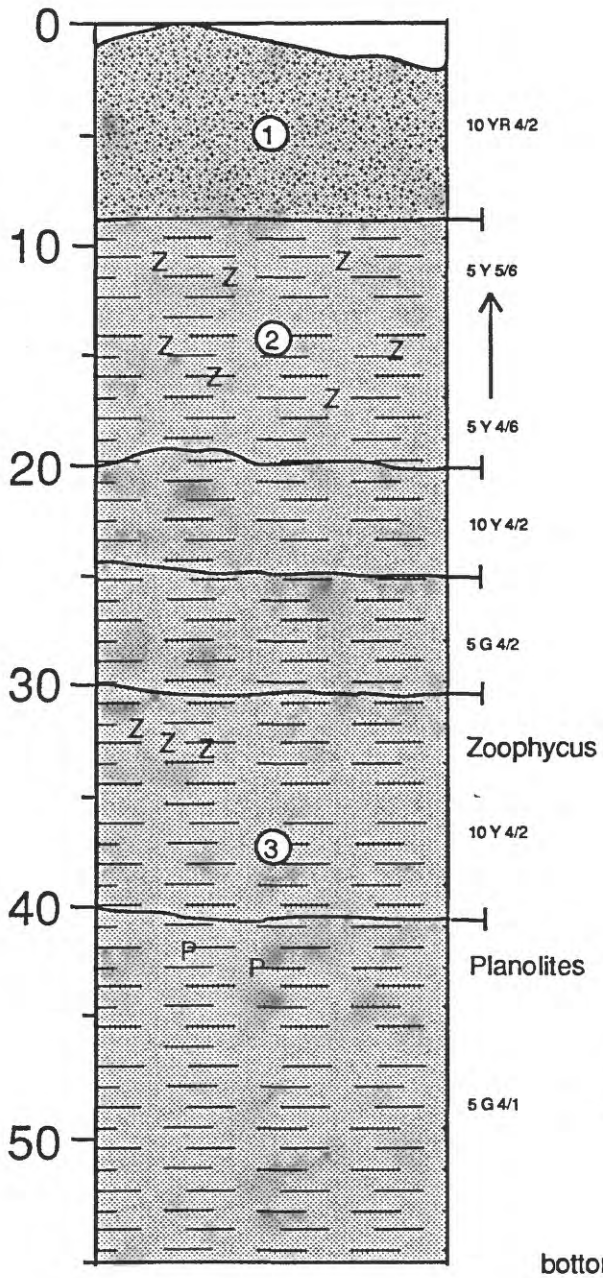
4. SAND, grayish olive (10 Y 4/2).

All contacts are gradational, often with lenses of the overlying unit along the contact.

Figure 5 continued.

CORE ID: F3-89-B33

WATER DEPTH: 4496 **m (corrected)**



Slab disturbed on extraction, some features slightly better defined on 5" slab

1. CLAY SILT, dark yellowish brown (10 YR 4/2), homogeneous, soupy.
2. SILTY CLAY, medium olive brown (5 Y 4/6) grading to light olive brown (5 Y 5/6), highly bioturbated with Planolites, especially at top.
3. SILTY CLAY, interlayered units of grayish olive (10 Y 4/2) and dark greenish gray (5 G 4/1), slightly bioturbated with Planolites and Zoophycus (?).

Contacts fairly sharp in spite of bioturbation.

NOTE: TX samples are relative measurements because of the slab shortening.

bottom of slab at 55 cm

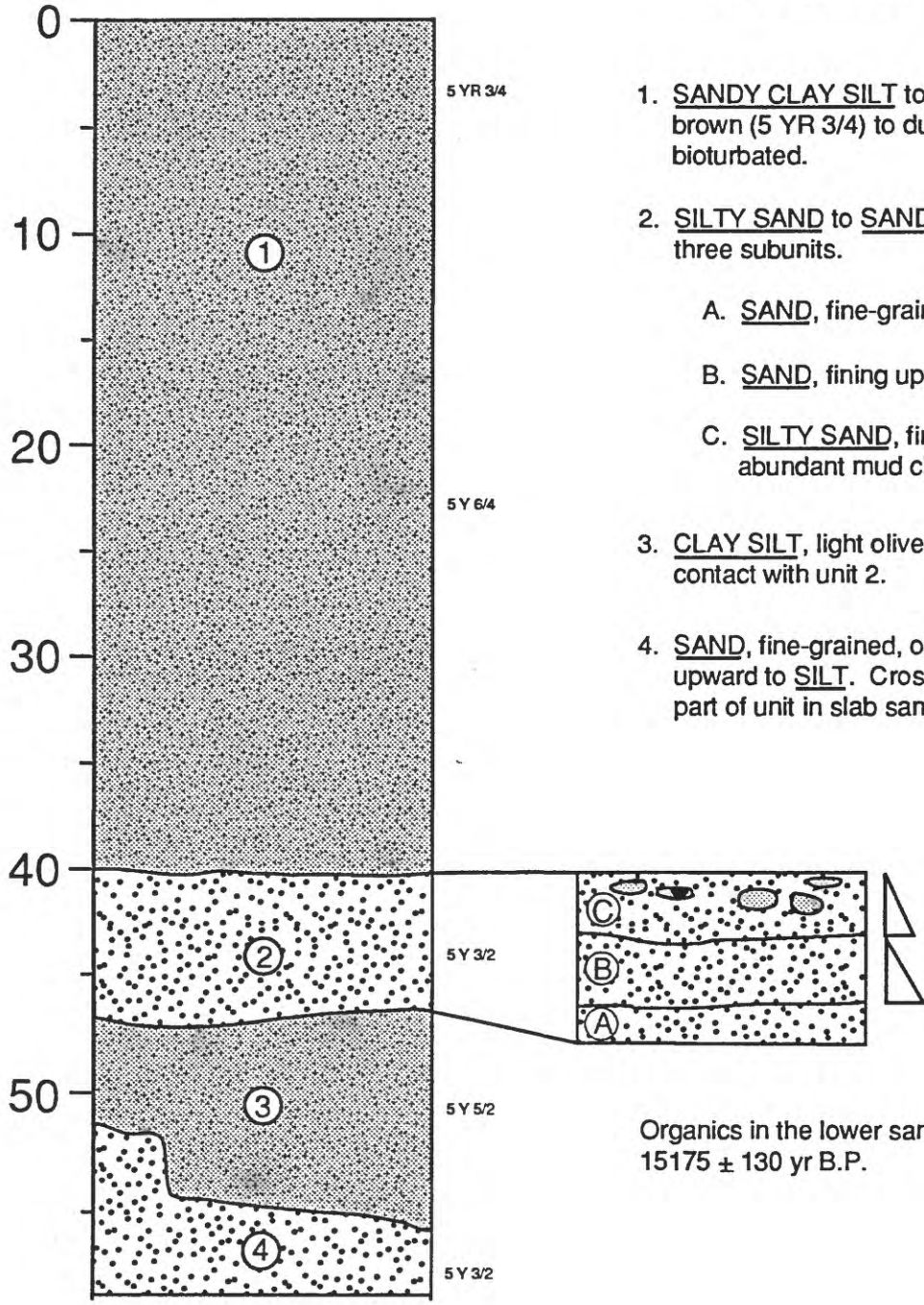
slab shortened 10 cm from corer

Figure 5 continued.

CORE ID: F3-89-B34

WATER DEPTH: 4331 **m (corrected)**

DESCRIPTION OF STRAT/SED CORE
NO WHOLE SLAB RECOVERED



1. SANDY CLAY SILT to CLAY SILT, moderate brown (5 YR 3/4) to dusky yellow (5 Y 6/4), heavily bioturbated.

2. SILTY SAND to SAND, olive gray (5 Y 3/2), with three subunits.

   A. SAND, fine-grained, no obvious grading.

   B. SAND, fining upward to SILTY SAND.

   C. SILTY SAND, fining upward to SILT with abundant mud clasts.

3. CLAY SILT, light olive gray (5 Y 5/2). Sharp upper contact with unit 2.

4. SAND, fine-grained, olive gray (5 Y 3/2), fining upward to SILT. Cross-bedding seen in upper part of unit in slab sample.

Organics in the lower sand give and AMS ^{14}C date of 15175 ± 130 yr B.P.

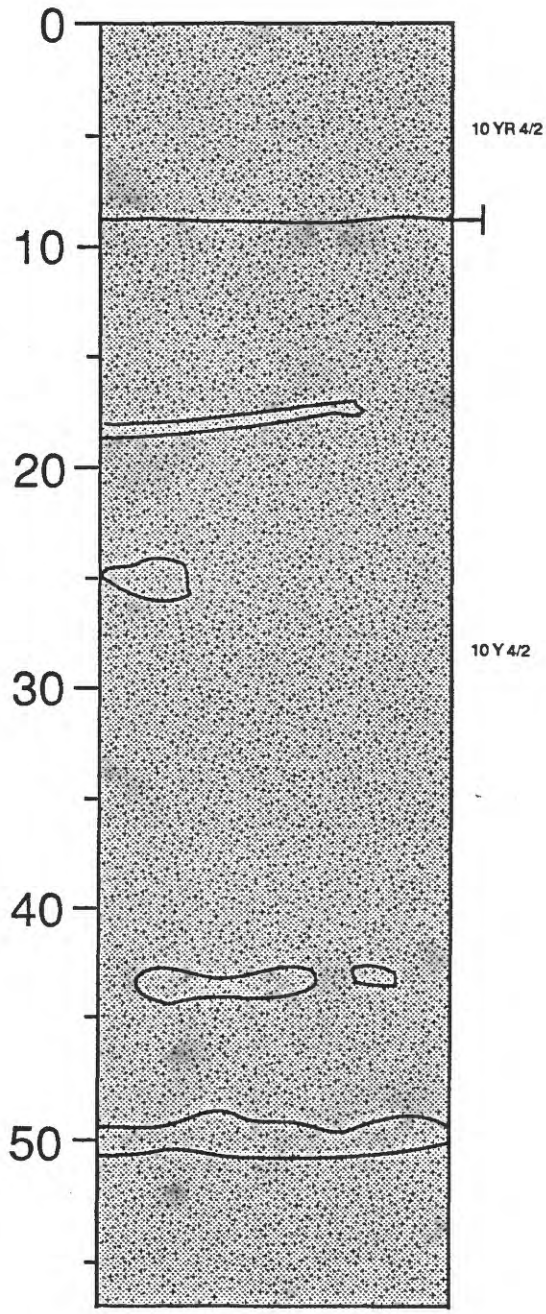
Figure 5 continued.

CORE ID: F3-89-B35

WATER DEPTH: 4284 **m (corrected)**

DESCRIPTION FROM 5" SLAB

NO 9" SLAB TAKEN



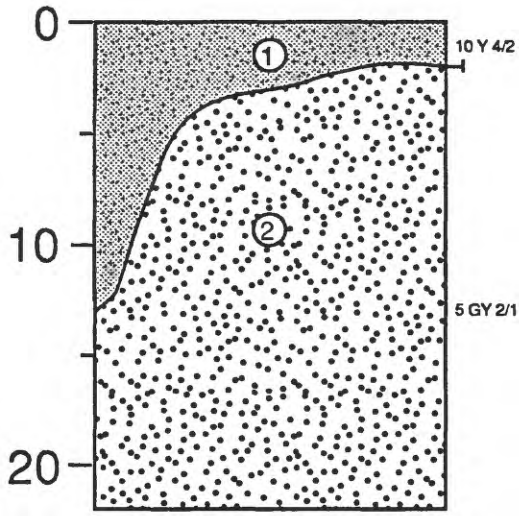
CLAY SILT to SANDY SILT, dark yellowish brown (10 YR 4/2) to grayish olive (10 Y 4/2), oxidized, partly burrowed, highly bioturbated.

Figure 5 continued.

CORE ID: F3-89-B36

WATER DEPTH: 3921 **m (corrected)**

Description from s/s core



1. CLAY SILT, grayish olive (10 Y 4/2), considerable disturbance of surface clay layer when box core was opened. An unknown amount washed out of the box.

2. SAND, fine-grained, greenish black (5 GY 2/1), numerous floating pebbles of various colors (lithologies?) scattered throughout.

22 cm = base of section

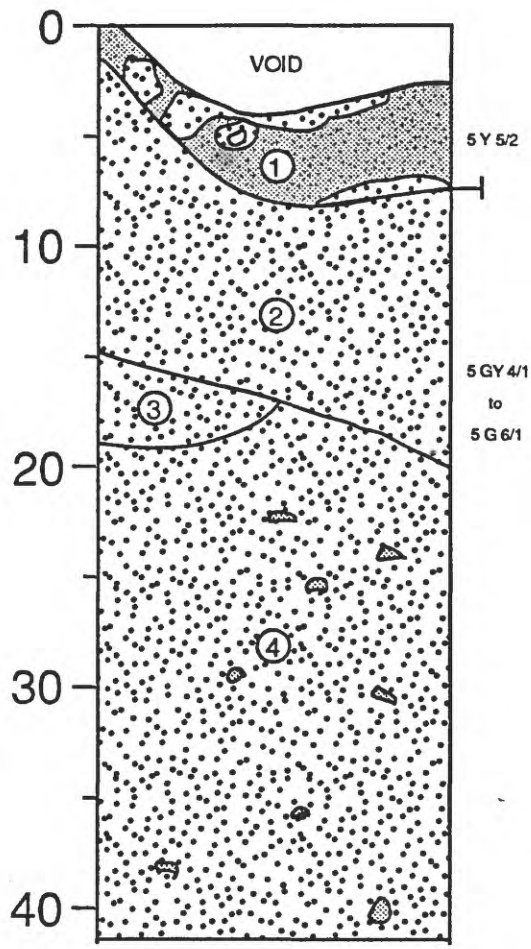
DEPTH IN CORE IN CENTIMETERS

Figure 5 continued.

CORE ID: F3-89-B37

WATER DEPTH: 3820 **m (corrected)**

Collected two 9" slabs parallel to one another



DEPTH IN CORE IN CENTIMETERS

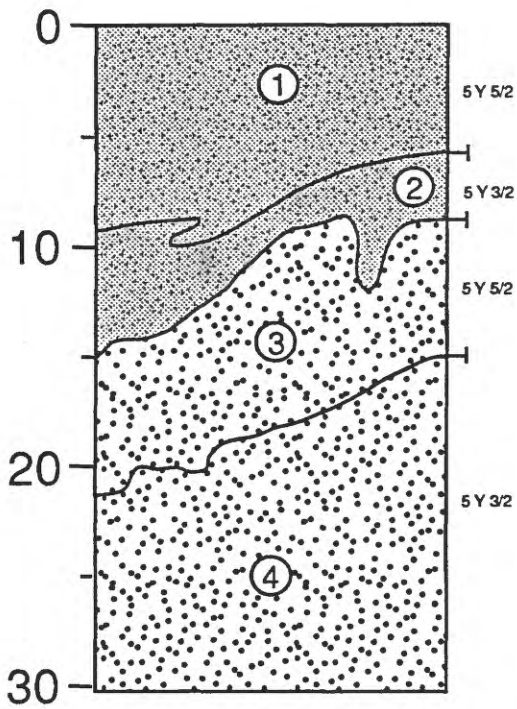
1. SANDY SILT, light olive gray (5 Y 5/2) with SAND patches.
2. SAND, medium-grained, color banded dark greenish gray (5 G Y4/1) to greenish gray (5 G 6/1), sharp basal contact, and irregular upper contact.
3. SAND, coarse-grained?, ungraded.
4. SAND, medium-grained, parallel laminated, ungraded with cm-sized pebbles and shell debris.

Figure 5 continued.

CORE ID: F3-89-B38

WATER DEPTH: 3631 **m (corrected)**

DEPTH IN CORE IN CENTIMETERS



Description of S/S core

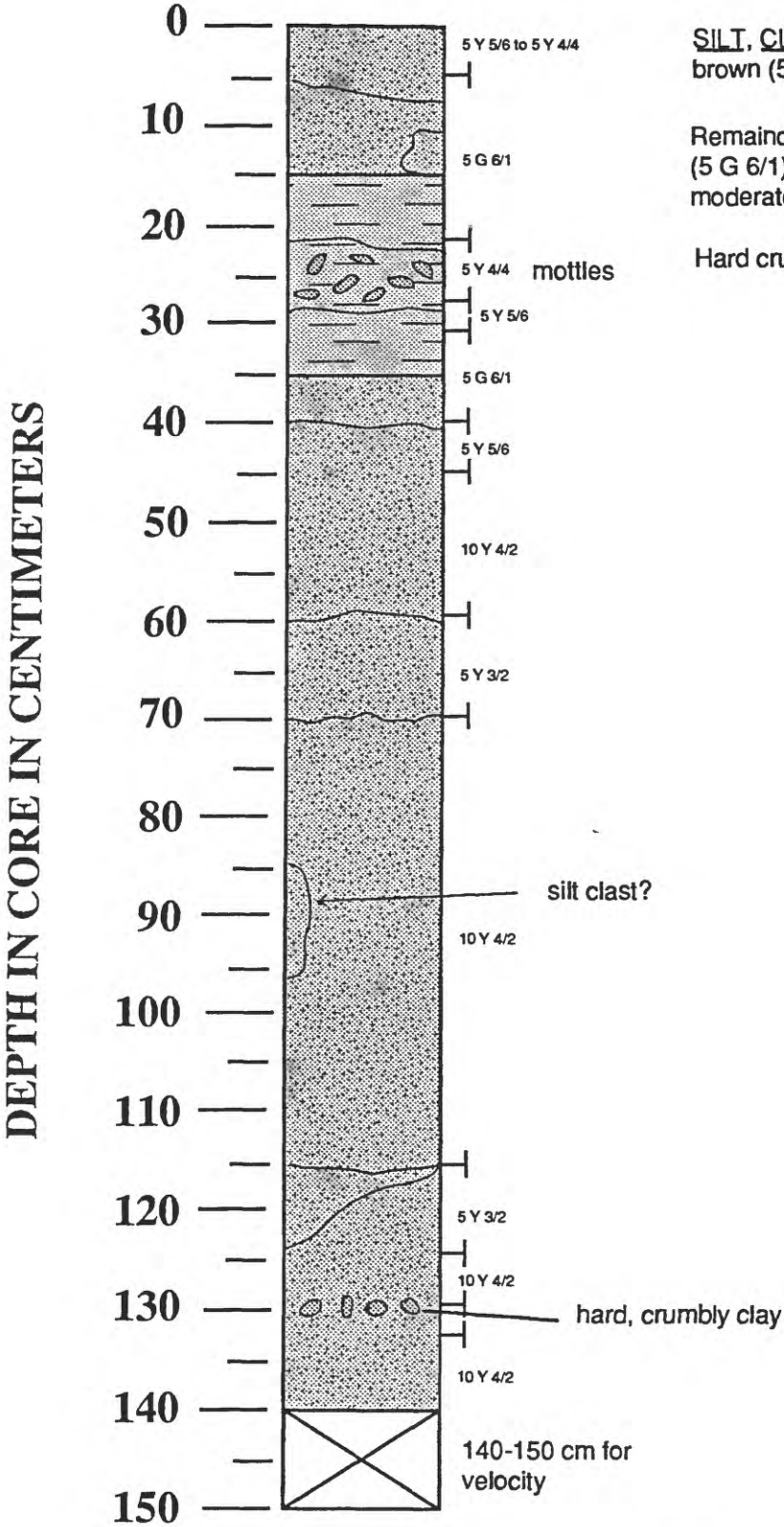
1. CLAY SILT to SILT, light olive gray (5 Y 5/2), homogeneous, soupy.
2. CLAY SILT, olive gray (5 Y 3/2).
3. SAND, fine-grained, light olive gray (5 Y 5/2).
4. SAND, fine-grained, olive gray (5 Y 3/2), no visible structures.

Core disturbed during recovery

Figure 5 continued.

CORE ID: F3-89-P30-1

WATER DEPTH: 4396 **m (corrected)**



SILT, CLAY SILT, to SILTY CLAY, top 5 cm is light olive brown (5 Y 5/6) to moderate olive brown (5 Y 4/4), mottled.

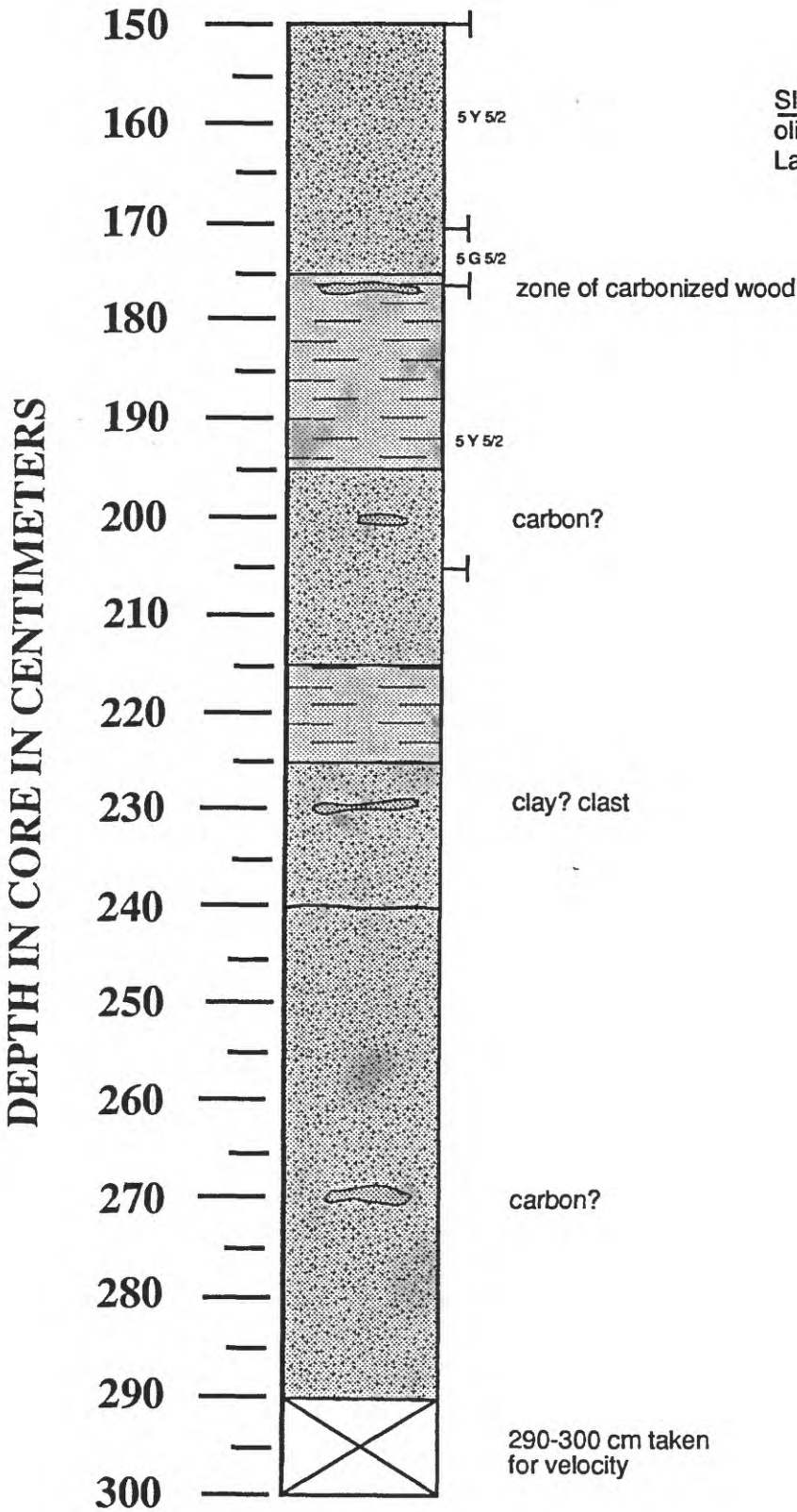
Remainder of core is various shades of greenish gray (5 G 6/1), olive gray (5 Y 3/2), light olive brown (5 Y 5/6), moderate olive brown (5 Y 4/4) to grayish olive (10 Y 4/2).

Hard crumbly section at 130-133 cm

Figure 5 continued.

CORE ID: F3-89-P30-2

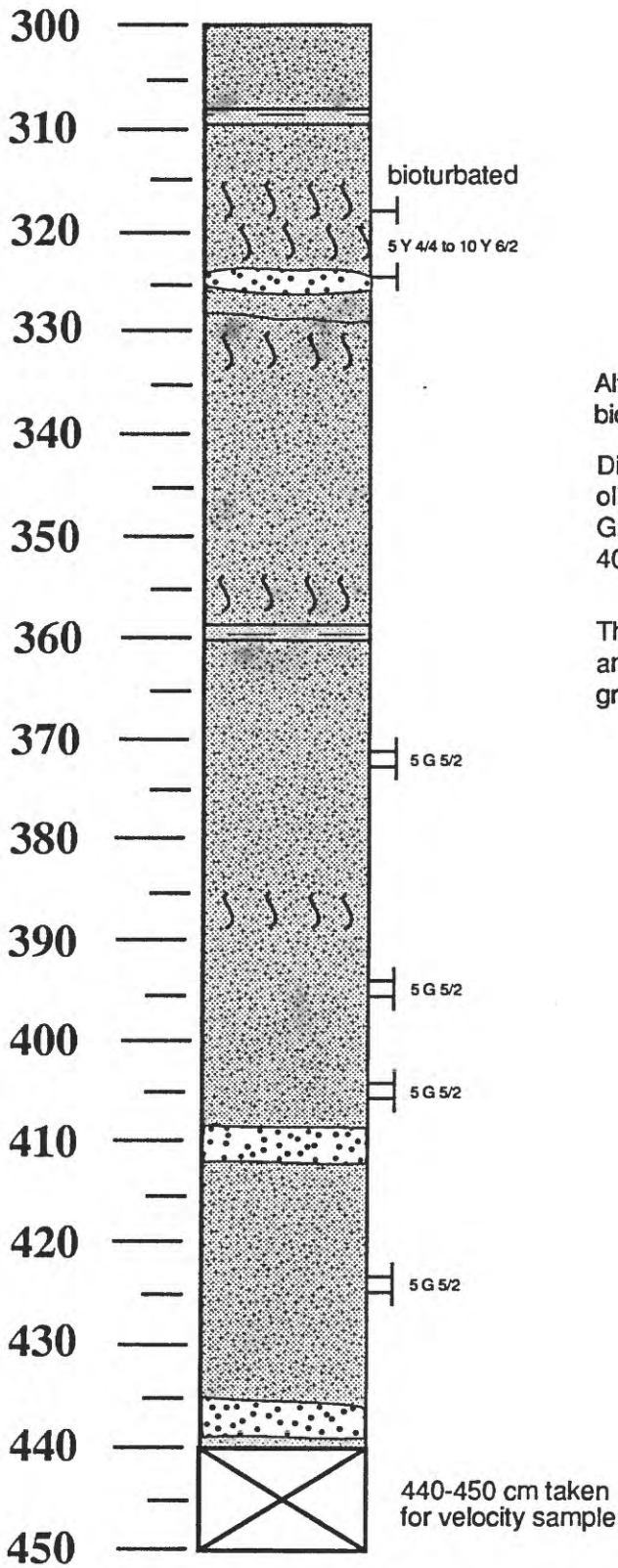
WATER DEPTH: 4396 **m (corrected)**



SILT, CLAY SILT, TO SILTY CLAY, mottled, light olive gray (5 Y 5/2) to grayish green (5 G 5/2). Layers of carbon scattered in several zones.

CORE ID: F3-89-P30-3

WATER DEPTH: 4396 **m (corrected)**



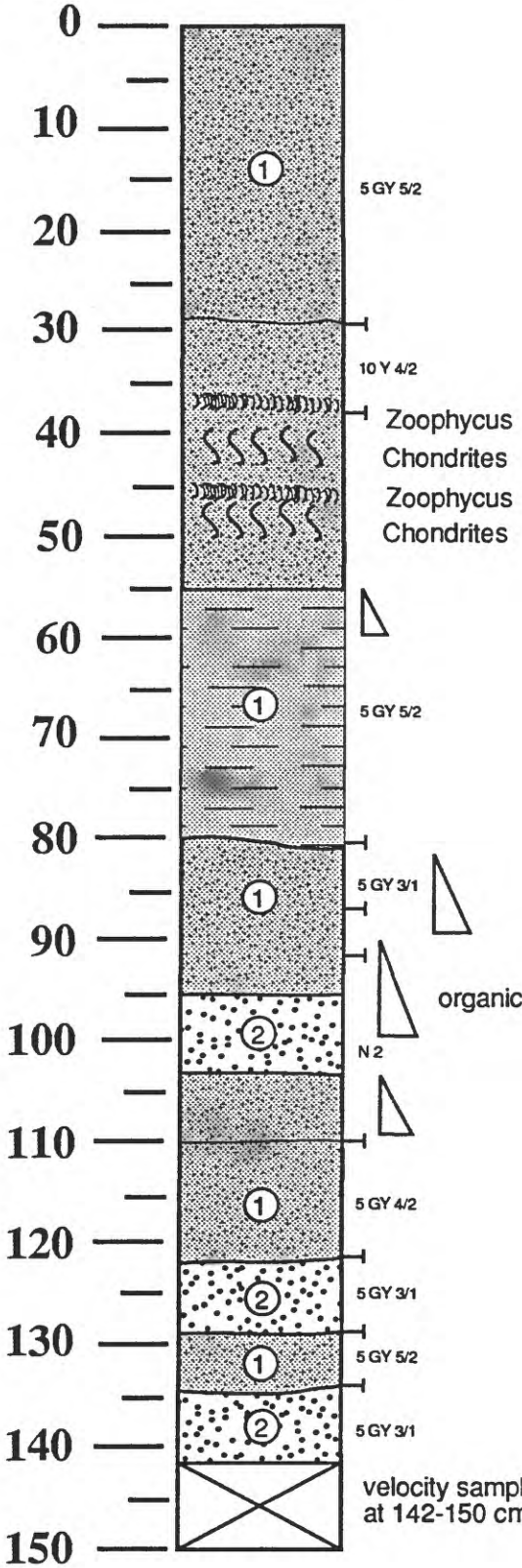
Alternating CLAY SILTS and SILTY CLAYS with bioturbated units and color banding or laminae.

Distinctive color mottling at 318-324 cm, moderate olive brown (5 Y 4/4) to pale olive (10 Y 6/2). Grayish green (5 G 5/2) color banding at 372, 394, 405, and 424 cm.

Three main SILTY SAND (?) units at 324-325, 408-412, and 435-438 cm. Micaceous, only one clearly graded sand but each has sharp base.

CORE ID: F3-89-P31-1

WATER DEPTH: 4452 **m (corrected)**



1. SILT, SANDY CLAY SILT, CLAY SILT, to SILTY CLAY, dusky yellow green (5 GY 5/2) to grayish olive (10 Y 4/2). Bioturbated and burrow mottled with Zoophycus, Chondrites, and large circular burrows. Sharp color boundaries. Thin silt turbidite at 60 cm.

2. SILTY SAND turbidite, various dark colors from light grayish black (5 GY 3/1) to grayish black (N 2). Turbidite at 90 to 102 cm has numerous sticks and organic matter.

   Turbidite at 103 to 110 cm is separated from overlying turbidite by thin clay? layer. Turbidite at 103 to 110 cm has fine laminations, cross-bed.. Turbidite at 81 to 88 cm also has laminations and crossbeds. The other turbidites are generally massive.

Organics at 88-92 cm give a Conventional ^{14}C date of 11840 ± 360 yr B.P.

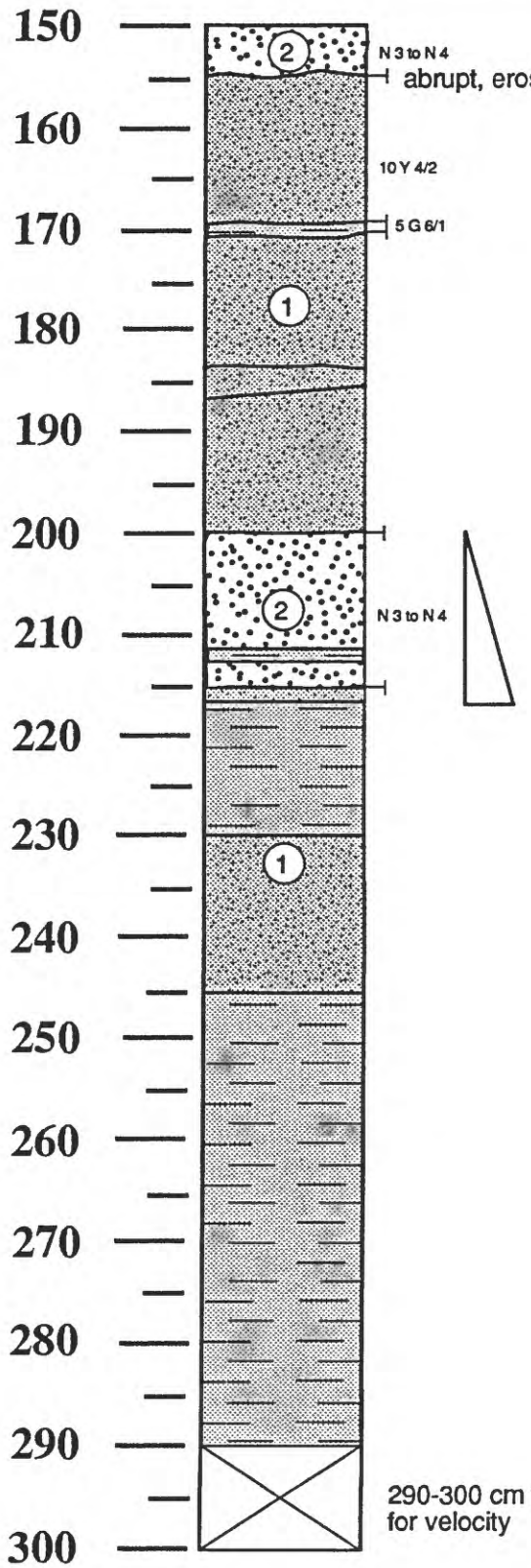
organics: sticks, twigs, etc...

NOTE: Core was difficult to split and ARCHIVE half is better than WORKING half.

Figure 5 continued.

CORE ID: F3-89-P31-2

WATER DEPTH: 4452 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

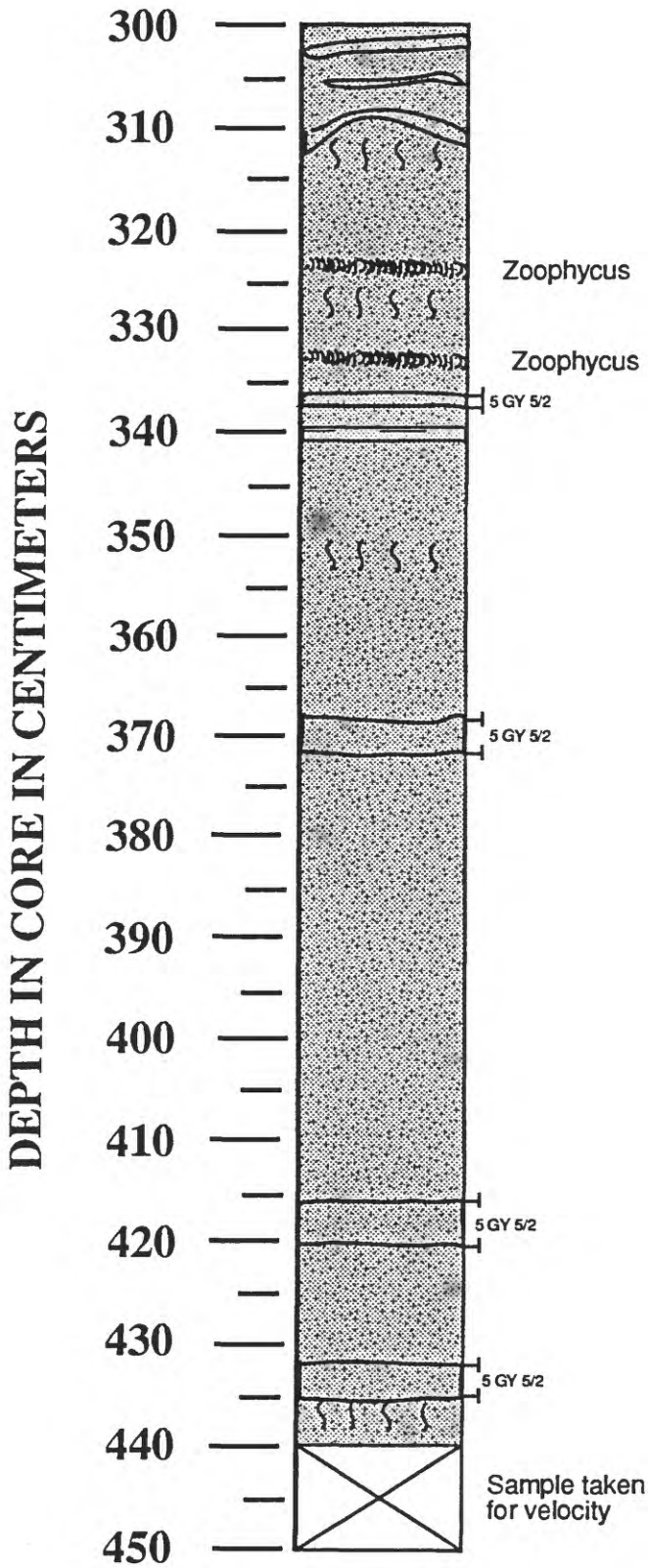
1. SANDY SILT, SILT, CLAY SILT to SILTY CLAY, greenish gray (5 G 6/1) to grayish olive (10 Y 4/2), burrowed and mottled.

2. SILTY SAND to SAND, dark gray (N3) to medium dark gray (N4), no obvious structures other than fining-upward grading.

Figure 5 continued.

CORE ID: F3-89-P31-3

WATER DEPTH: 4452 **m (corrected)**

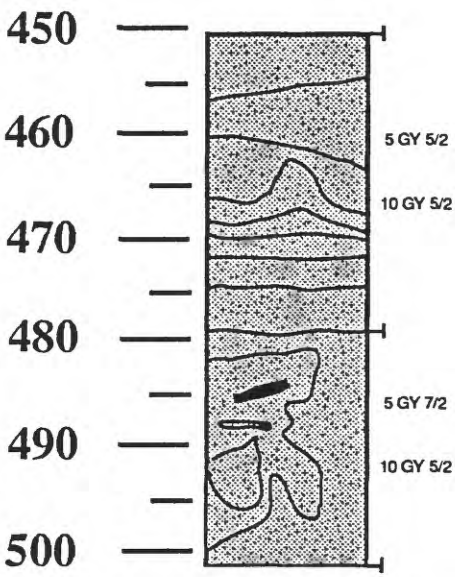


Mostly CLAY SILT with SILTY CLAY layers, bioturbated and color banded with thin fine micaceous SANDY SILT? beds, dusky yellow green (5 GY 5/2).

Strong bioturbation at 312-315, 327-330, 352-354, and 435-440 cm. Zoophycus burrows at 324 and 334 cm.

CORE ID: F3-89-P31-4

WATER DEPTH: 4452 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

450-478 cm: SANDY SILT alternating with CLAY SILT, grayish green (10 GY 5/2) and dusky yellow green (5 GY 5/2). Sandy layers appear flowed by core deformation, bioturbated, contacts are unclear.

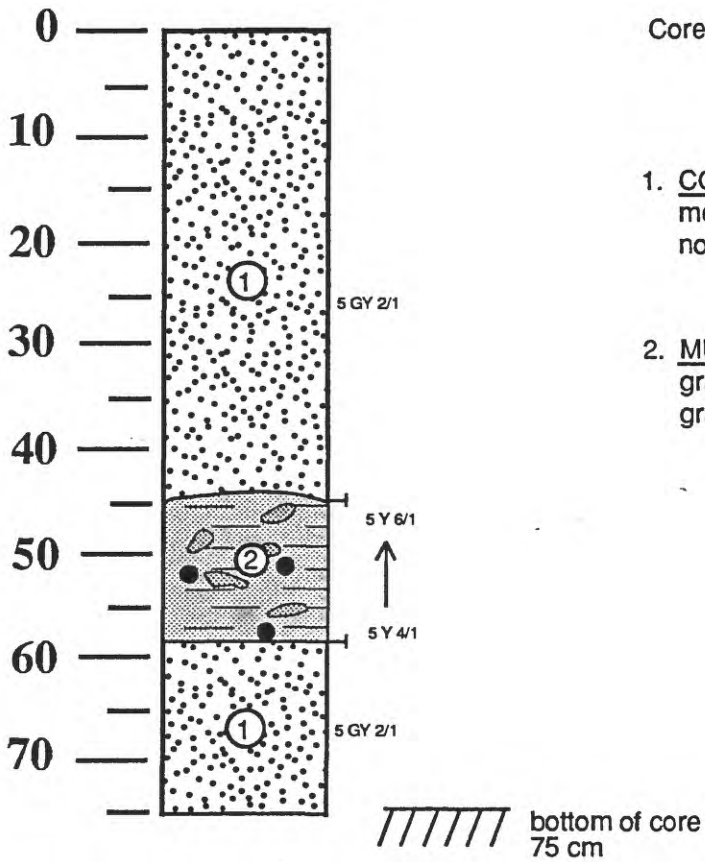
478-501 cm: CLAY SILT and SANDY SILT, flowed and deformed. Clay silt is grayish yellow green (5 GY 7/2) and sandy silt is grayish green (10 GY 5/2). Wood fragments at 485 and 488 cm.

Organics at 490-498 cm give an AMS ^{14}C date of >34430 yr B.P.

Figure 5 continued.

CORE ID: F3-89-P34

WATER DEPTH: 4440 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Core lithology not based on actual grain-size.

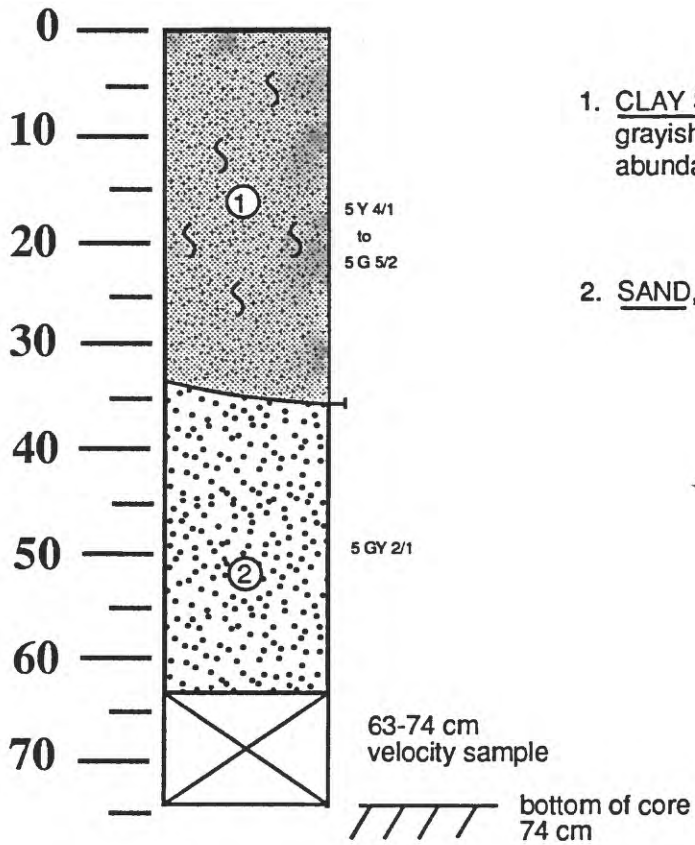
1. COARSE SILT?, FINE SAND?, fine to medium grained, greenish black (5 GY 2/1), no apparent structures.

2. MUD ?, olive gray (5 Y 4/1) to light olive gray (5 Y 6/1), highly bioturbated and color graded.

Figure 5 continued.

CORE ID: F3-89-P37

WATER DEPTH: 4443 **m (corrected)**



1. CLAY SILT, varicolored olive gray (5 Y 4/1) and grayish green (5 G 5/2), burrow mottled. Planolites abundant.

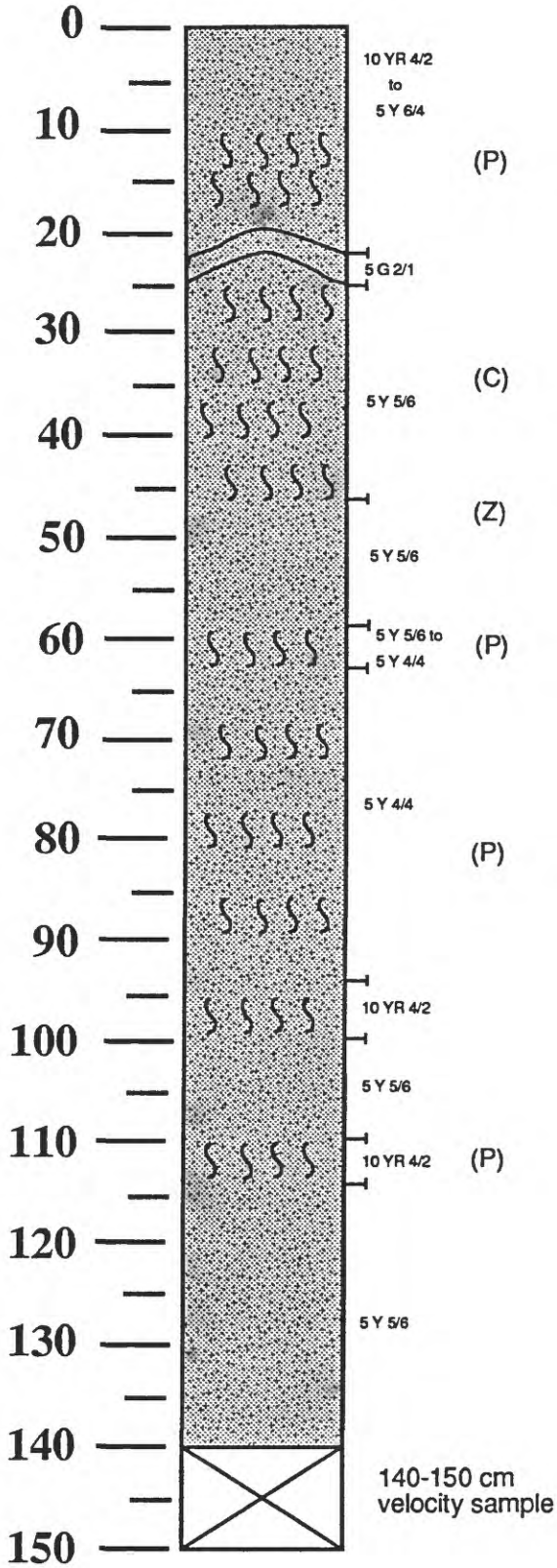
2. SAND, greenish black (5 GY 2/1).

DEPTH IN CORE IN CENTIMETERS

Figure 5 continued.

CORE ID: F3-89-P38-1

WATER DEPTH: 4378 **m (corrected)**



CLAY SILT, dark yellowish brown (10 YR 4/2) with dusky yellow (5 Y 6/4) burrows in top 10 cm. Remainder of core is light olive brown (5 Y 5/6) with darker burrow mottlings, usually moderate olive brown (5 Y 4/4).

No apparent structures other than burrows

Coarse layer at 22-24 cm, greenish black (5 G 2/1).

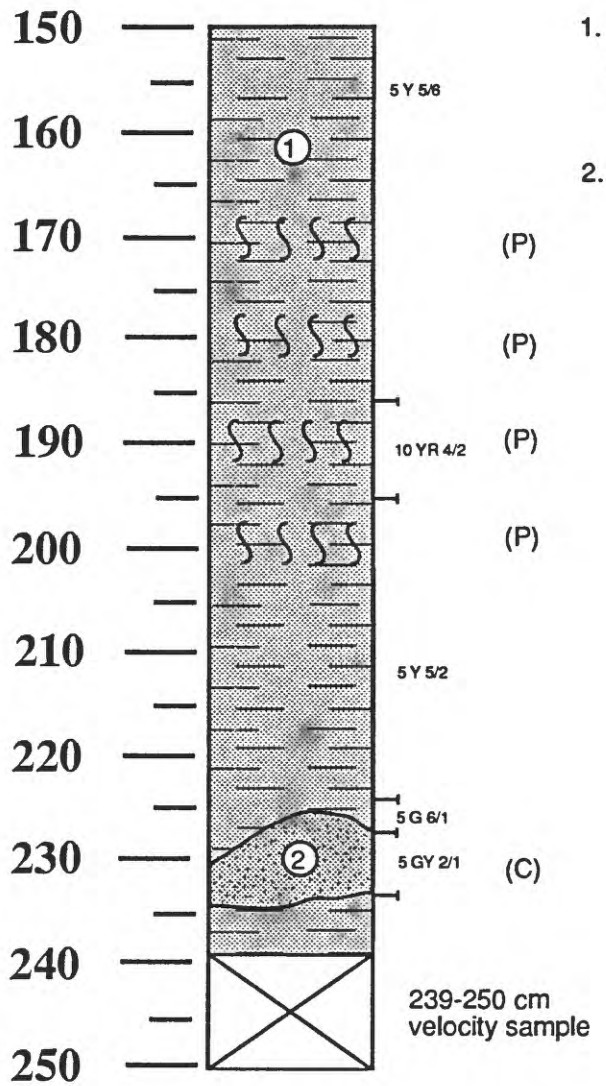
BURROW TYPES

(P) Planolites
(C) Chondrites
(Z) Zoophycus

Figure 5 continued.

CORE ID: F3-89-P38-2

WATER DEPTH: 4378 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

1. CLAY, light olive brown (5 Y 5/6), dark yellowish brown (10 YR 4/2), light olive gray (5 Y 5/2), greenish gray (5 G 6/1), bioturbated, homogeneous with no apparent structures.

2. SILT, greenish black (5 GY 2/1).

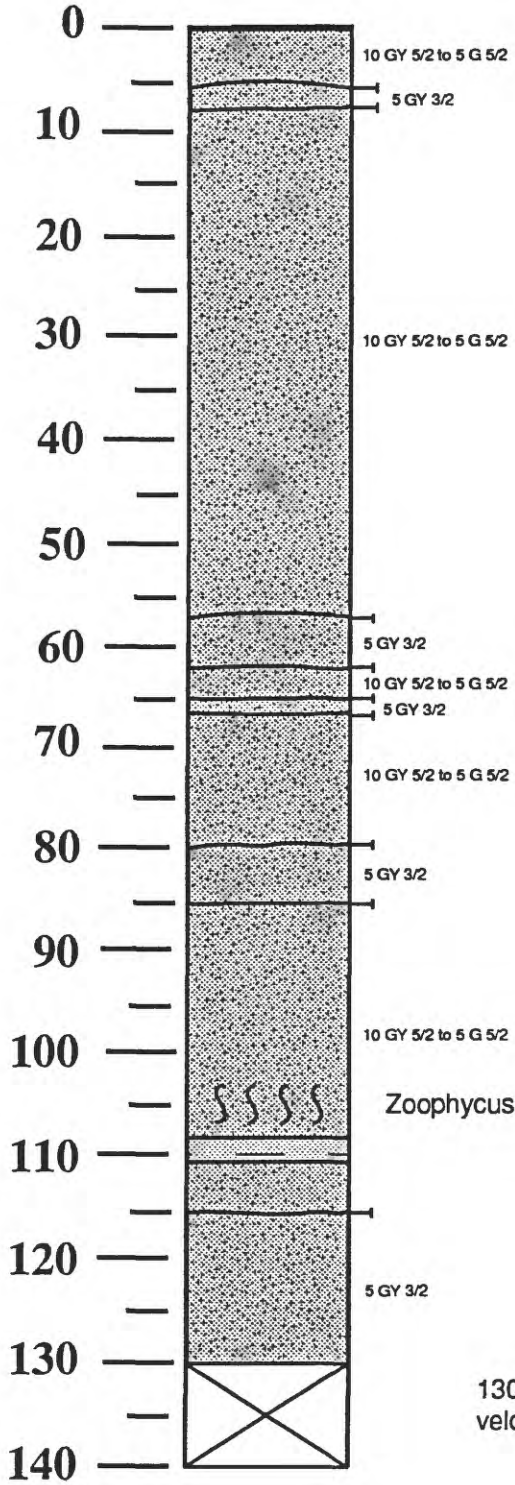
BURROW TYPES

(P) Planolites
(C) Chondrites

CORE ID: F3-89-P39-1

WATER DEPTH: 4470 **m (corrected)**

Caution! When comparing with original core description, note that top 10 cm of core was removed, and depths were adjusted accordingly.



130-140 cm
velocity sample

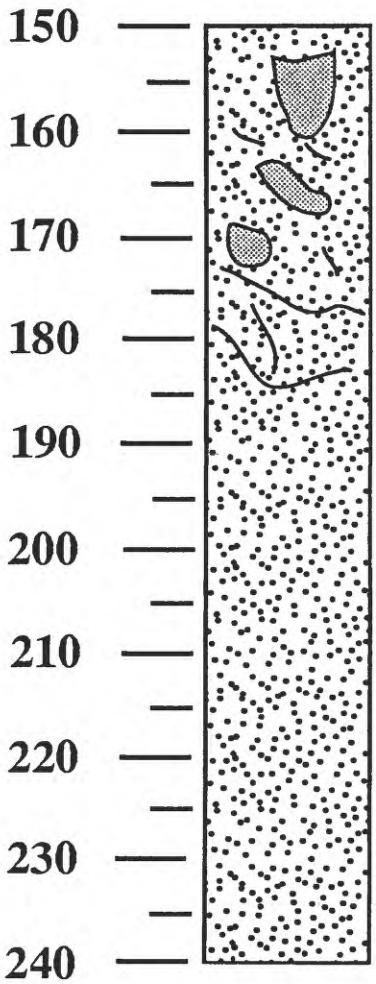
CLAY SILT with SILTY CLAY layers, grayish green (10 GY 5/2 to 5 G 5/2), bioturbated, with coarser layers of grayish olive green (5 GY 3/2), finely laminated at 57-62 cm.

Organics at 128-130 cm give an AMS ^{14}C date of 15870 ± 140 yr B.P.

NOTE: Section deformed by water flowage at top during handling. 0-55 cm deformed by splitting. Sandy silt (?) layer at 83-85 cm disturbed by excess water.

CORE ID: F3-89-P39-2

WATER DEPTH: 4470 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Caution! When comparing with original core description, note that top 10 cm of core was removed, & depths were adjusted accordingly.

Core lithology not based on actual grain-size.

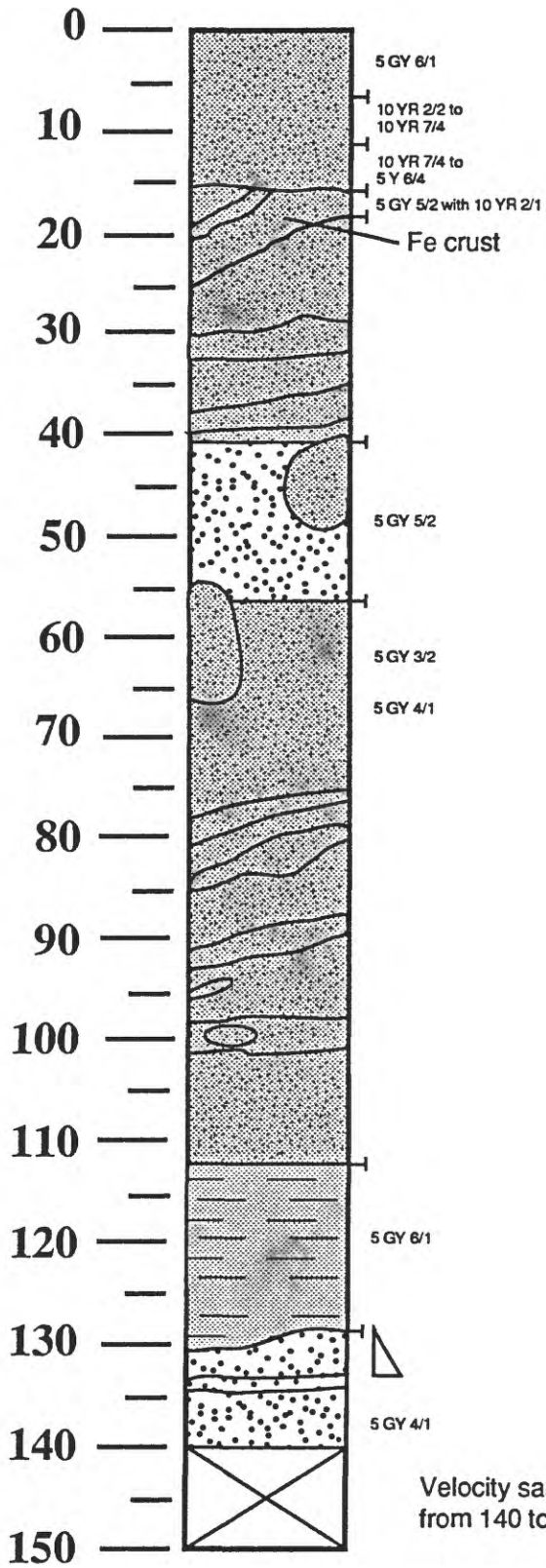
SAND (?), medium to coarse grained, clay and claystone fragments, shell material, and wood fragments. Badly disturbed.

Organics at 194-212 cm give an AMS ^{14}C date of 15060 ± 125 yr B.P.

NOTE: Archive only; no working half. Flowed, watery sand - difficulty in splitting.

CORE ID: F3-89-P40-1

WATER DEPTH: 4447 **m (corrected)**



Velocity sample taken from 140 to 150 cm

0 to 17 cm

CLAY SILT to SILT, greenish gray (5 GY 6/1), dusky yellowish brown (10 YR 2/2), dusky yellow (5 Y 6/4) to grayish orange (10 YR 7/4), apparently structureless.

17 to 22 cm

SANDY SILT, dusky yellow green (5 GY 5/2) with distinct dusky yellowish brown (10 YR 2/1) layer, relatively hard. diagenetic or chemically altered unit (?).

22 to 41 cm

SANDY SILT, layering distorted.

41 to 56 cm

SAND to SILTY SAND, dusky yellow green (5 GY 5/2).

56 to 112 cm

Interbedded CLAY SILT to SANDY SILT, grayish olive green (5 GY 3/2), to dark greenish gray (5 GY 4/1), turbidites. Many clasts (clay?), large consolidated clasts at 56 to 67 and 99 to 101 cm. Clear erosional contacts at base of coarse layers at 75 and 90 cm.

Layering much distorted - this unit NOT clearly in place, may be a slump but erosional contacts indicate unit is right-way-up.

112-130 cm

CLAY(?), greenish gray (5 GY 6/1), overconsolidated, burrow mottled. This unit is a clast.

130 to 140 cm

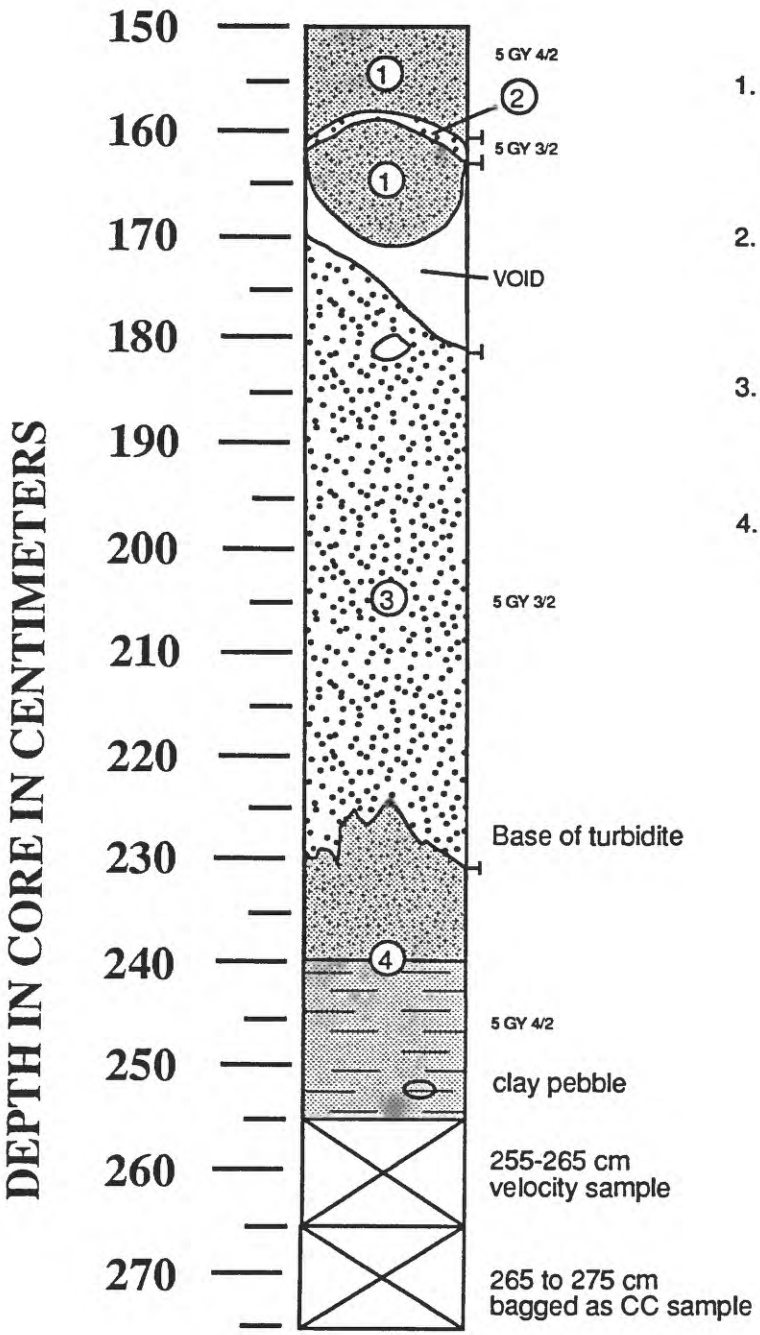
SAND(?), fine-grained,dark greenish gray (5 GY 4/1), graded.

NOTE: Sampled top 65 cm for grain size. Below 65 cm is a series of clay (?) clasts surrounded by mud. Decided not to sample that sequence.

Figure 5 continued.

CORE ID: F3-89-P40-2

WATER DEPTH: 4447 **m (corrected)**



1. CLAY SILT, grayish olive green (5 GY 4/2), soft individual burrows very obvious. Section at 160 to 168 cm may be a clast.

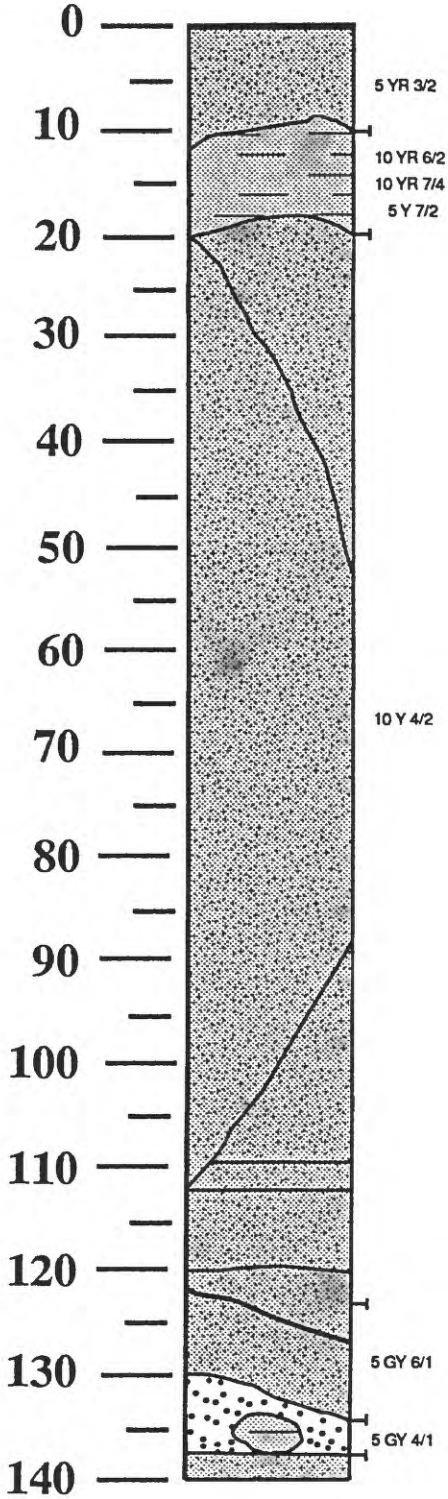
2. SAND ?, grayish olive green (5 GY 3/2), sharp basal contact and possibly fines upwards, contains organic matter.

3. SILTY SAND to SAND, grayish olive green (5 GY 3/2), gradational lower contact, structureless.

4. SANDY SILT to SANDY SILTY CLAY, grayish olive green (5 GY 4/2), structureless, clay pebble at 251 cm.

CORE ID: F3-89-P44

WATER DEPTH: 4451 **m (corrected)**



0-10 cm: SANDY SILT (?), grayish brown (5 YR 3/2), soupy, micaceous, sharp lower contact.

10-20 cm: SILTY CLAY, pale yellowish brown (10 YR 6/2), grayish orange (10 YR 7/4), and yellowish gray (5 Y 7/2). Unit appears flowed. Lower contact is gradational.

20-123 cm: CLAY SILT to SILT, grayish olive (10 Y 4/2), stiff. Shear zones and parting (?) laminae due to coring. Subtle bioturbation and possible diagenetic white patches and shell material that may have been dragged down from upper surface. 20 to 110 cm is possibly a clast.

Color banding flowed at 110 cm. Sharp, sloping lower contact at 123 cm.

123-140 cm: CLAY SILT to SILTY CLAY SAND, greenish gray (5 GY 6/1), laminated.

130-137 cm: SILTY CLAY SAND, dark greenish gray (5 GY 4/1), micaceous, possibly graded.

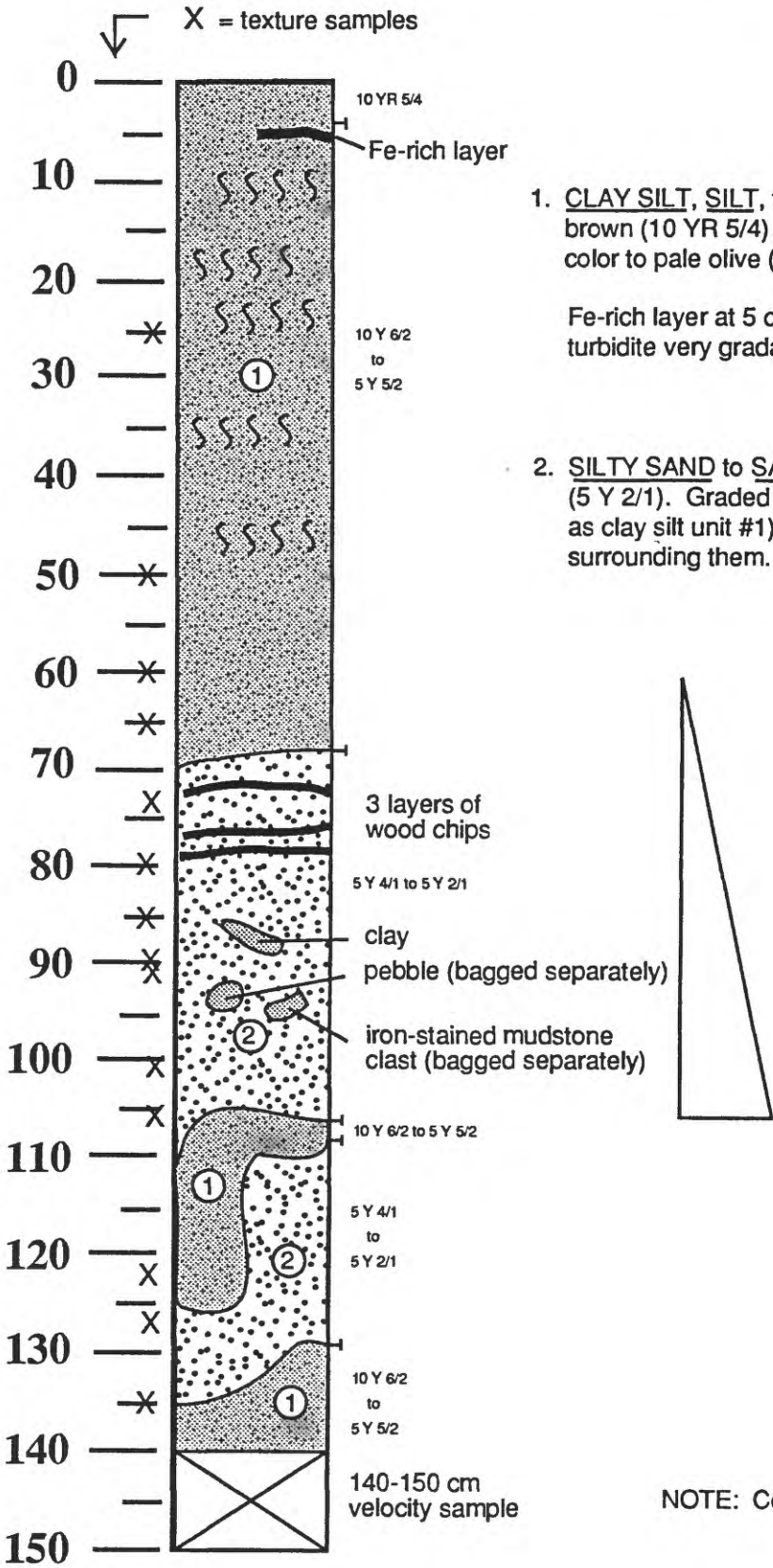
135 cm: CLAY (?) clast and wood fragment.

Organics at 131-133 cm give an AMS ^{14}C date of 10590 ± 105 yr B.P.

Figure 5 continued.

CORE ID: F3-89-P46-1

WATER DEPTH: 4444 **m (corrected)**



1. CLAY SILT, SILT, to SANDY SILT, moderate yellowish brown (10 YR 5/4) for top 4 cm then abruptly changing color to pale olive (10 Y 6/2) to light olive gray (5 Y 5/2).

   Fe-rich layer at 5 cm. Heavily bioturbated. Contact with turbidite very gradational and bioturbated.

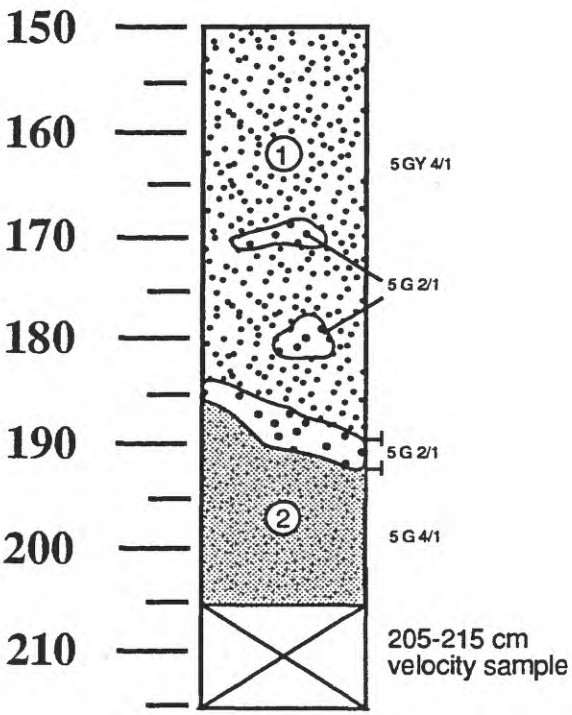
2. SILTY SAND to SAND, olive gray (5 Y 4/1) to olive black (5 Y 2/1). Graded turbidite with clasts of mud (same color as clay silt unit #1) but with a clay? rind about 0.5 cm thick surrounding them.

NOTE: Core disturbed while splitting

Figure 5 continued.

CORE ID: F3-89-P46-2

WATER DEPTH: 4444 **m (corrected)**



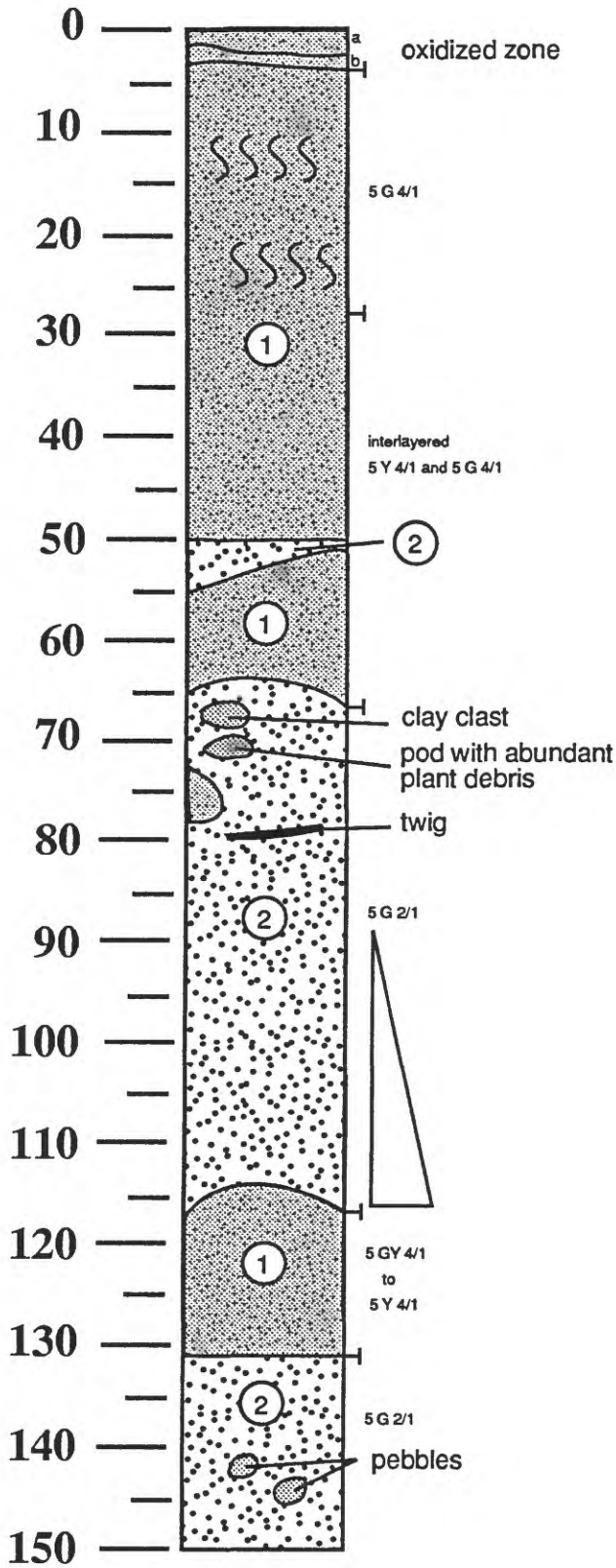
1. SILTY SAND, dark greenish gray (5 GY 4/1). Blobs of sand at 170, 180, and 185 cm are coarser and darker in color (greenish black, 5 G 2/1).

2. CLAY SILT, dark greenish gray (5 G 4/1), homogeneous.

DEPTH IN CORE IN CENTIMETERS

CORE ID: F3-89-P47-1

WATER DEPTH: 4446 **m (corrected)**



1. CLAY SILT, dark greenish gray (5 G 4/1) to olive gray (5 Y 4/1), bioturbated.

   Oxidized surface layer:
   a. moderate brown (5 YR 3/4)
   b. dark yellowish brown 10 YR 4/2)

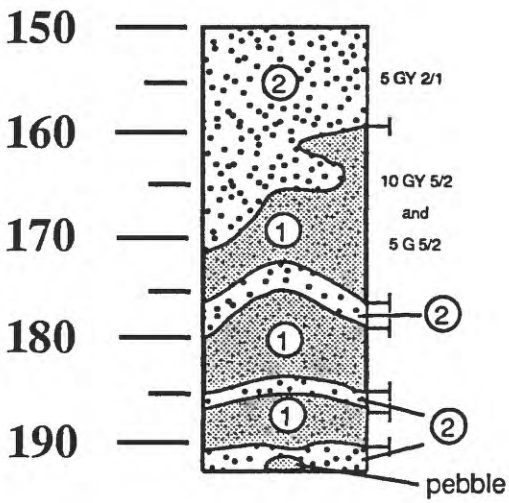
2. SILTY SAND to SAND, greenish black (5 G 2/1).

Organics at 64-69 cm give and AMS ^{14}C date of 12050 ± 125 yr B.P.

Figure 5 continued.

CORE ID: F3-89-P47-2

WATER DEPTH: 4446 **m (corrected)**



1. SANDY CLAY SILT to SILT, grayish green (10 GY 5/2) and grayish green (5 G 5/2), bioturbated.

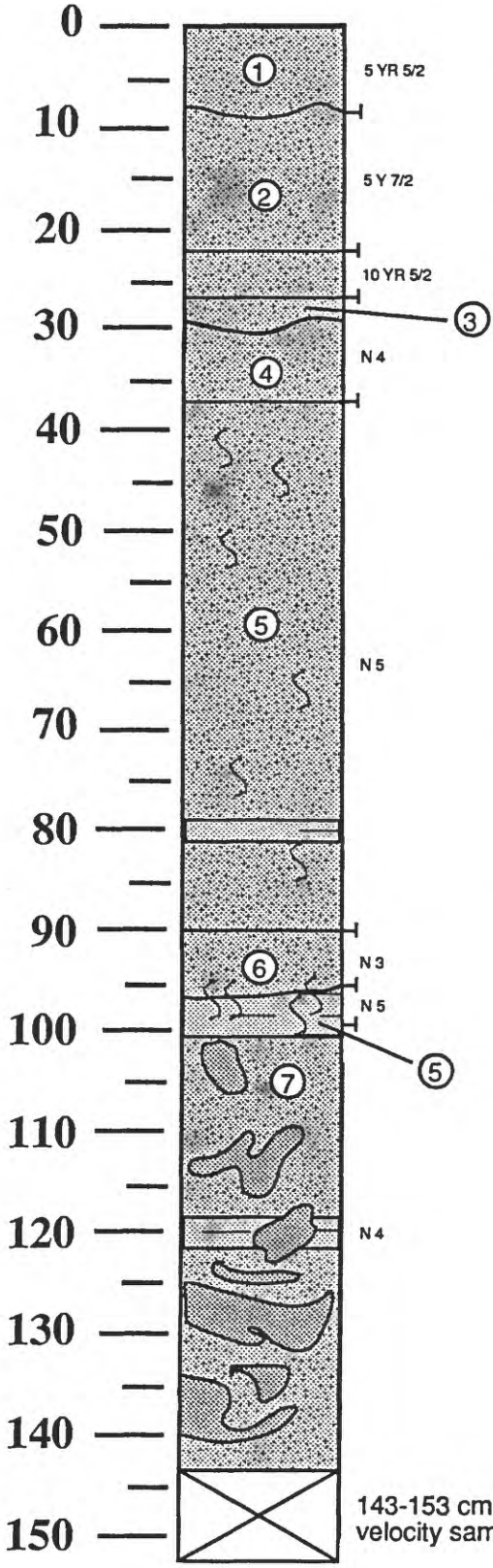
2. SAND to SILTY SAND, greenish black (5 GY 2/1), inverse grading, flowed (?), sharp contact at 160 to 170 cm. Unit at 185 to 186 cm appears laminated.

DEPTH IN CORE IN CENTIMETERS

Figure 5 continued.

CORE ID: F3-89-P48-1

WATER DEPTH: 4445 **m (corrected)**



1. 0-8 cm, CLAY SILT (?), pale brown (5 YR 5/2), slight reddish cast, deformed, structureless, transitional base.

2. 8-22 cm, CLAY SILT to SILT, yellowish gray (5 Y 7/2), no apparent structures, soft, sharp lower contact.

3. 22-27 cm, SILT, moderate yellowish brown (10 YR 5/2), stiff (diagenetic ?), blocky.

4. 27-37 cm, SILT, medium dark gray (N4), poorly sorted, several distinct beds, subtle grading. Lower contact abrupt (erosional) and deformed by coring.

5. 37-90 cm, CLAY SILT to SILTY CLAY, medium gray (N5), uniform in appearance and texture, characterized by elongated burrows that appear stretched and deformed (sheared ?).

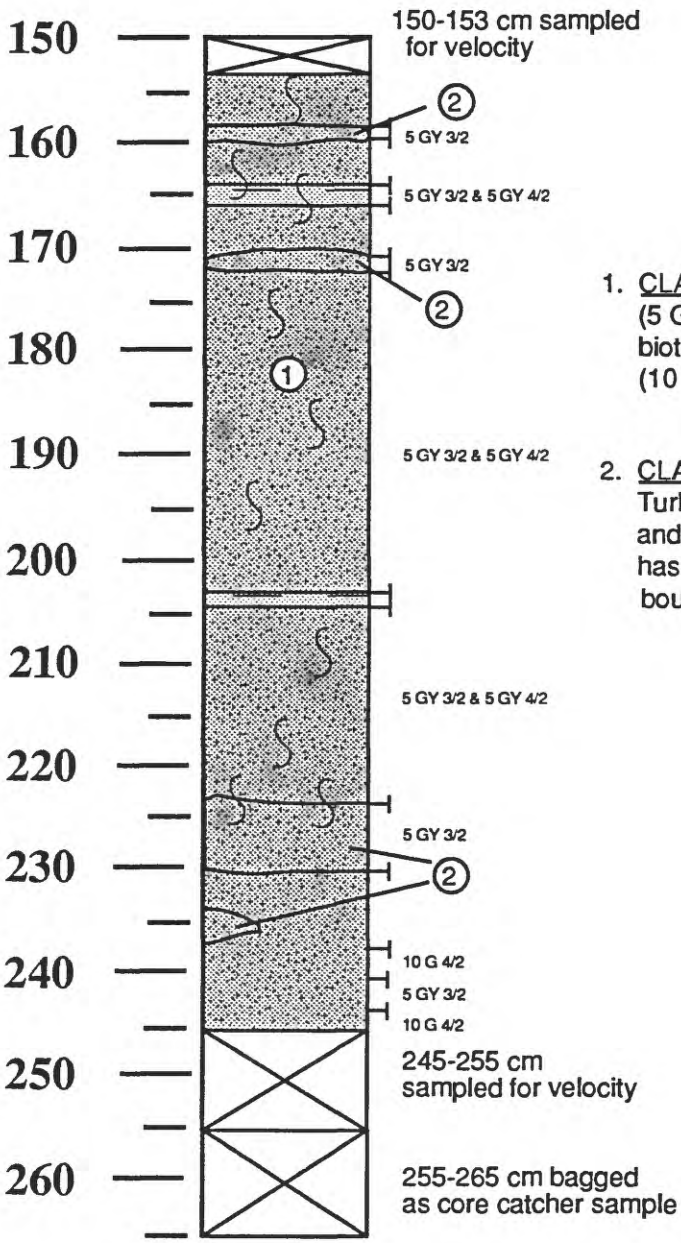
6. 90-96 cm, CLAY SILT, dark gray (N3), several cycles, some grading apparent, darker near the base (organics ?). Sharp upper contact. Few burrows, but lower contact burrowed extensively.

7. 100-143, CLAY SILT to SANDY CLAY SILT, medium dark gray (N4), with interbeds/clasts of slightly silty clay. Evidence of flow/stretching/shearing of individual units. The two lithologies remain distinct. Clasts decrease towards base.

Figure 5 continued.

CORE ID: F3-89-P48-2

WATER DEPTH: 4445 **m (corrected)**



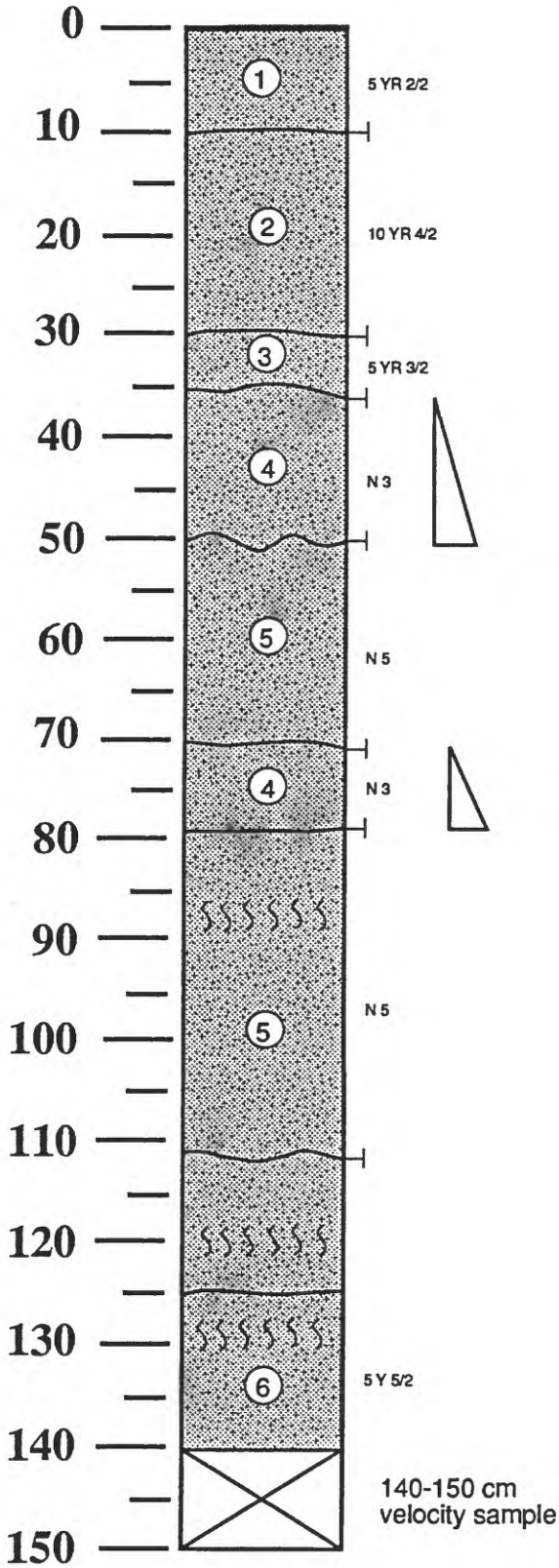
NOTE: THIS SECTION STARTS AT 153 cm.

1. CLAY SILT with SILTY CLAY layers, grayish olive green (5 GY 3/2), with lighter (5 GY 4/2) mottles. Thoroughly bioturbated with Planolites and Chondrites. Grayish green (10 G 4/2) at 238 to 241 cm and at bottom.

2. CLAY SILT, grayish olive green (5 GY 3/2), turbidites. Turbidite at 224 to 229 cm has bioturbated upper boundary and very sharp lower boundary. Turbidite at 233 to 236 cm has erosional lower boundary and relatively sharp upper boundary.

CORE ID: F3-89-P51-1

WATER DEPTH: 4483 **m (corrected)**



CORE DISTURBED TO ABOUT 35 cm
(LINER SHATTERED)

1. CLAY SILT?, dusky brown (5 YR 2/2), surface deposit, disturbed.

2. CLAY SILT?, dark yellowish brown (10 YR 4/2), disturbed, stiffer than overlying and underlying silt units. Severely disturbed.

3. CLAY SILT?, grayish brown (5 YR 3/2), soft, sharp upper contact, disturbed, may be top of turbidite of unit 4.

4. SILT, dark gray (N3), graded from very fine sand through medium silt, lower contact abrupt and deformed. Unit appears poorly sorted.

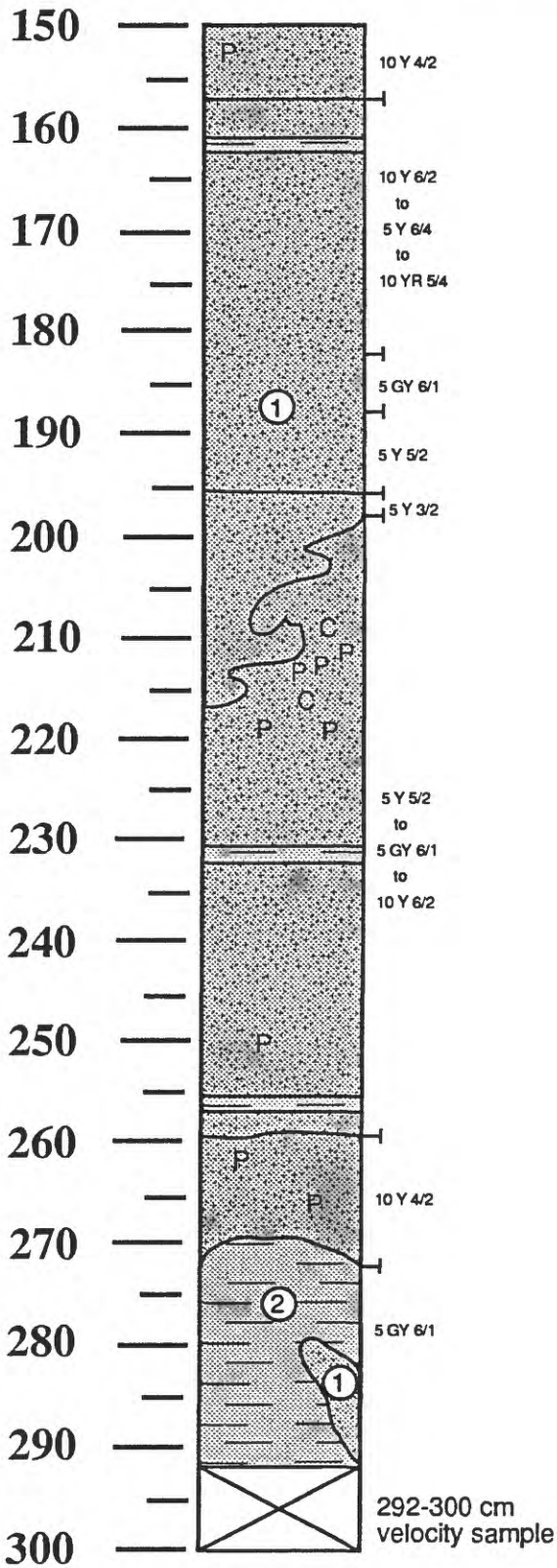
5. CLAY SILT, medium gray (N5), homogeneous except for zones of bioturbated color banding. Sharp contact with overlying silt and gradational contact with underlying clay silt (unit 6).

6. CLAY SILT, light olive gray (5 Y 5/2), unit has yellowish cast. Distinct zone of bioturbation at 137 to 139 cm. Distinctly stiffer in interval 110-12 cm.

Figure 5 continued.

CORE ID: F3-89-P51-2

WATER DEPTH: 4483 **m (corrected)**



1. 150-272 cm, CLAY SILT with a few SILTY CLAY layers, variably colored from pale olive (10 Y 6/2), dusky yellow (5 Y 6/4), moderate yellowish brown (10 YR 5/4), olive gray (5 Y 3/2), to grayish olive (10 Y 4/2), sharp contact at 272 cm. Bioturbated by Planolites of a lighter color. Disturbed by coring.

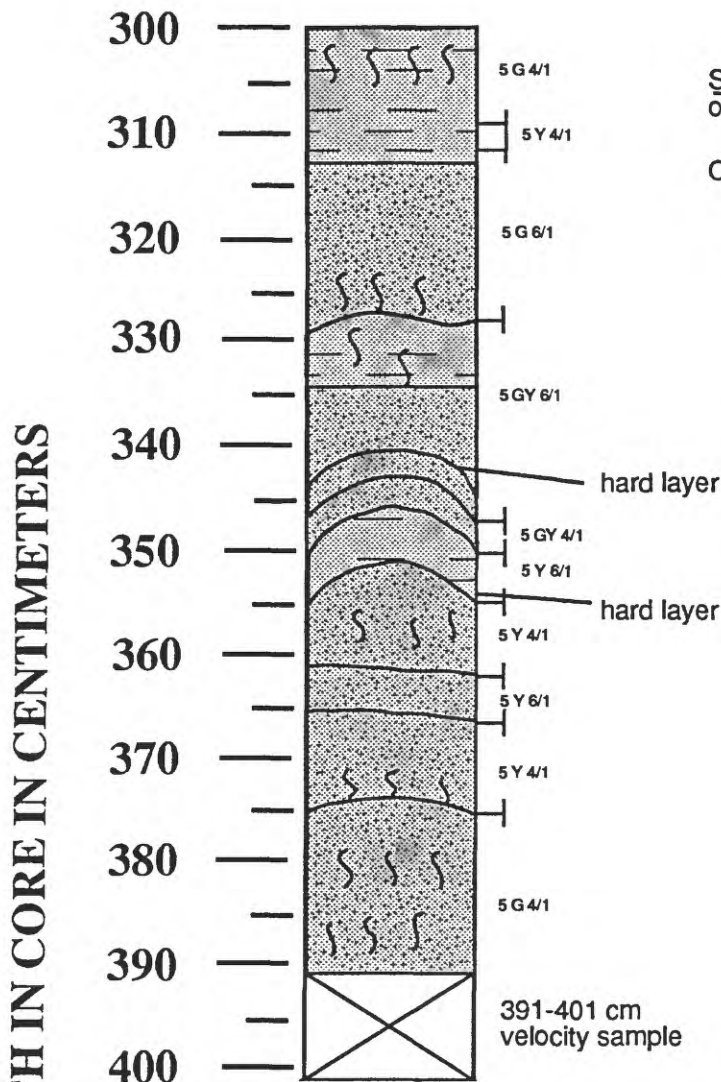
2. SILTY CLAY, greenish gray (5 GY 6/1), graded. Silt at 280 to 289 cm appears disturbed by coring.

BURROW TYPES

P Planolites
C Chondrites

CORE ID: F3-89-P51-3

WATER DEPTH: 4483 **m (corrected)**



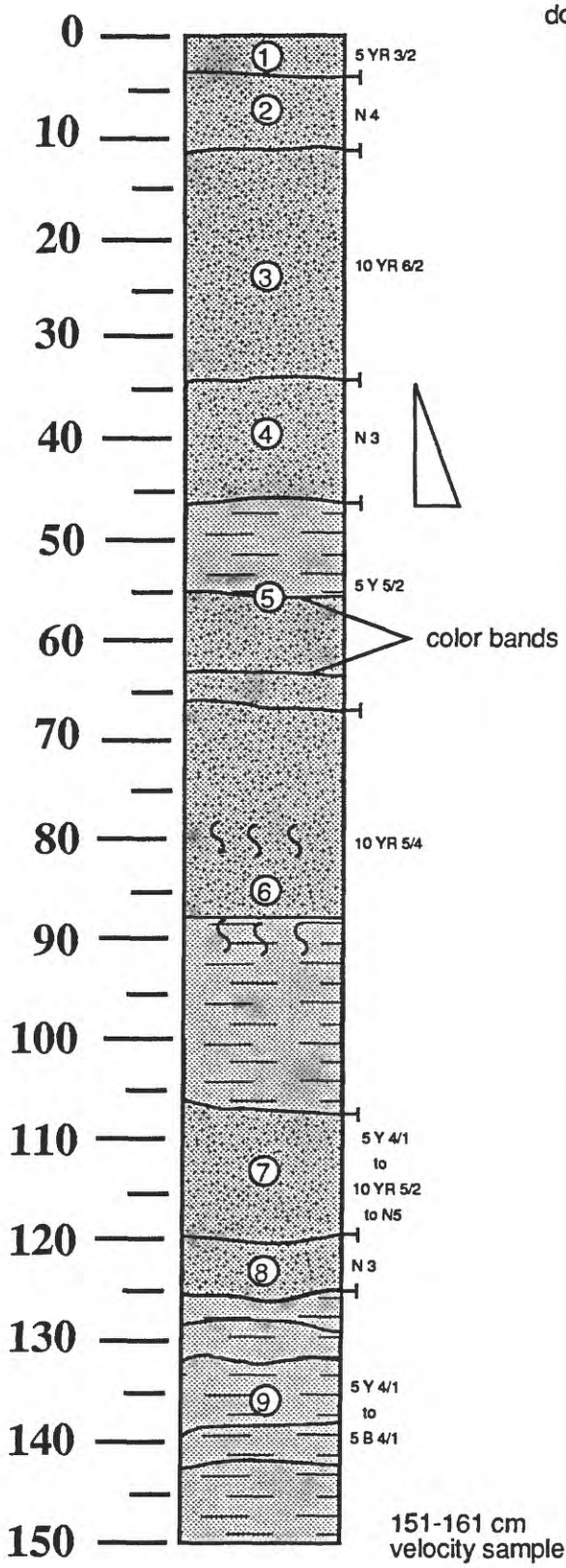
SILTY CLAY, CLAY SILT, to SILT, various subtle shades of green and olive, highly bioturbated, finely laminated.

Colors seen in core:

dark greenish gray (5 G 4/1)
olive gray (5 Y 4/1)
greenish gray (5 G 6/1)
greenish gray (5 GY 6/1)
dark greenish gray (5 GY 4/1)
light olive gray (5 Y 6/1)
grayish green (10 G 4/2)

CORE ID: F3-89-P52

WATER DEPTH: 4484 **m (corrected)**



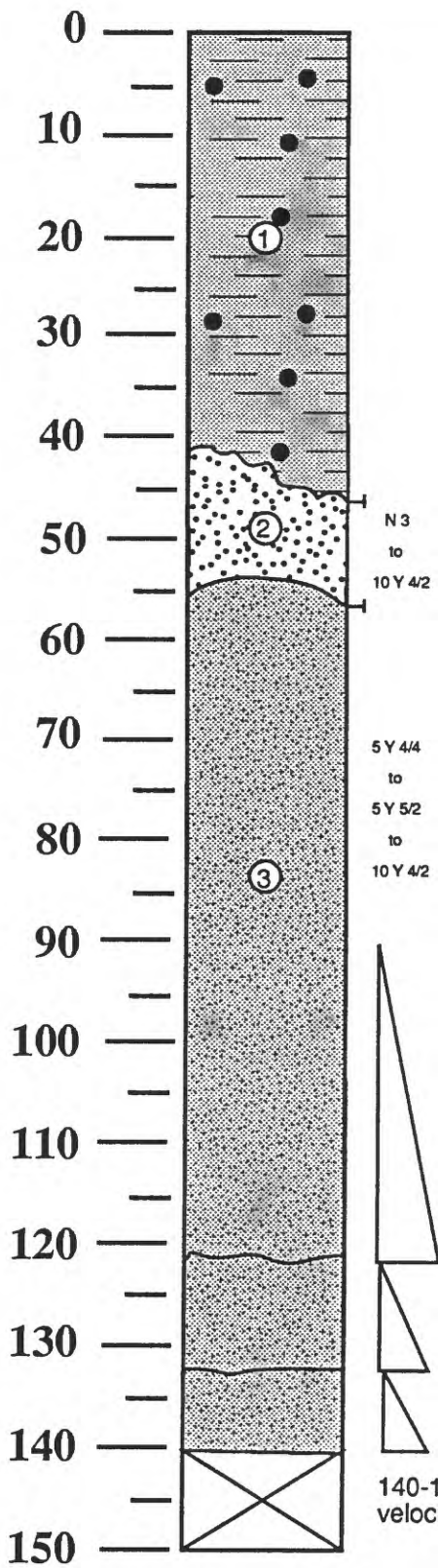
Deformation probably from 0-35 cm, deformation farther down core due to loading/compaction.

1. CLAY SILT, grayish brown (5 YR 3/2), oxidized upper deformed unit, probably some lost.
2. CLAY SILT, medium dark gray (N 4), medium consistency suggesting less water than typical near-surface sediment.
3. CLAY SILT, pale yellowish brown (10 YR 6/2), with swirls of dark brown.
4. SILT, dark gray (N 3), sharp basal contact, probably graded to silt at top, poorly sorted.
5. CLAY SILT to SILTY CLAY, light olive gray (5 Y 5/2), slightly variegated, purple color bands at 56 and 64 cm.
6. CLAY SILT to SILTY CLAY, moderate yellowish brown (10 YR 5/4), stiff, burrow zone (deformed laminae??) at 80 and 92 cm.
7. SILT to CLAY SILT, olive gray (5 Y 4/1) to yellowish brown (10 YR 5/2) to medium gray (N 5), several deformed and interfingered units.
8. SILT, dark gray (N 3), poorly sorted, not graded, deformed, sharp lower contact.
9. SILTY CLAY, variegated from olive gray (5 Y 4/1) through blue gray (5 B 4/1), bedded with individual clay laminae a few mm to several cm in thickness. Deformed by loading (??).

Figure 5 continued.

CORE ID: F3-89-P55-1

WATER DEPTH: 3784 **m (corrected)**



Core lithology for Section 1 is not based on actual grain-size.

1. 0-42 cm: MUD, no distinct surface oxidized layer, soft, deformed and disturbed, lower contact very uneven.

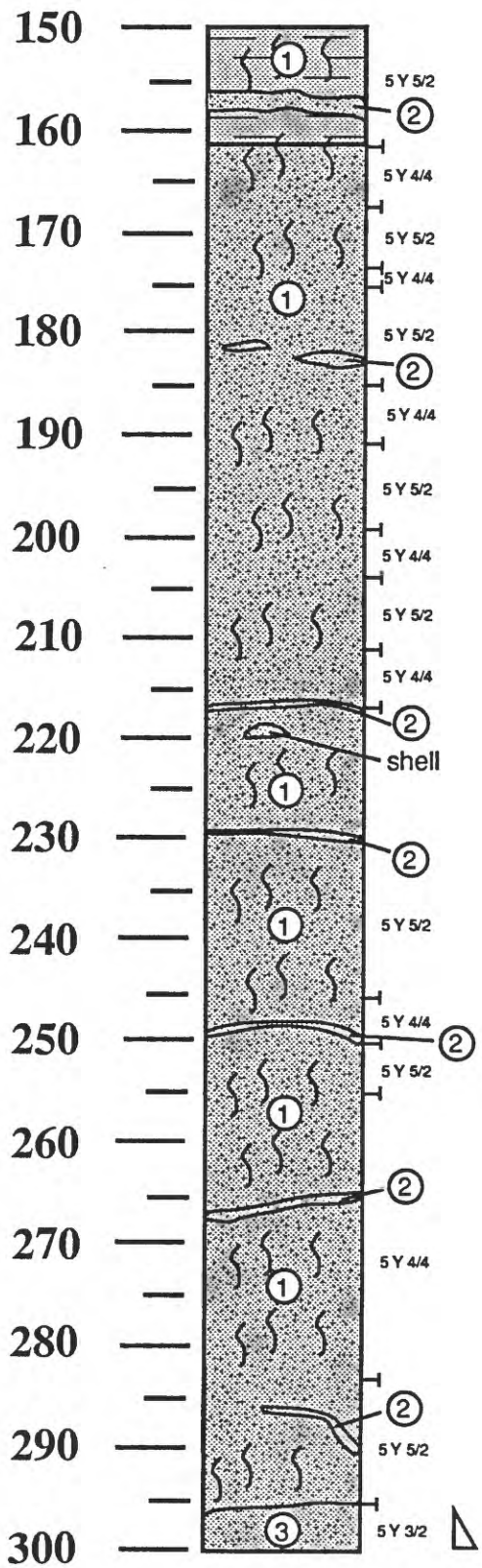
2. 42-57 cm: SAND, fine to medium grained, dark gray (N 3) to grayish olive (10 Y 4/2), cross-bedded and laminated with thin (1 mm to 1 cm) layers.

3. 57-140 cm: CLAY SILT, moderate olive brown (5 Y 4/4) grading up to light olive gray (5 Y 5/2) to grayish olive (10 Y 4/2), series of mud turbidites, each 15 to 35 cm in length, characterized by SILT bases grading up to CLAY SILT and then CLAY. Tops of turbidites are sharply eroded and bioturbated into overlying silt turbidites.

Figure 5 continued.

CORE ID: F3-89-P55-2

WATER DEPTH: 3784 **m (corrected)**



1. SILTY CLAY to CLAY SILT, light olive gray (5 Y 5/2) to moderate olive brown (5 Y 4/4), extremely bioturbated.

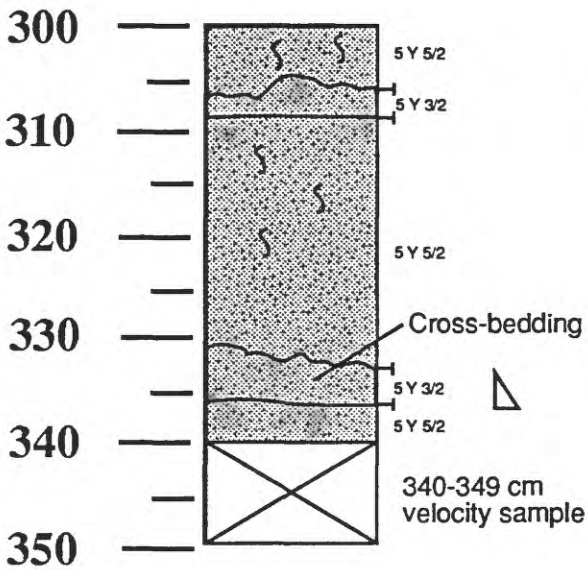
2. SILT, olive gray (5 Y 3/2), thin laminae, some disturbed by bioturbation.

3. SANDY SILT, olive gray (5 Y 3/2), graded.

Figure 5 continued.

CORE ID: F3-89-P55-3

WATER DEPTH: 3784 **m (corrected)**

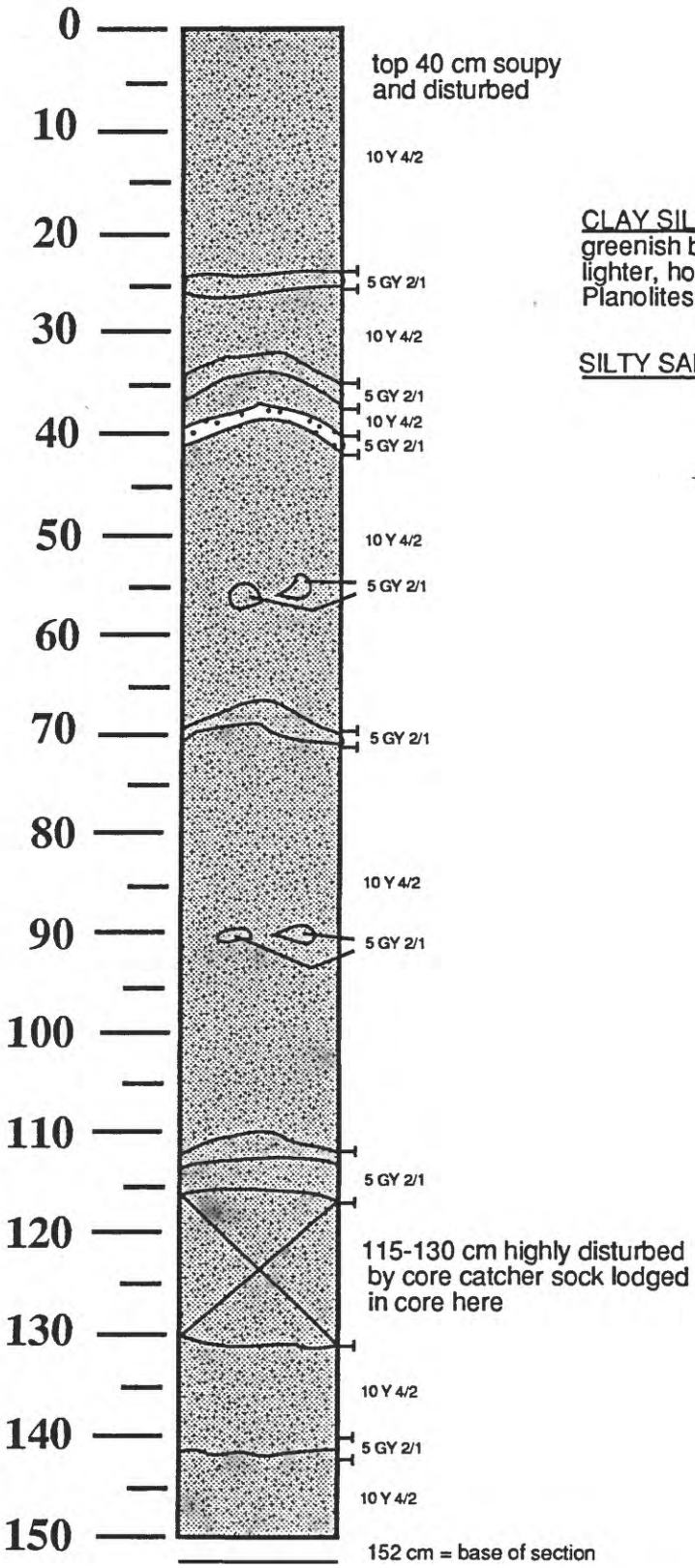


DEPTH IN CORE IN CENTIMETERS

CLAY SILT to SANDY SILT, light olive gray (5 Y 5/2) to olive gray (5 Y 3/2), bioturbated.

CORE ID: F3-89-P56-1

WATER DEPTH: 3474 **m (corrected)**



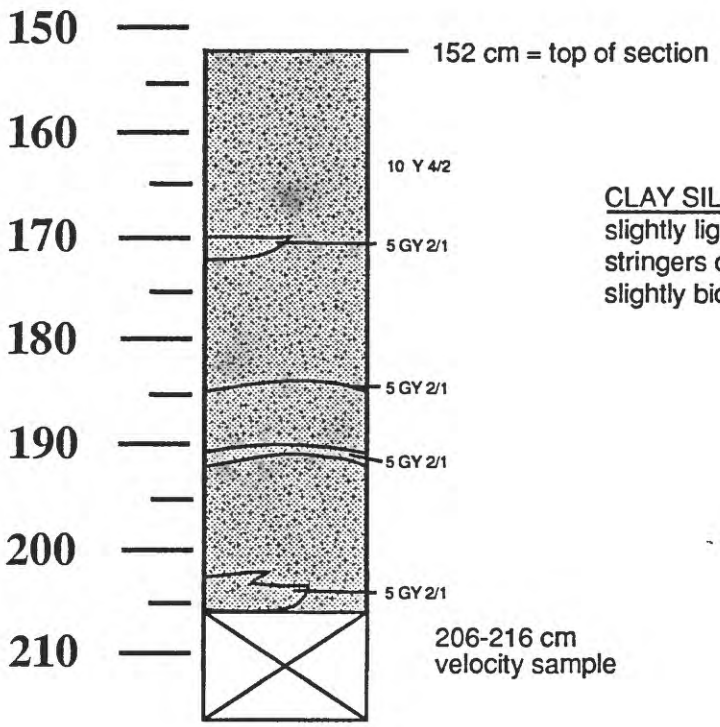
CLAY SILT to SANDY SILT, grayish olive (10 Y 4/2) to greenish black (5 GY 2/1), burrow mottles are slightly lighter, homogeneous to moderately bioturbated with Planolites.

SILTY SAND layer at 39 cm.

Figure 5 continued.

CORE ID: F3-89-P56-2

WATER DEPTH: 3474 **m (corrected)**

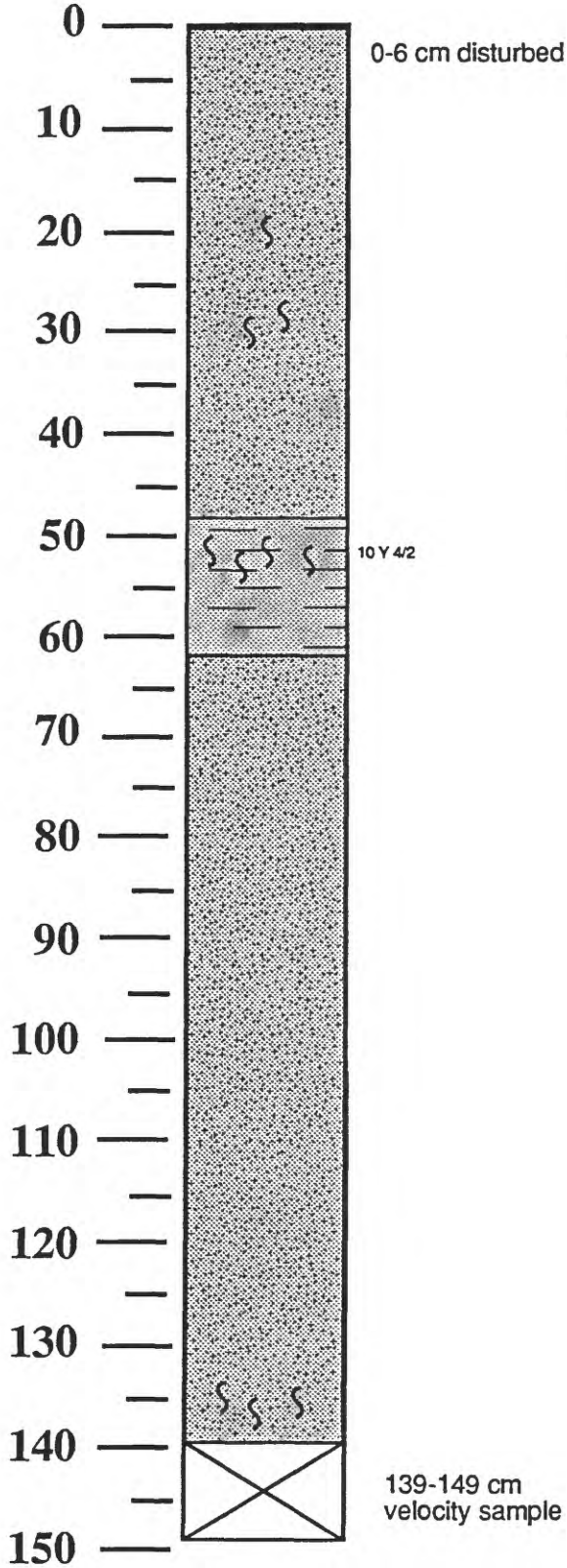


CLAY SILT to SANDY SILT, grayish olive (10 Y 4/2) with slightly lighter burrow mottles, and thin layers, lenses, and stringers of greenish black (5 GY 2/1) silt, homogeneous to slightly bioturbated.

DEPTH IN CORE IN CENTIMETERS

CORE ID: F3-89-P57

WATER DEPTH: 3506 **m (corrected)**



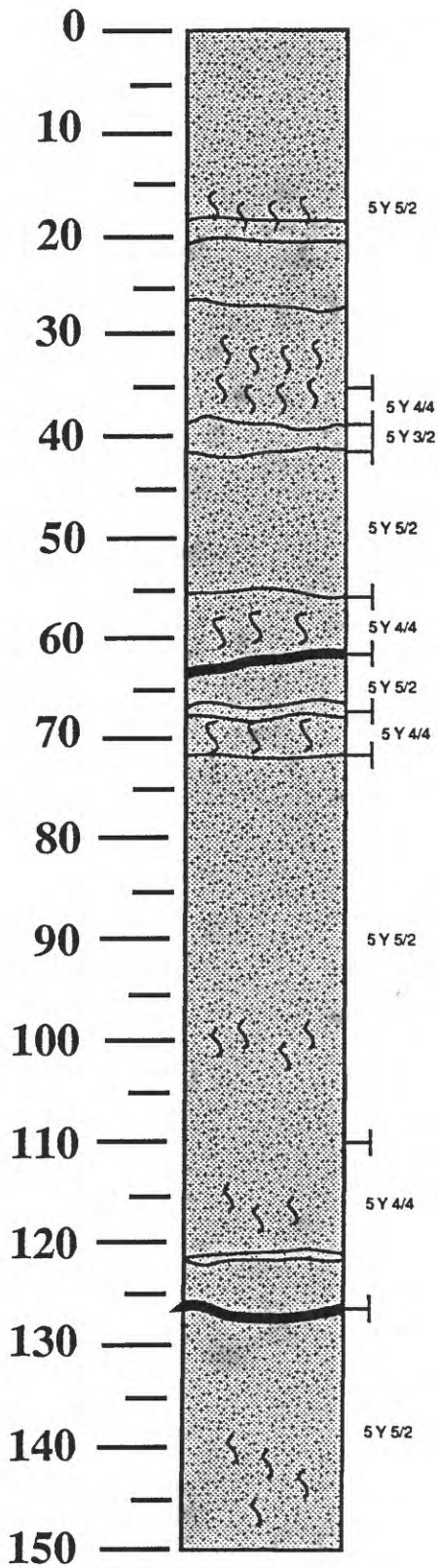
DEPTH IN CORE IN CENTIMETERS

CLAY SILT with SILT CLAY, grayish olive (10 Y 4/2), homogeneous, little or no evidence of internal stratification or laminations. Burrows at 50-55 and 133-140 cm.

Figure 5 continued.

CORE ID: F3-89-G30-1

WATER DEPTH: 3871 **m (corrected)**

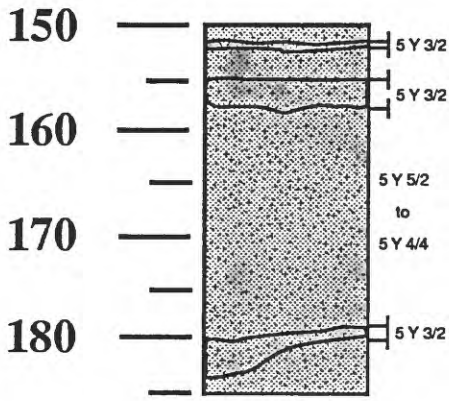


CLAY SILT to SILT, light olive gray (5 Y 5/2), olive gray (5 Y 3/2), to moderate olive brown (5 Y 4/4), strong bioturbation in places.

Figure 5 continued.

CORE ID: F3-89-G30-2

WATER DEPTH: 3871 **m (corrected)**



CLAY SILT to SILT, light olive gray (5 Y 5/2), olive gray (5 Y 3/2) to moderate olive brown (5 Y 4/4), little bioturbation.

DEPTH IN CORE IN CENTIMETERS

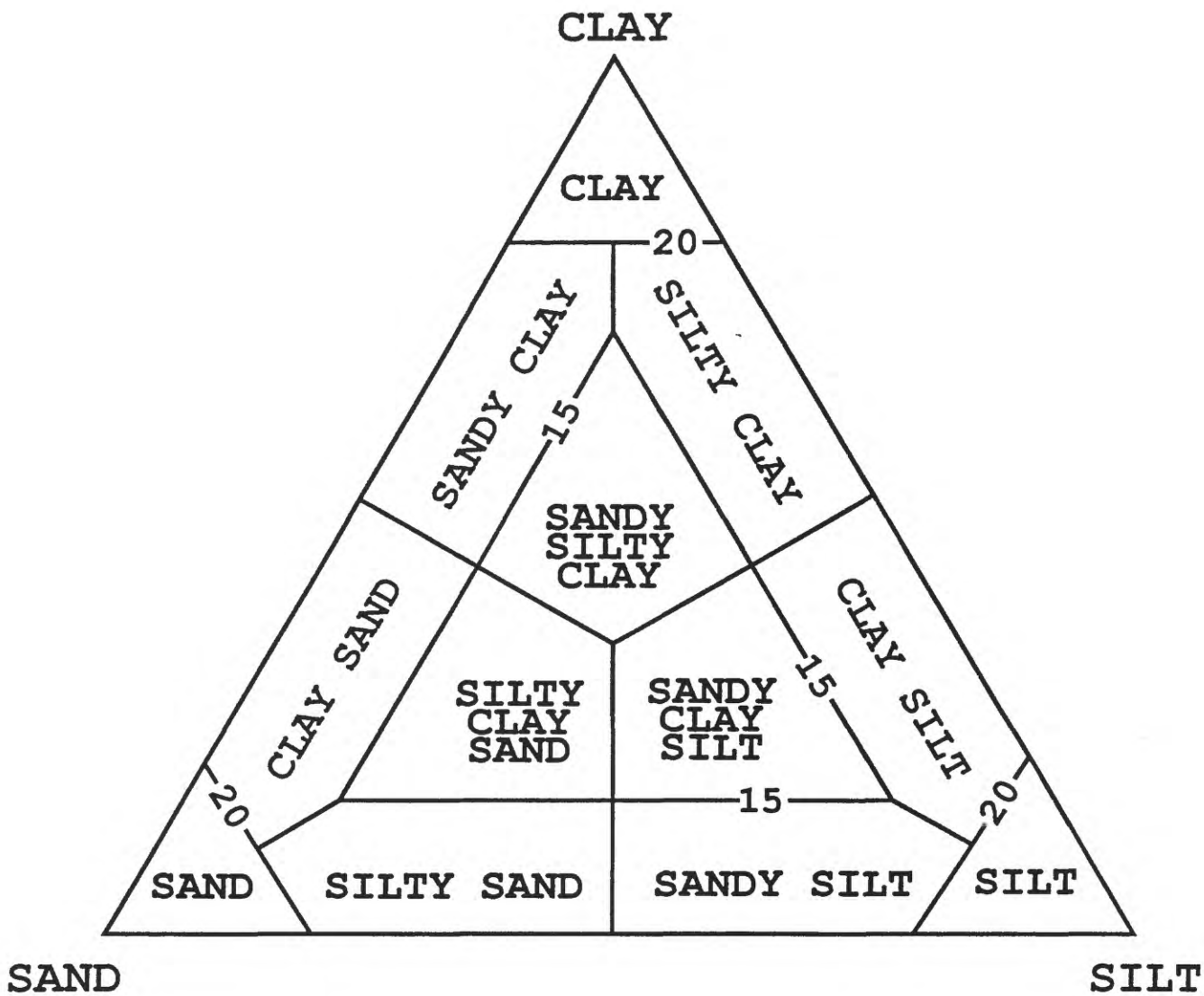
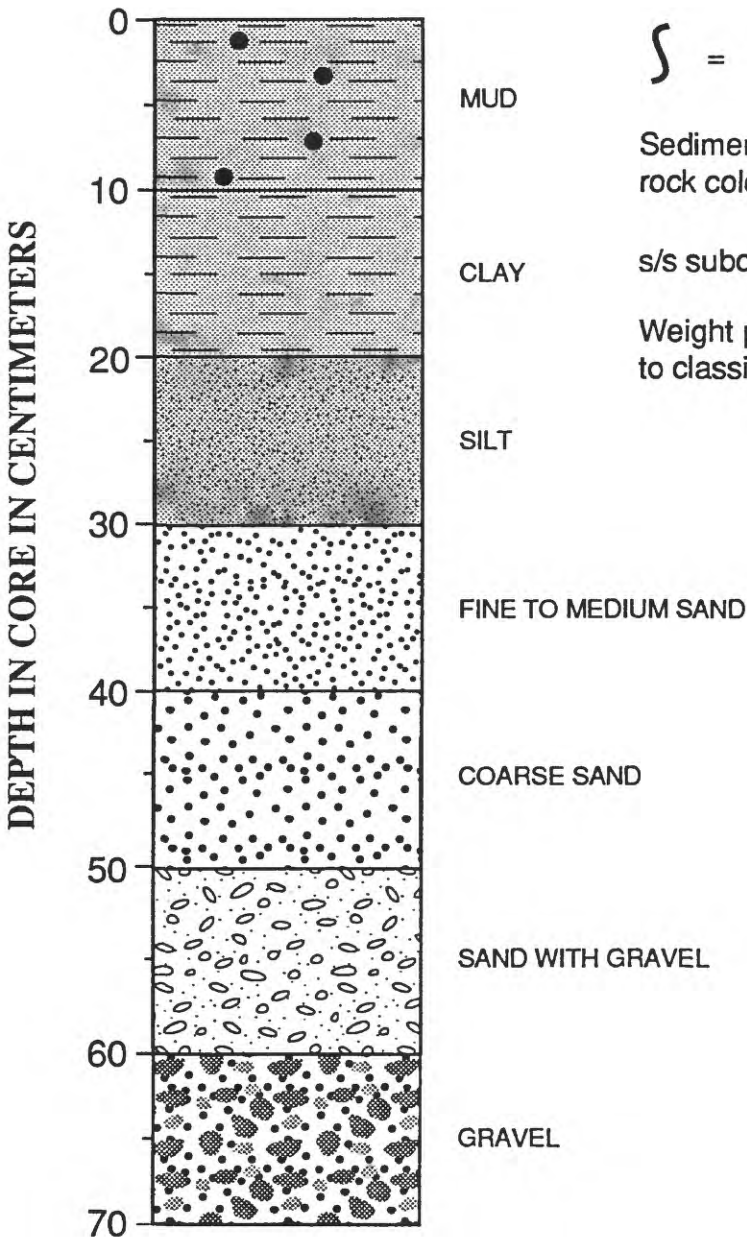


Figure 6. Sand/silt/clay ternary diagram used for classifying sediments.
(After Trefethen, 1950)

Explanation for Figure 7:

CORE ID: core descriptor F5-87-G1-2 = Farnella cruise 5, 1987, gravity core 1, section 2

WATER DEPTH:_____m (corrected)



∫ = bioturbation, burrows

Sediment color described using the G.S.A. rock color chart, e.g., 5 Y 5/6 (light olive brown).

s/s subcore = stratigraphy and sedimentology subcore

Weight percents from Table 2 were used with Figure 6 to classify sediments.

Figure 7.

CORE ID: F5-87-B1

WATER DEPTH: 4445 **m (corrected)**

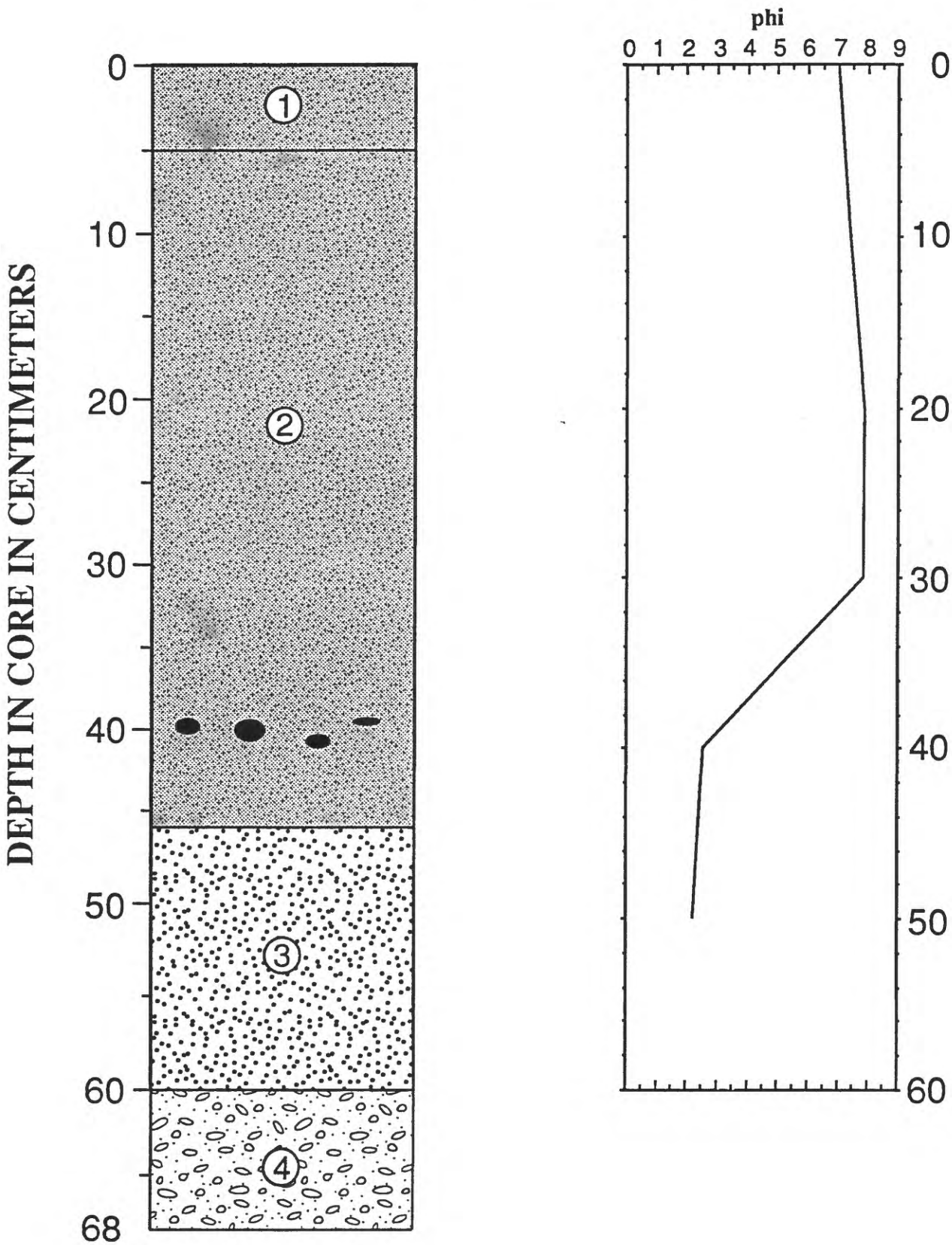
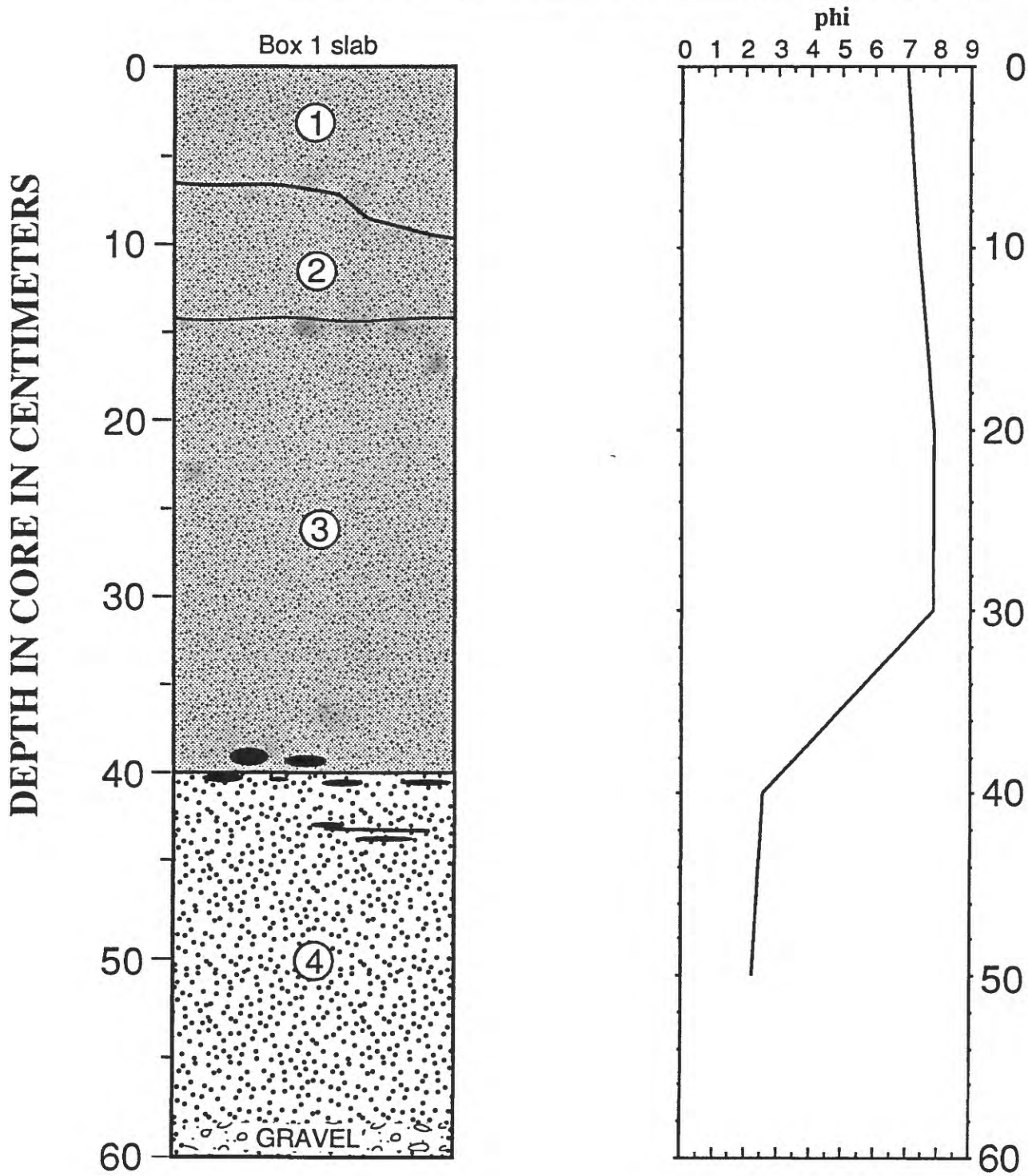


Figure 7 continued.

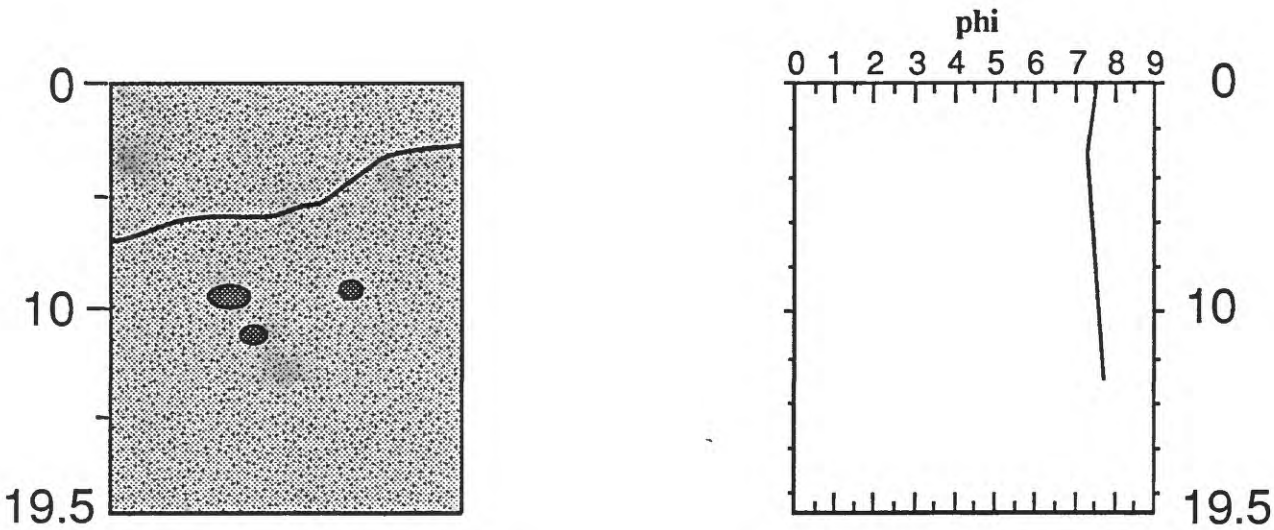
CORE ID: F5-87-B1 (slab)

WATER DEPTH: 4445 **m (corrected)**



CORE ID: F5-87-B2

WATER DEPTH: 4442 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

CORE ID: F5-87-B3

WATER DEPTH: 4440 **m (corrected)**

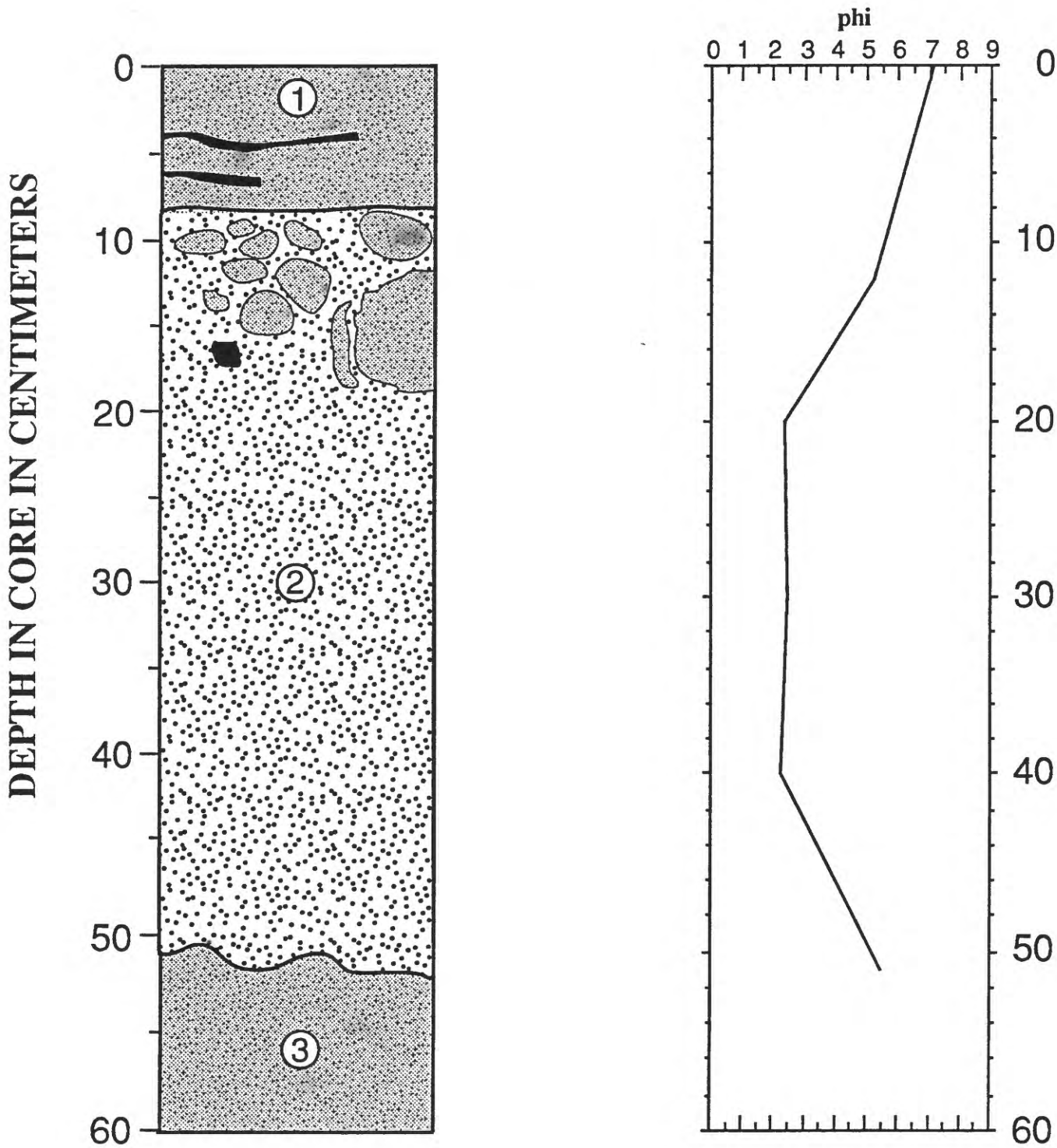
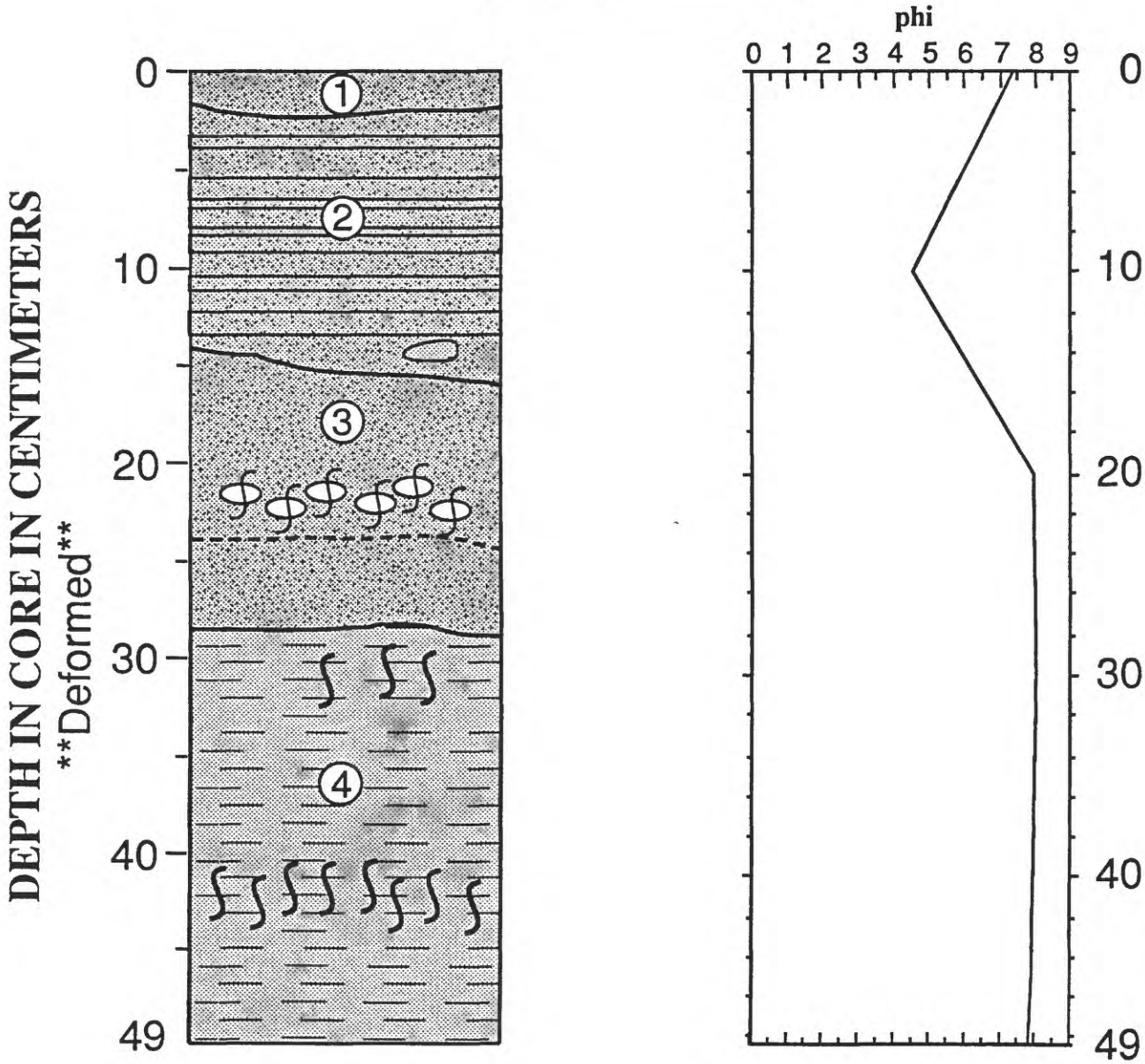


Figure 7 continued.

CORE ID: F5-87-B4

WATER DEPTH: 4445 **m (corrected)**

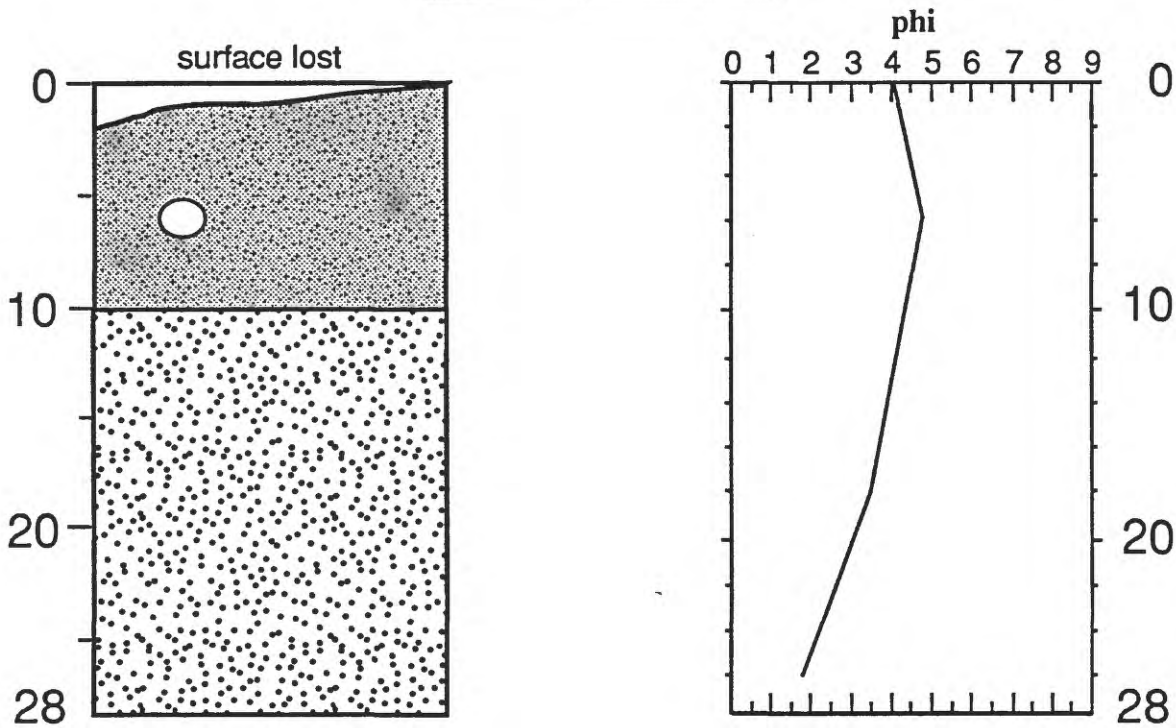


slab shortened while collecting

Figure 7 continued.

CORE ID: F5-87-B6

WATER DEPTH: 4440 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Figure 7 continued.

CORE ID: F5-87-B7

WATER DEPTH: 4435 **m (corrected)**

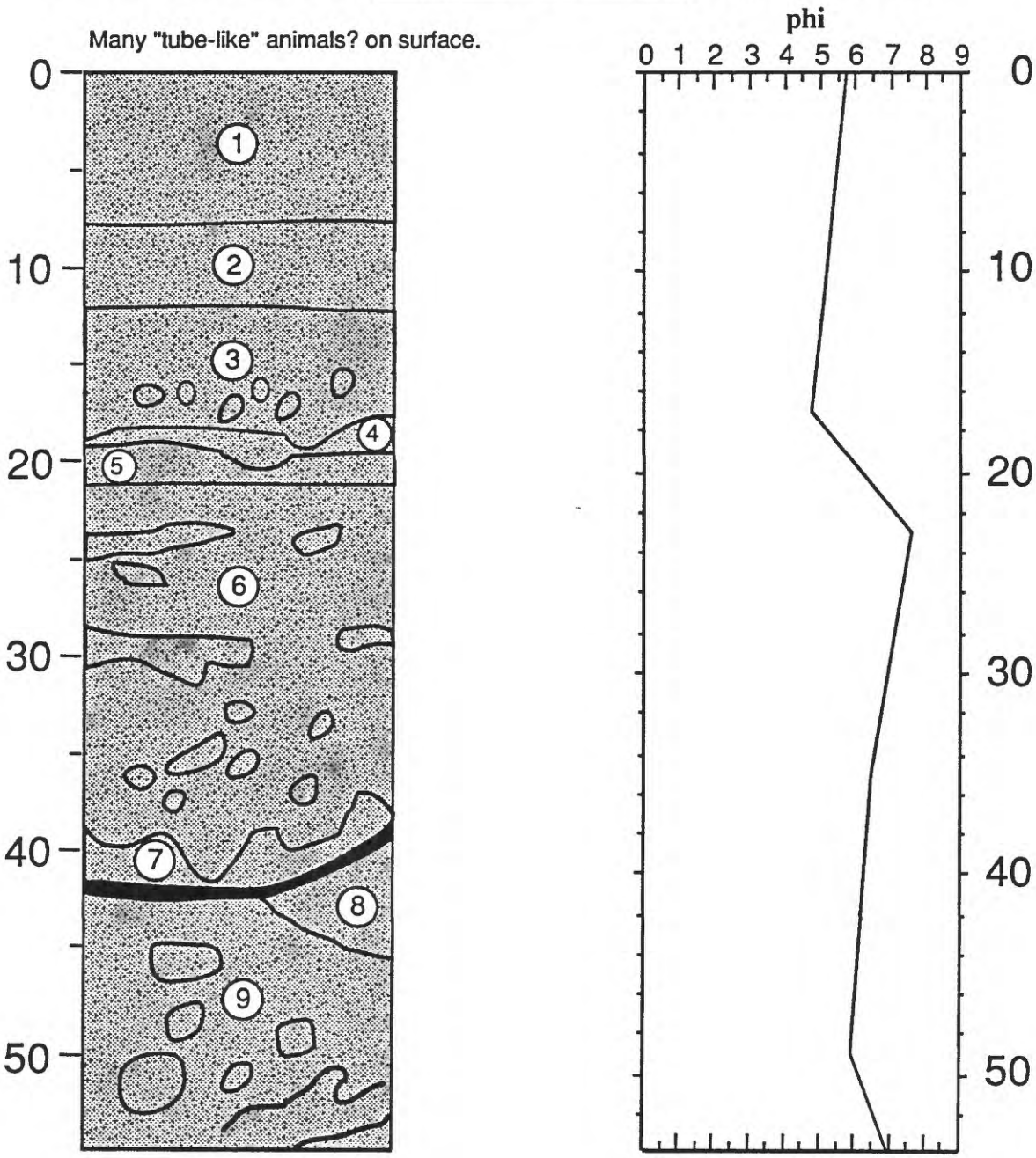
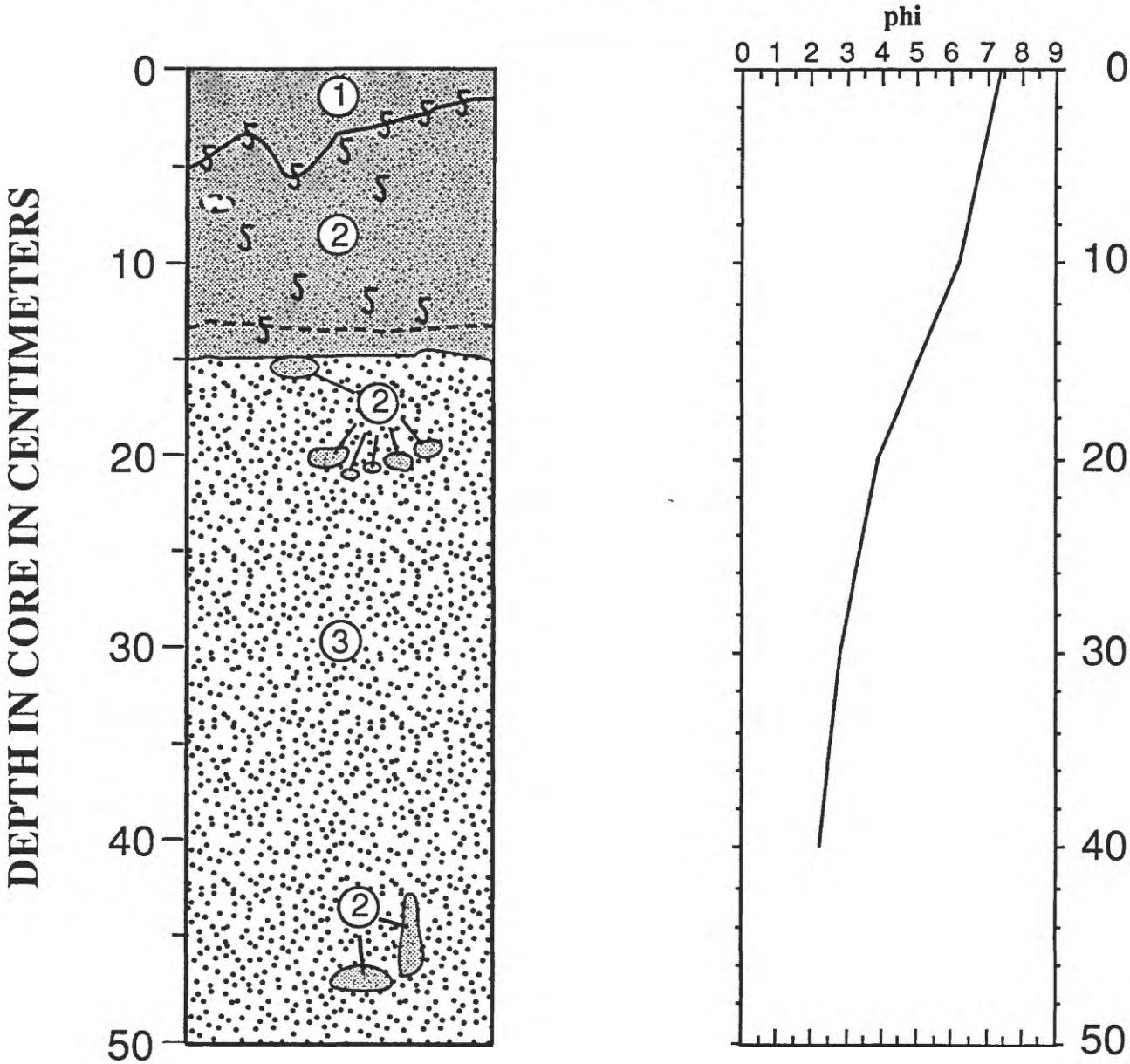


Figure 7 continued.

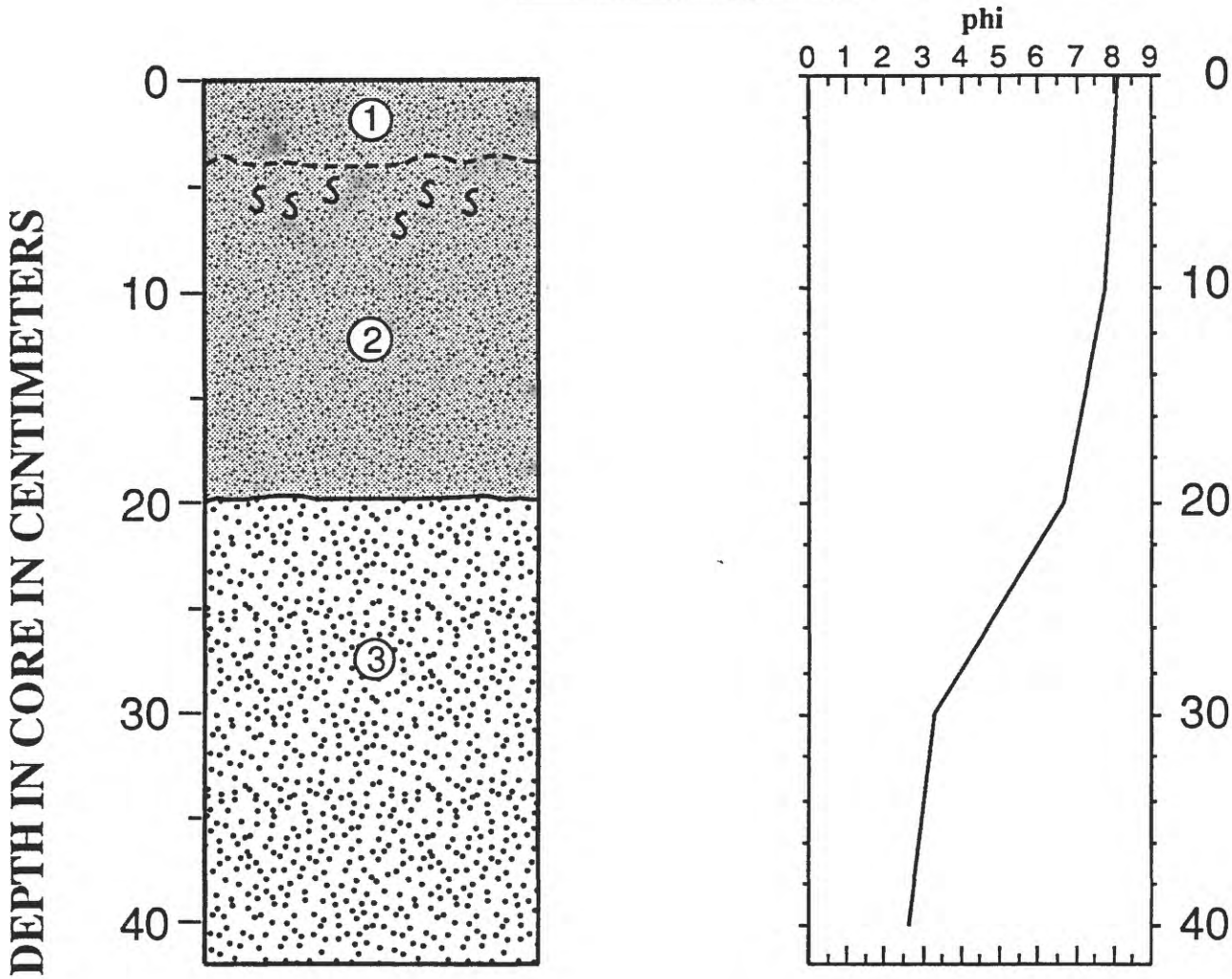
CORE ID: F5-87-B8

WATER DEPTH: 4435 **m (corrected)**



CORE ID: F5-87-B9

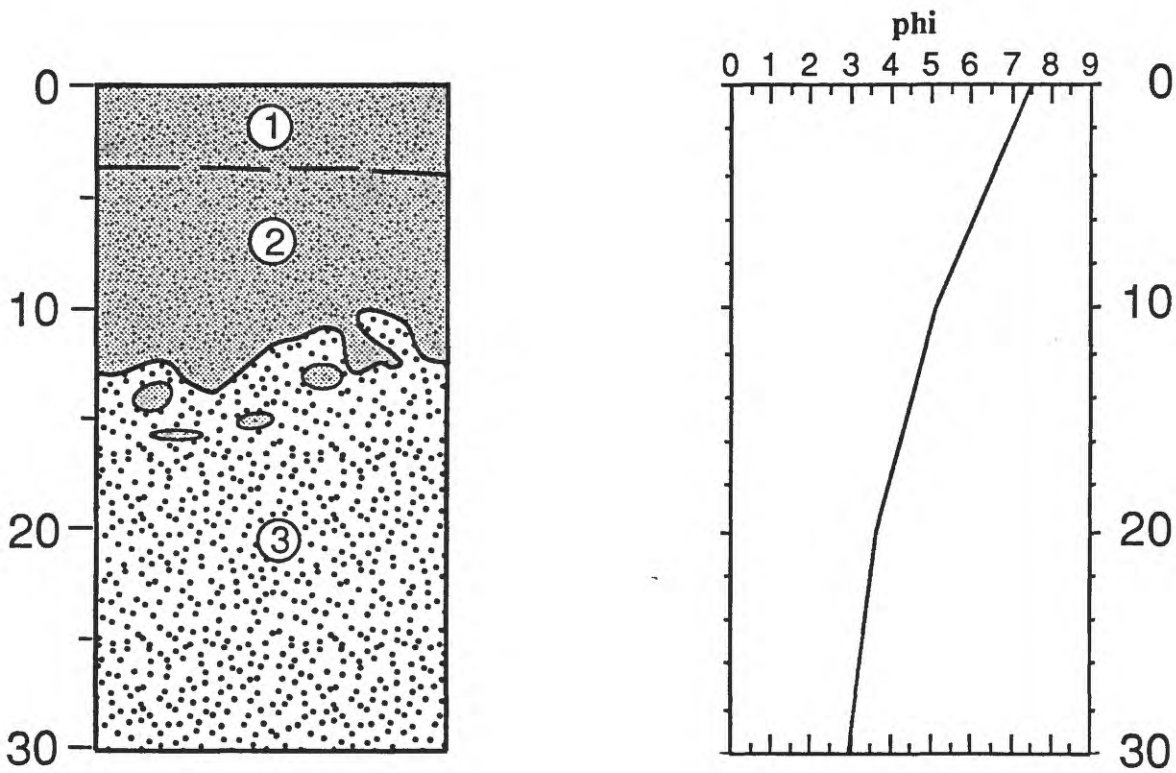
WATER DEPTH: 4430 **m (corrected)**



CORE ID: F5-87-B10

Figure 7 continued.

WATER DEPTH: 4440 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

CORE ID: F5-87-B11

Figure 7 continued.

WATER DEPTH: 4433 **m (corrected)**

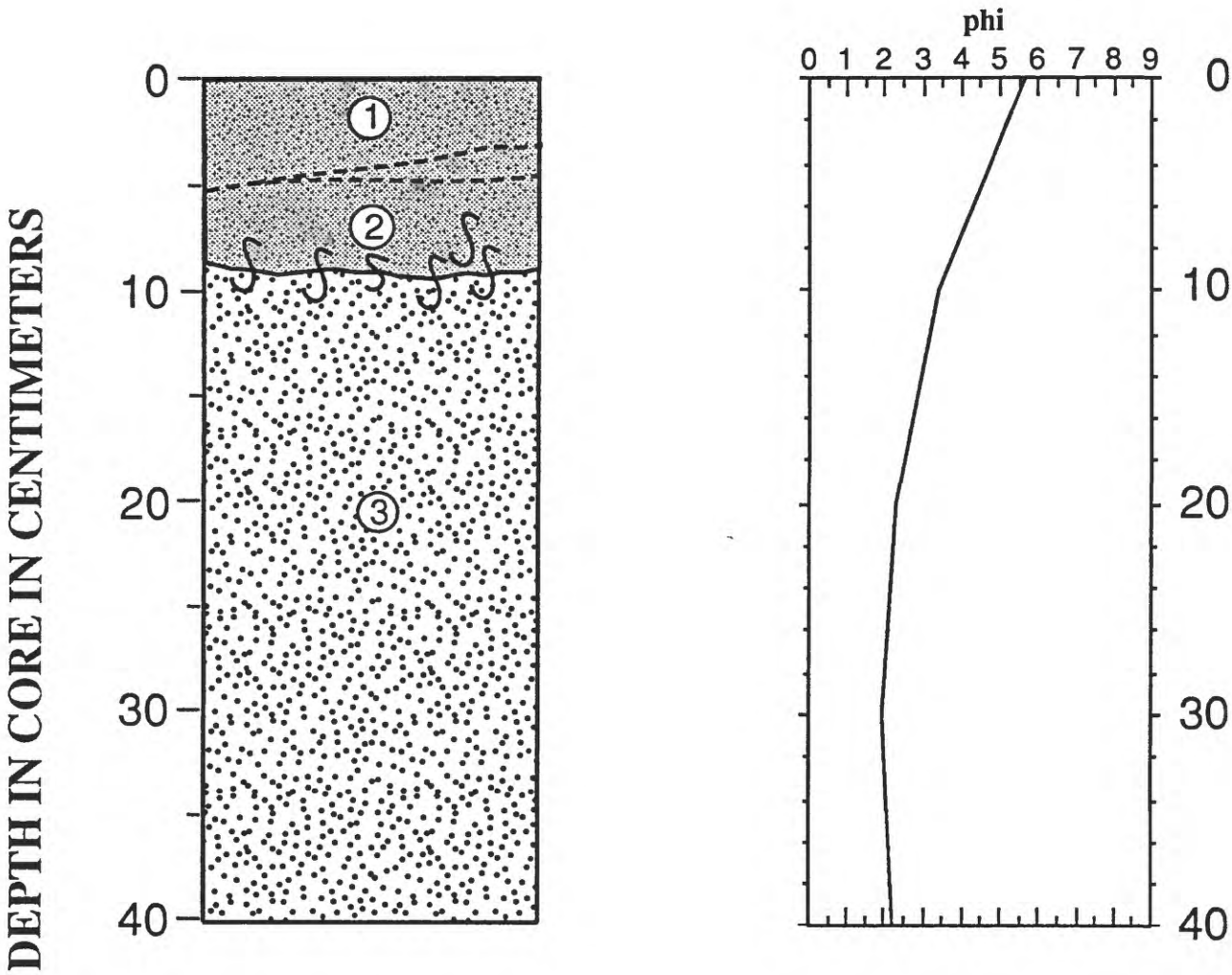


Figure 7 continued.

CORE ID: F1-88-B21

WATER DEPTH: 3562 **m (corrected)**

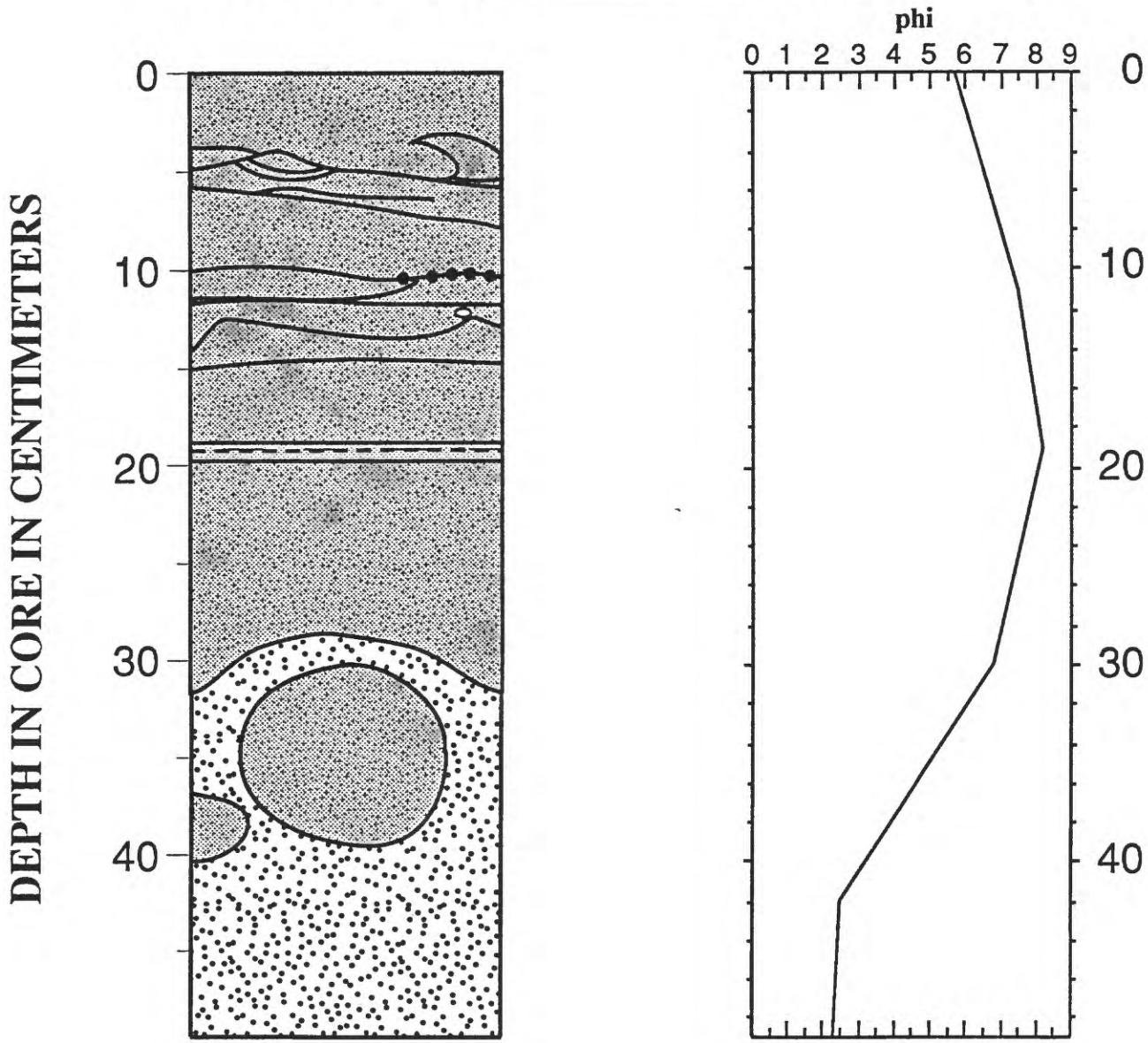
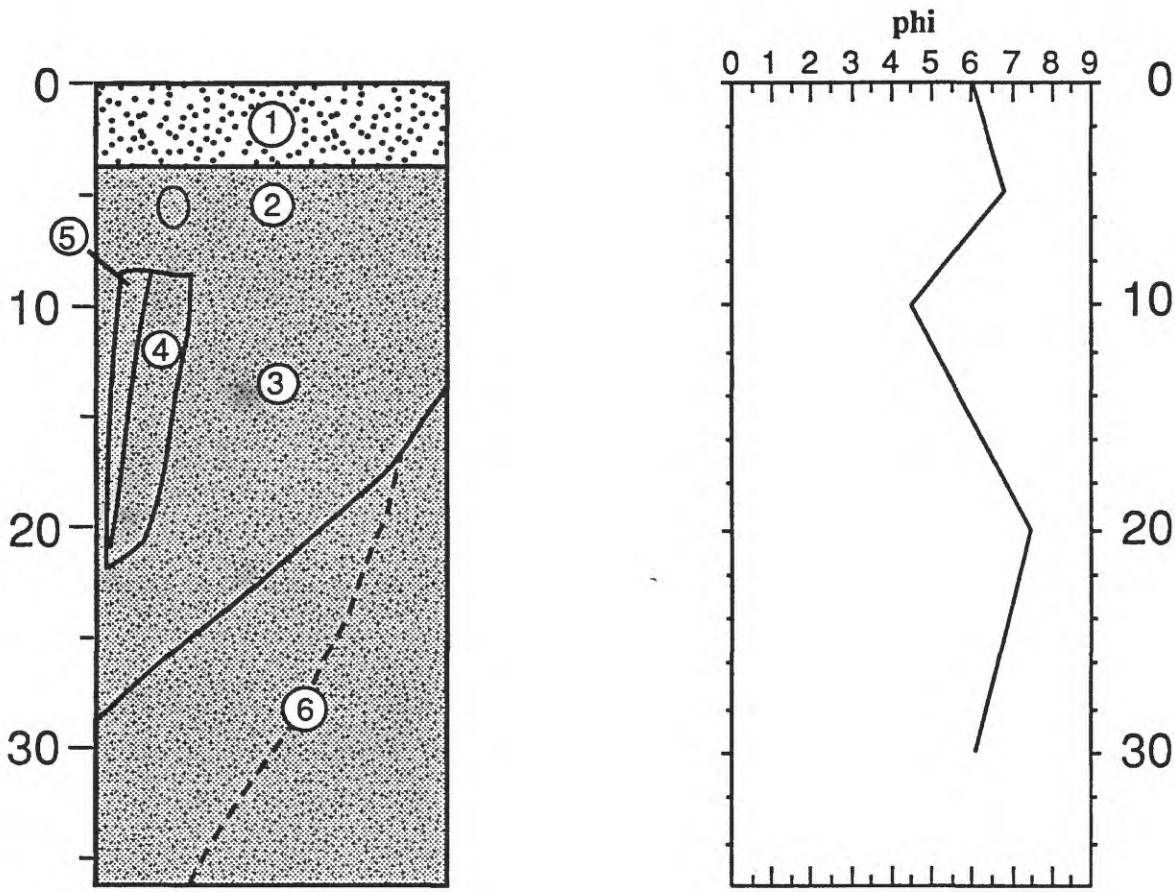


Figure 7 continued.

CORE ID: F1-88-B22

WATER DEPTH: 4441 **m (corrected)**

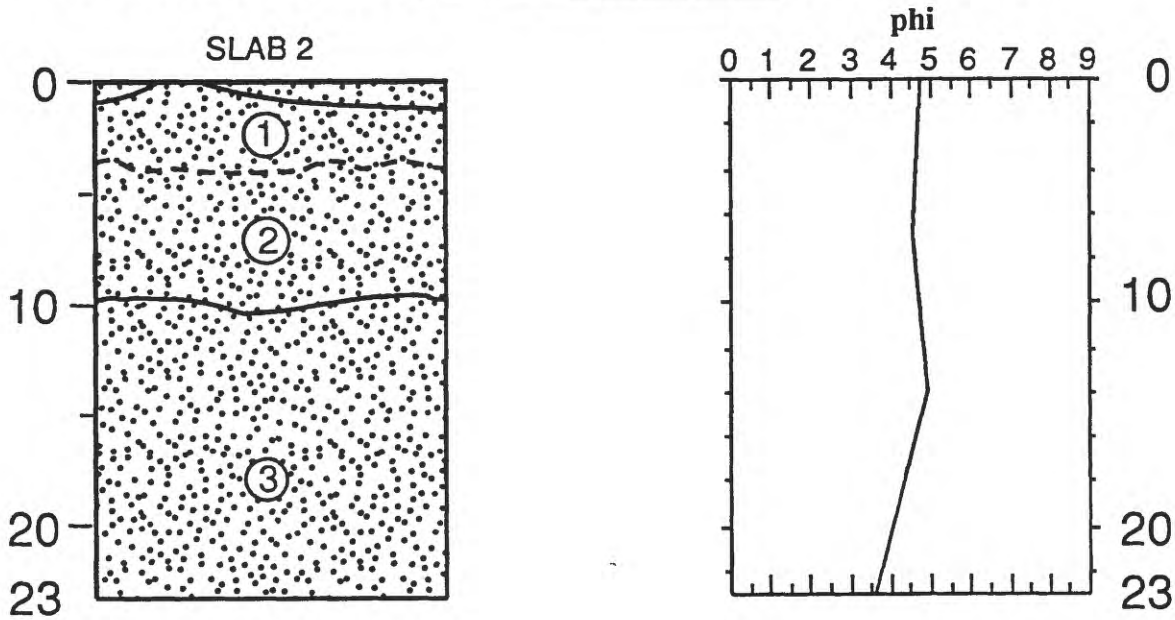


DEPTH IN CORE IN CENTIMETERS

Figure 7 continued.

CORE ID: F1-88-B24

WATER DEPTH: 4364 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

CORE ID: F1-88-B25

WATER DEPTH: 4377 **m (corrected)**

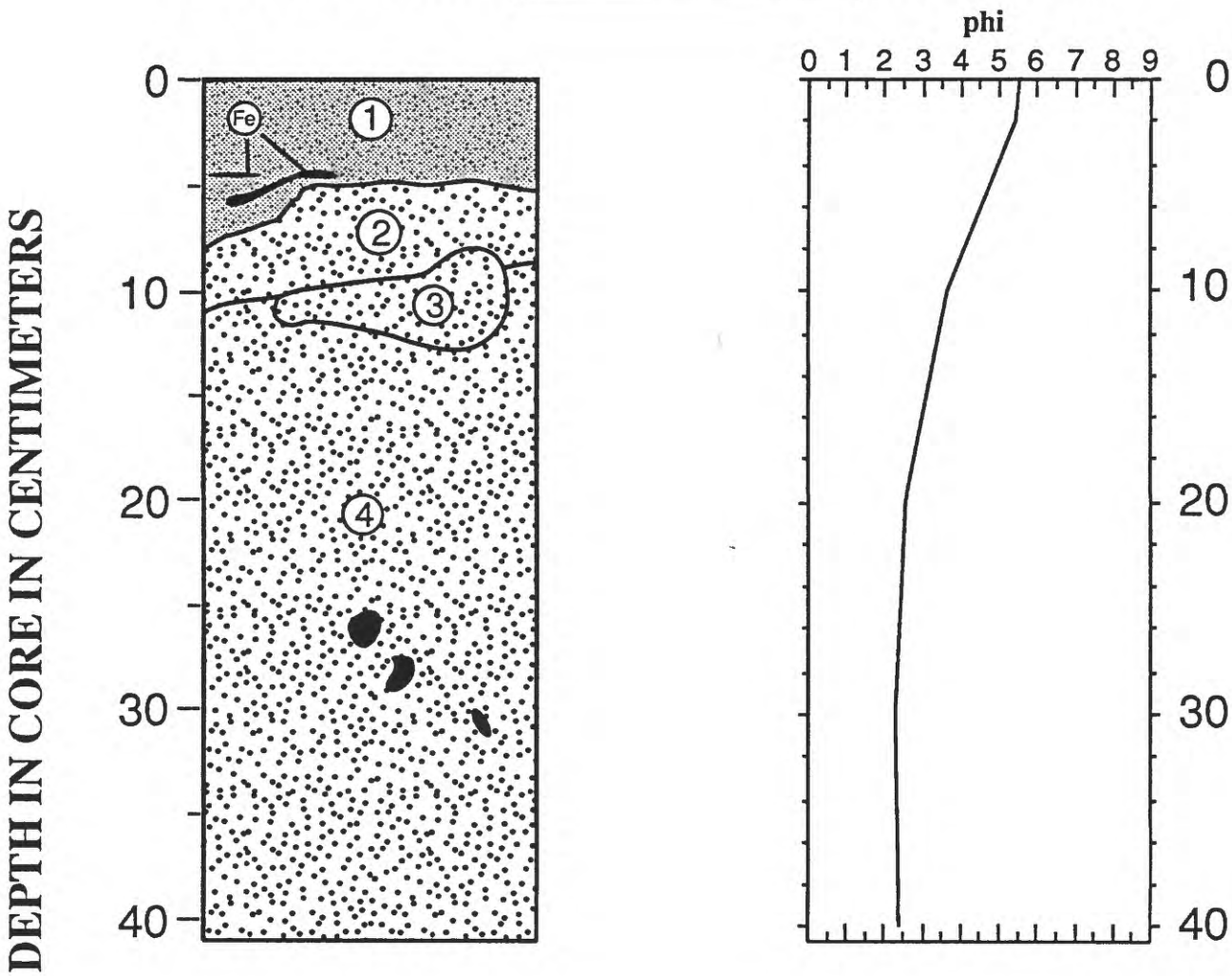
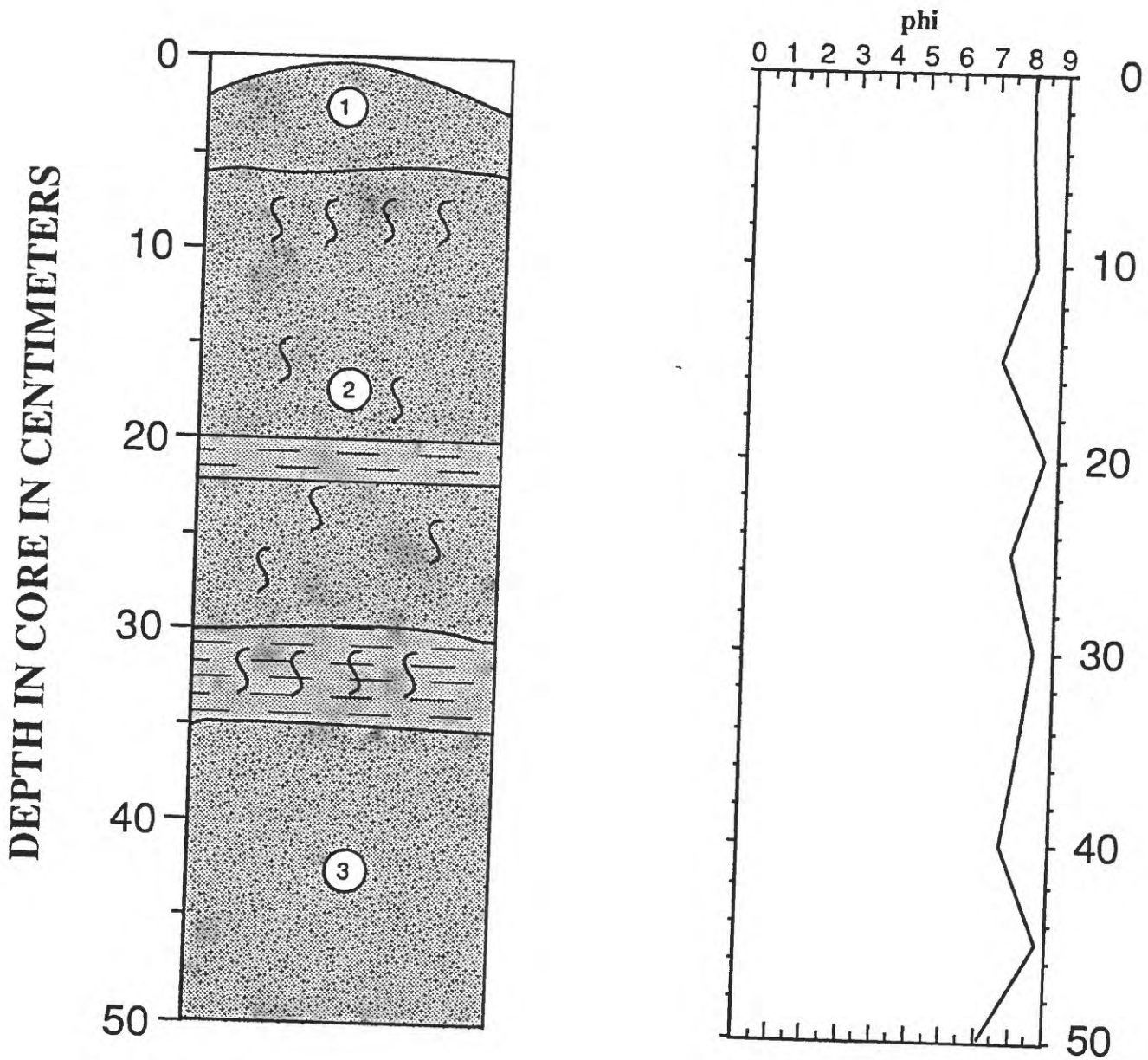


Figure 7 continued.

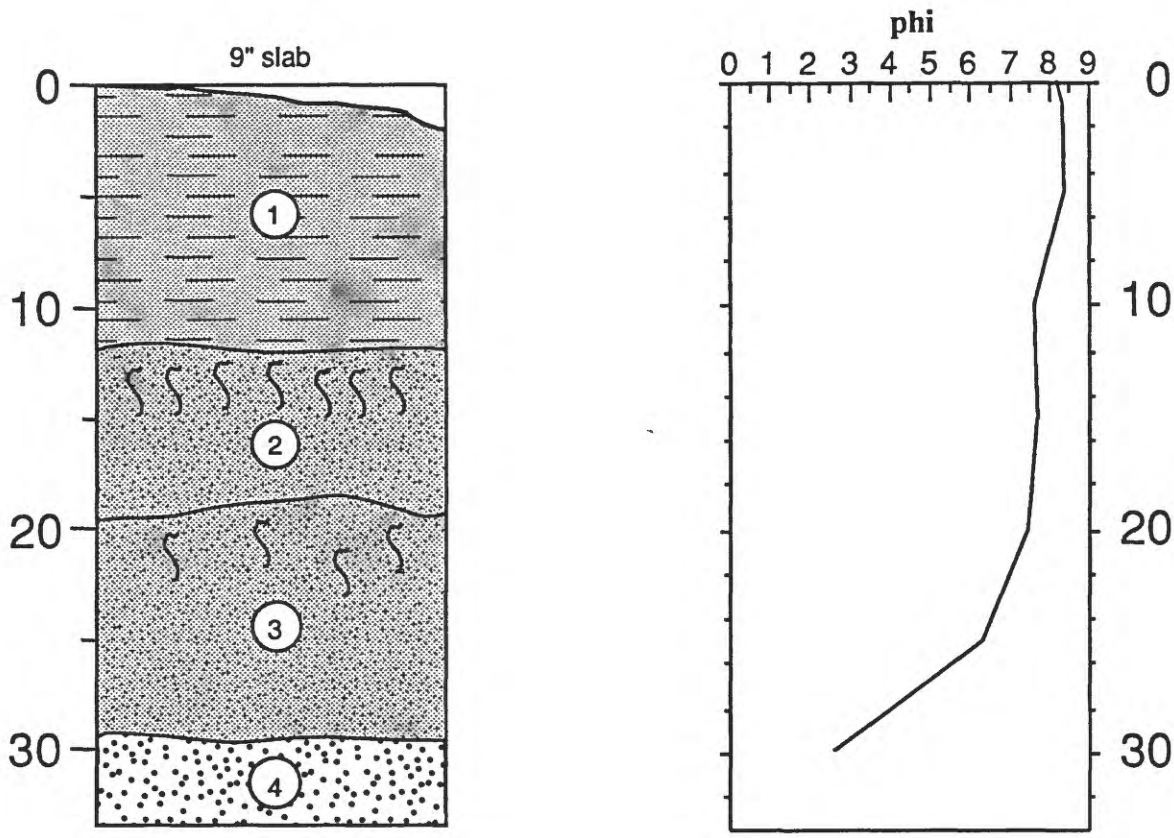
CORE ID: F3-89-B30

WATER DEPTH: 4496 **m (corrected)**



CORE ID: F3-89-B31

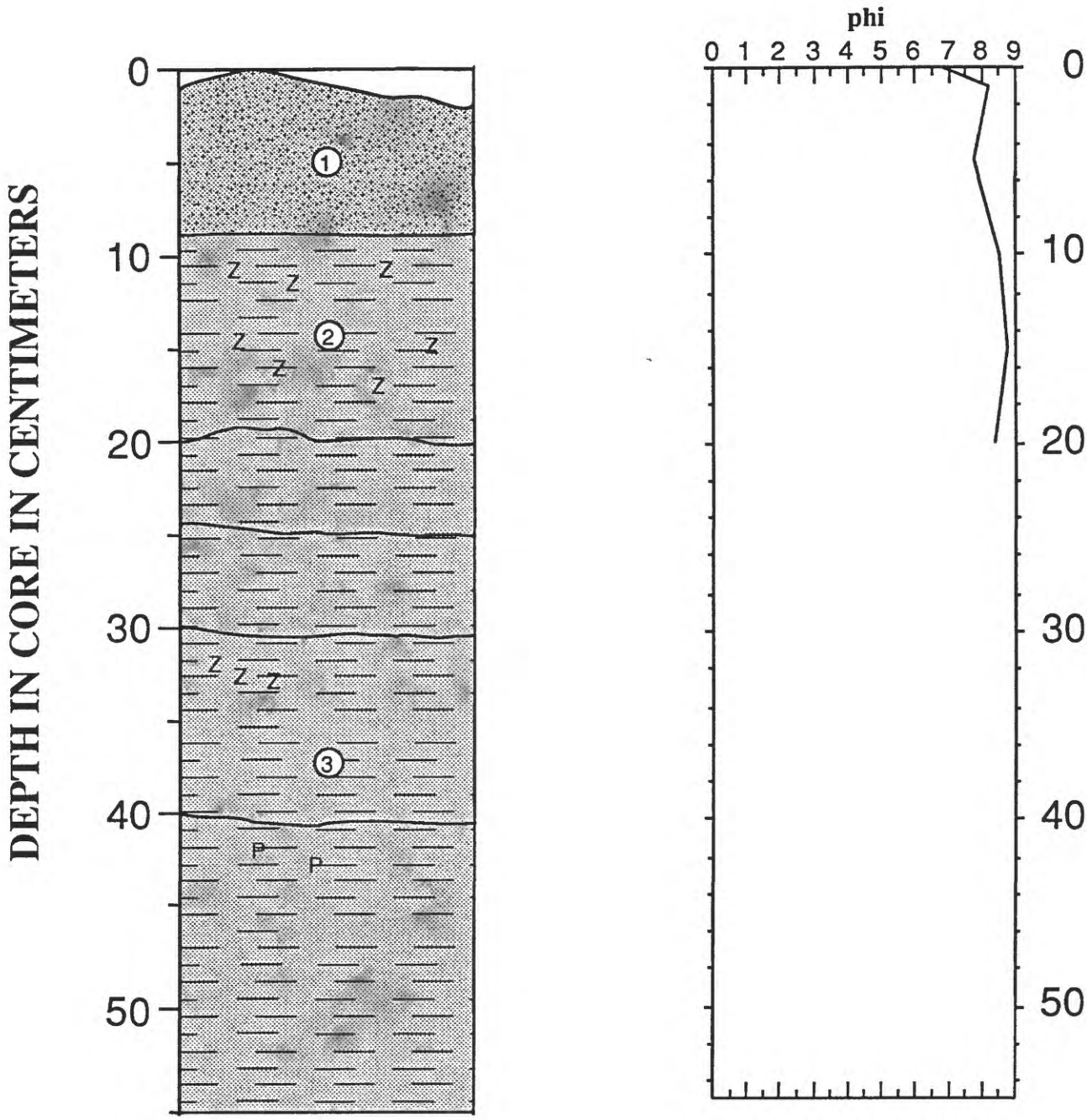
WATER DEPTH: 4495 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

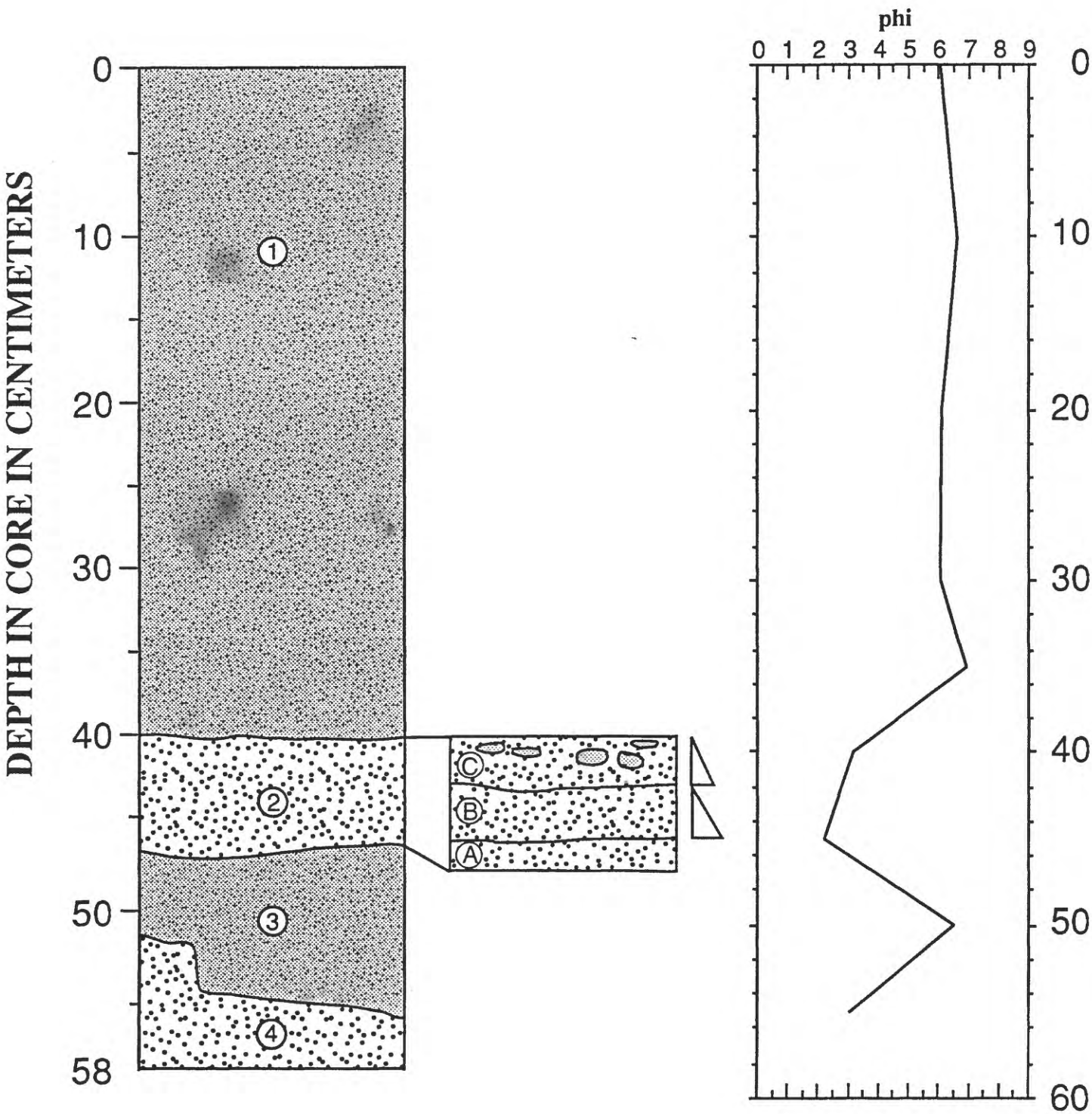
CORE ID: F3-89-B33

WATER DEPTH: 4496 **m (corrected)**



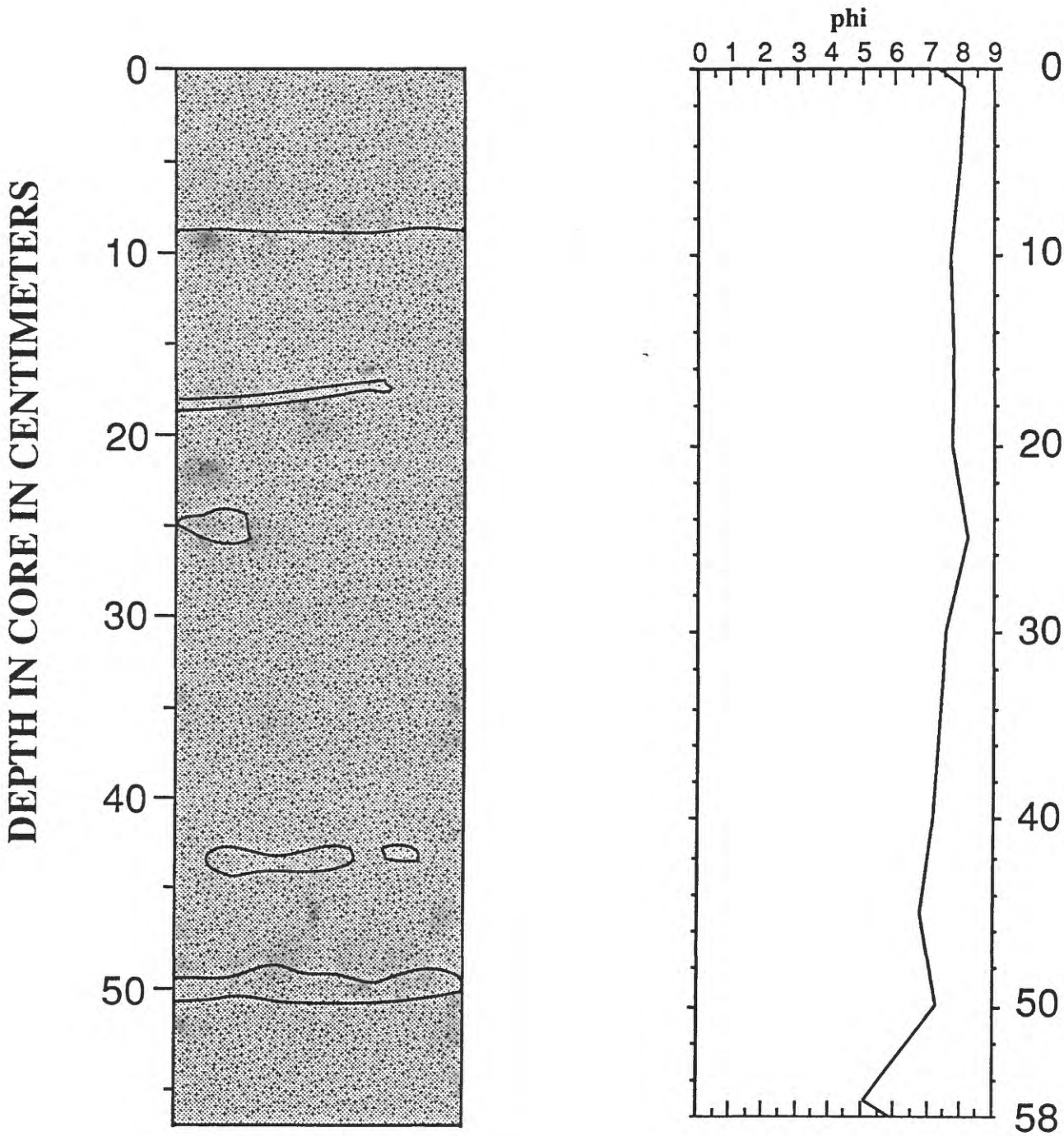
CORE ID: F3-89-B34

WATER DEPTH: 4338 **m (corrected)**



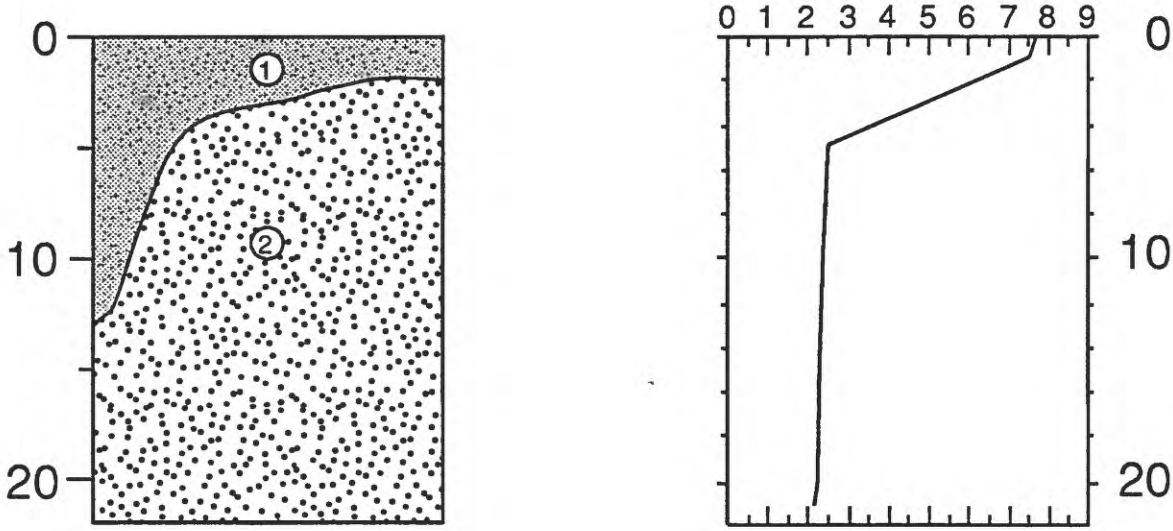
CORE ID: F3-89-B35

WATER DEPTH: 4284 **m (corrected)**



CORE ID: F3-89-B36

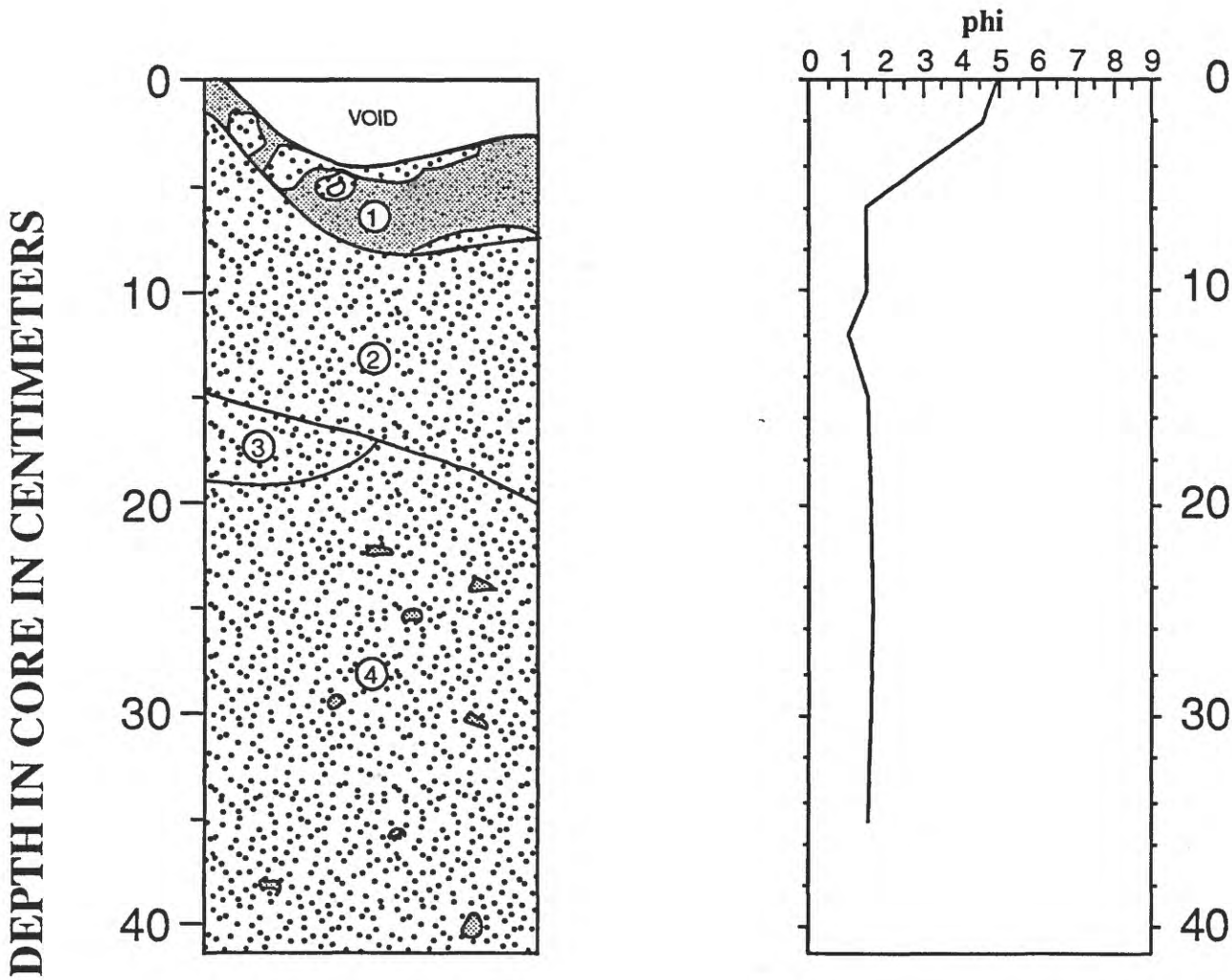
WATER DEPTH: 3921 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

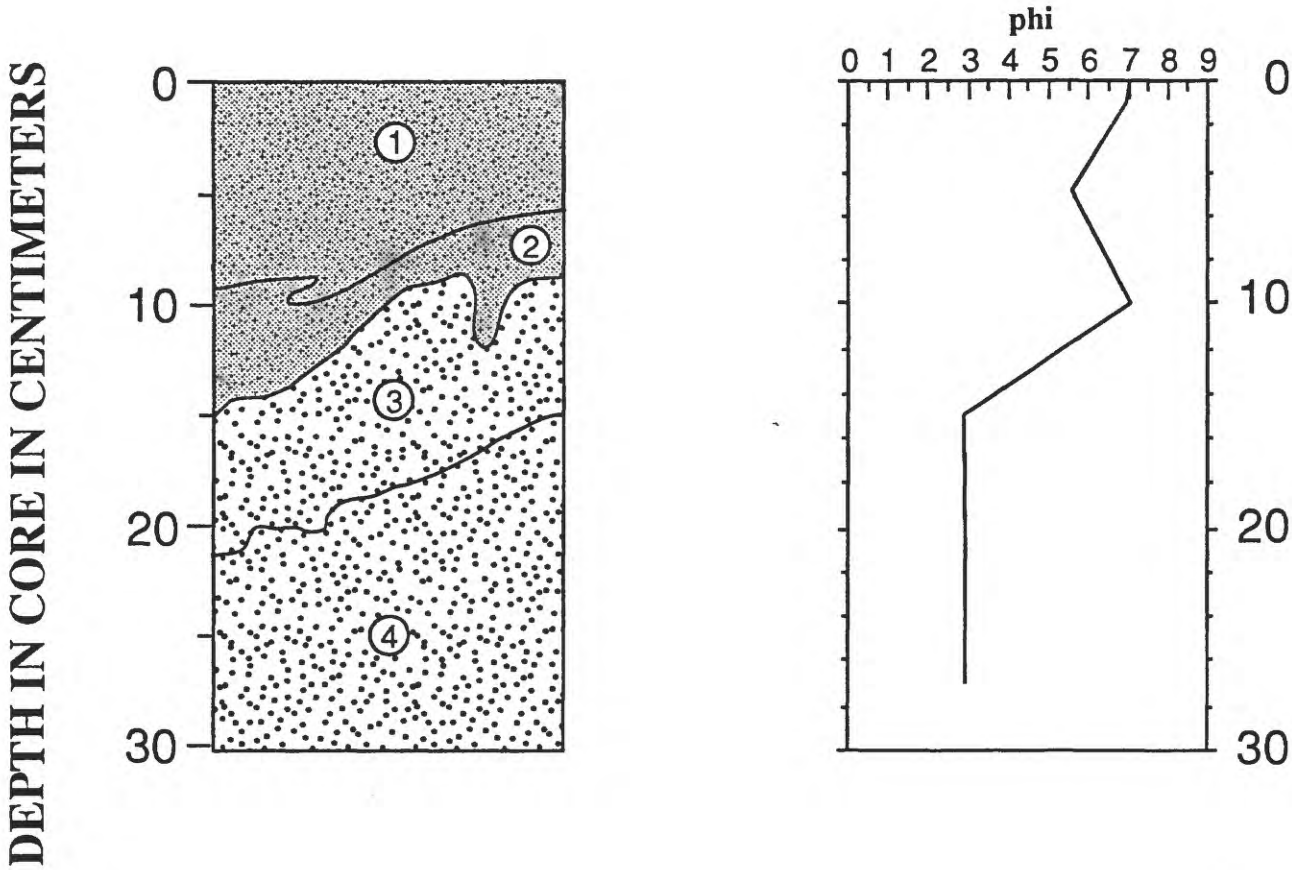
CORE ID: F3-89-B37

WATER DEPTH: 3820 **m (corrected)**



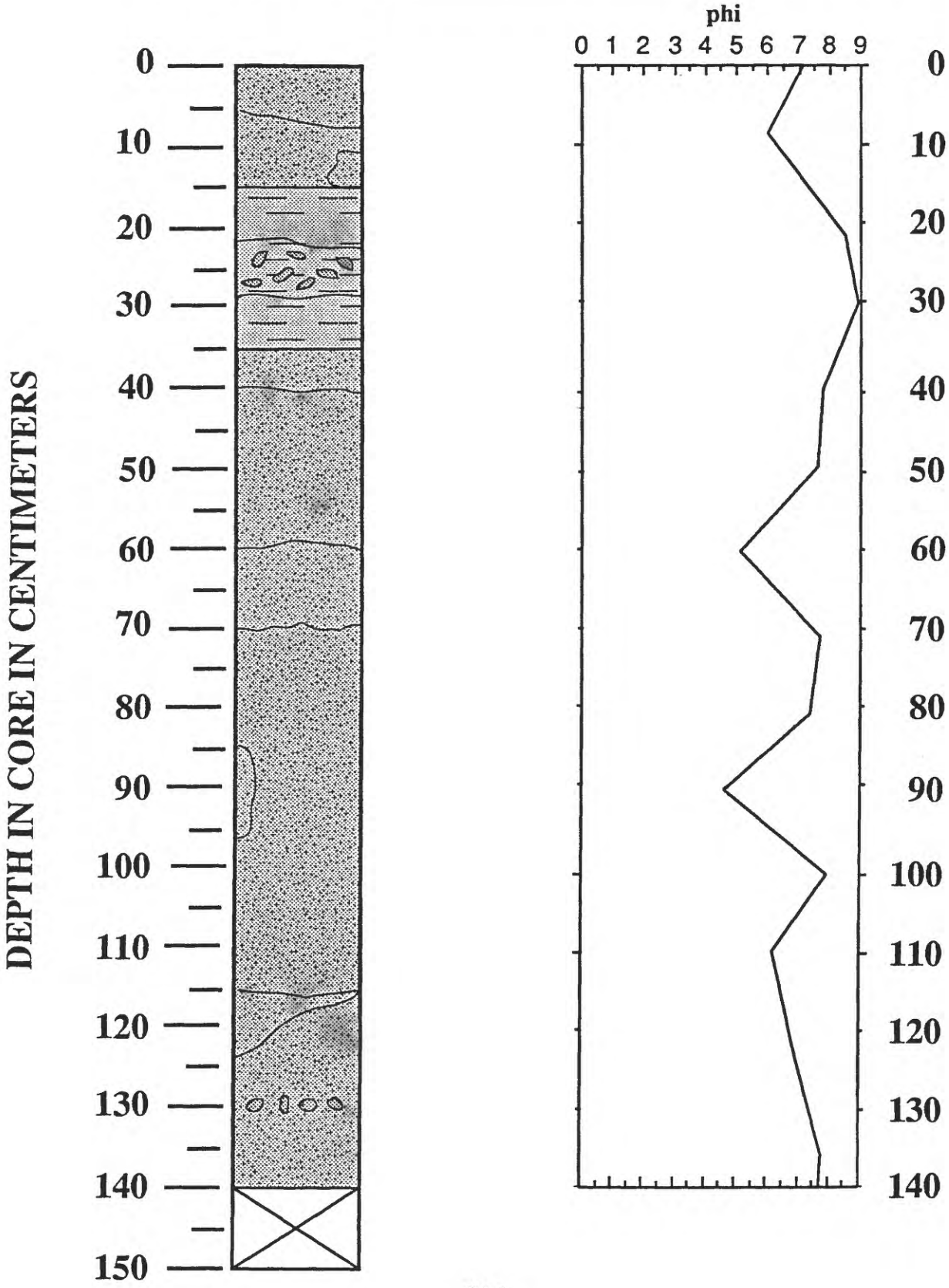
CORE ID: F3-89-B38

WATER DEPTH: 3631 **m (corrected)**



CORE ID: F3-89-P30-1

WATER DEPTH: 4396 **m (corrected)**



CORE ID: F3-89-P30-2

WATER DEPTH: 4396 **m (corrected)**

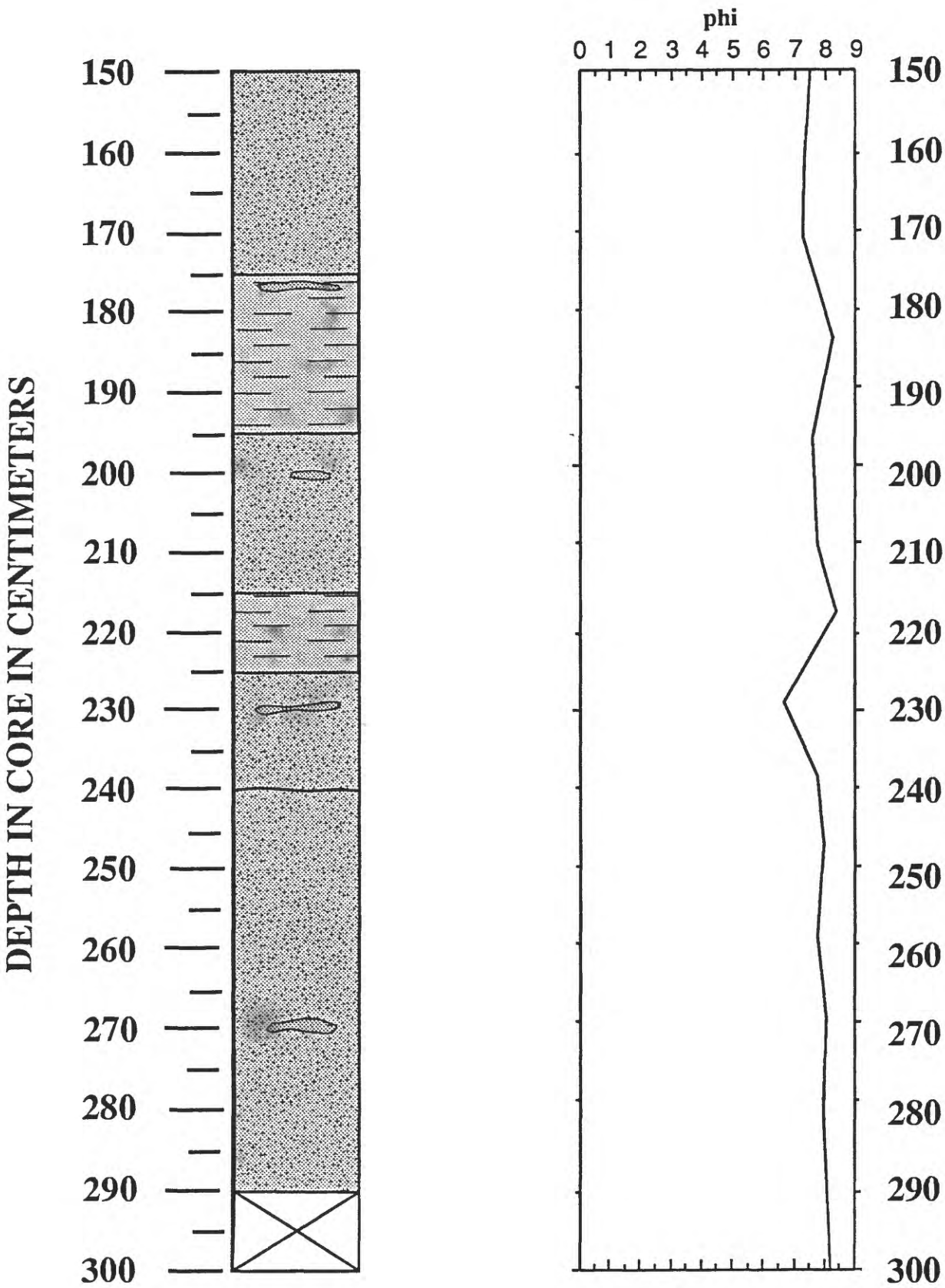


Figure 7 continued.

CORE ID: F3-89-P30-3

WATER DEPTH: 4396 **m (corrected)**

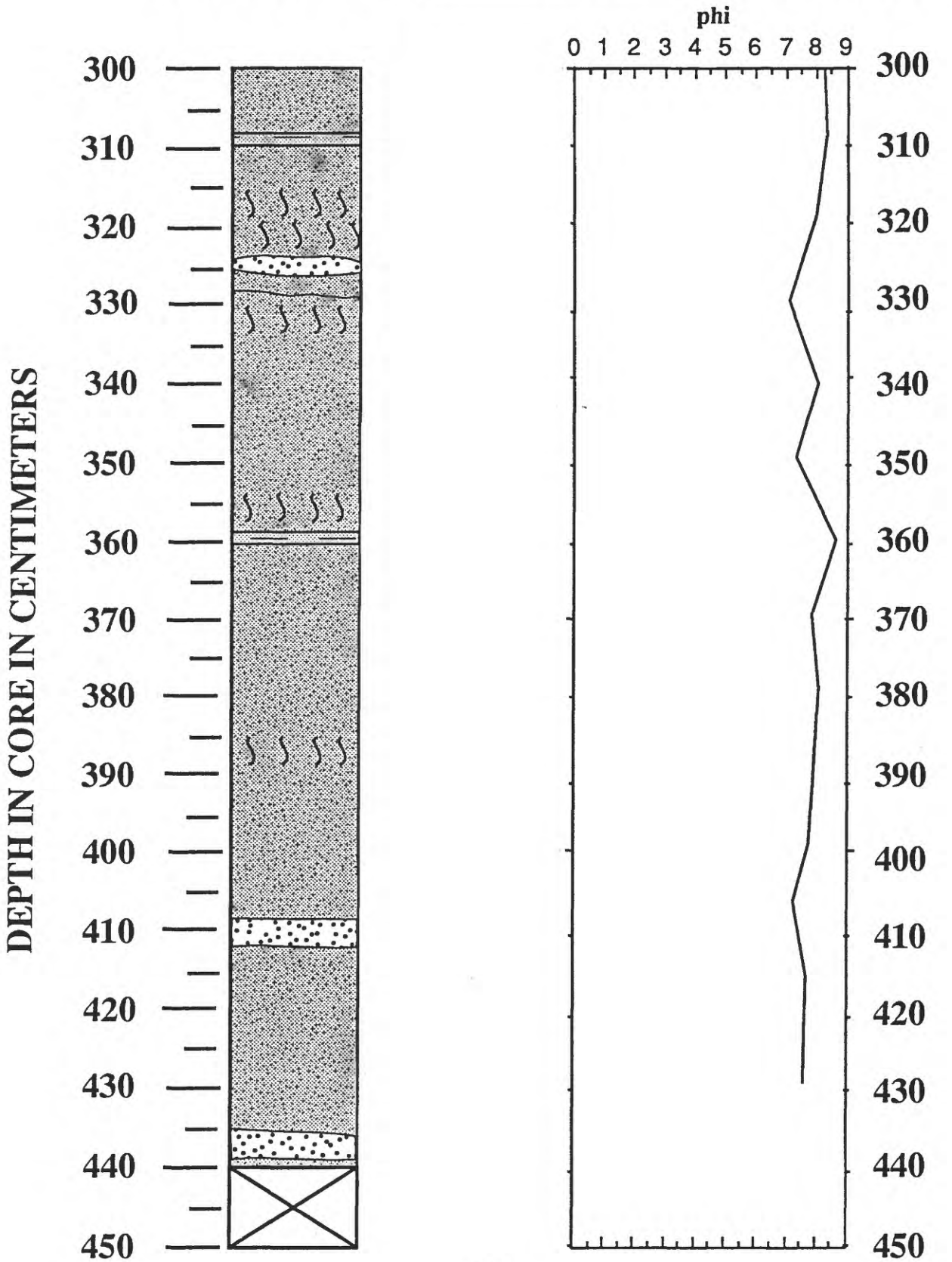


Figure 7 continued.

CORE ID: F3-89-P31-1

WATER DEPTH: 4452 **m (corrected)**

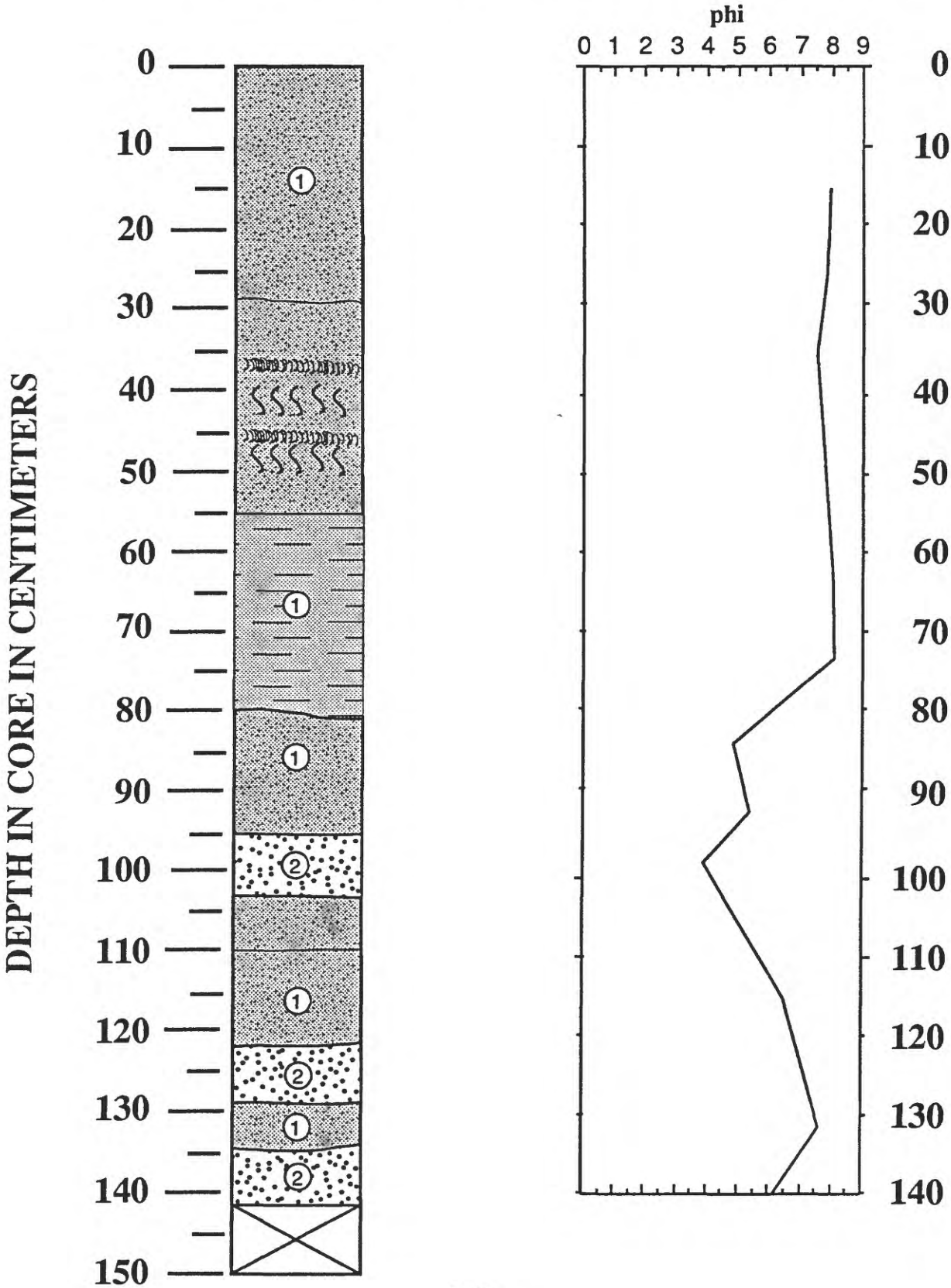


Figure 7 continued.

CORE ID: F3-89-P31-2

WATER DEPTH: 4452 **m (corrected)**

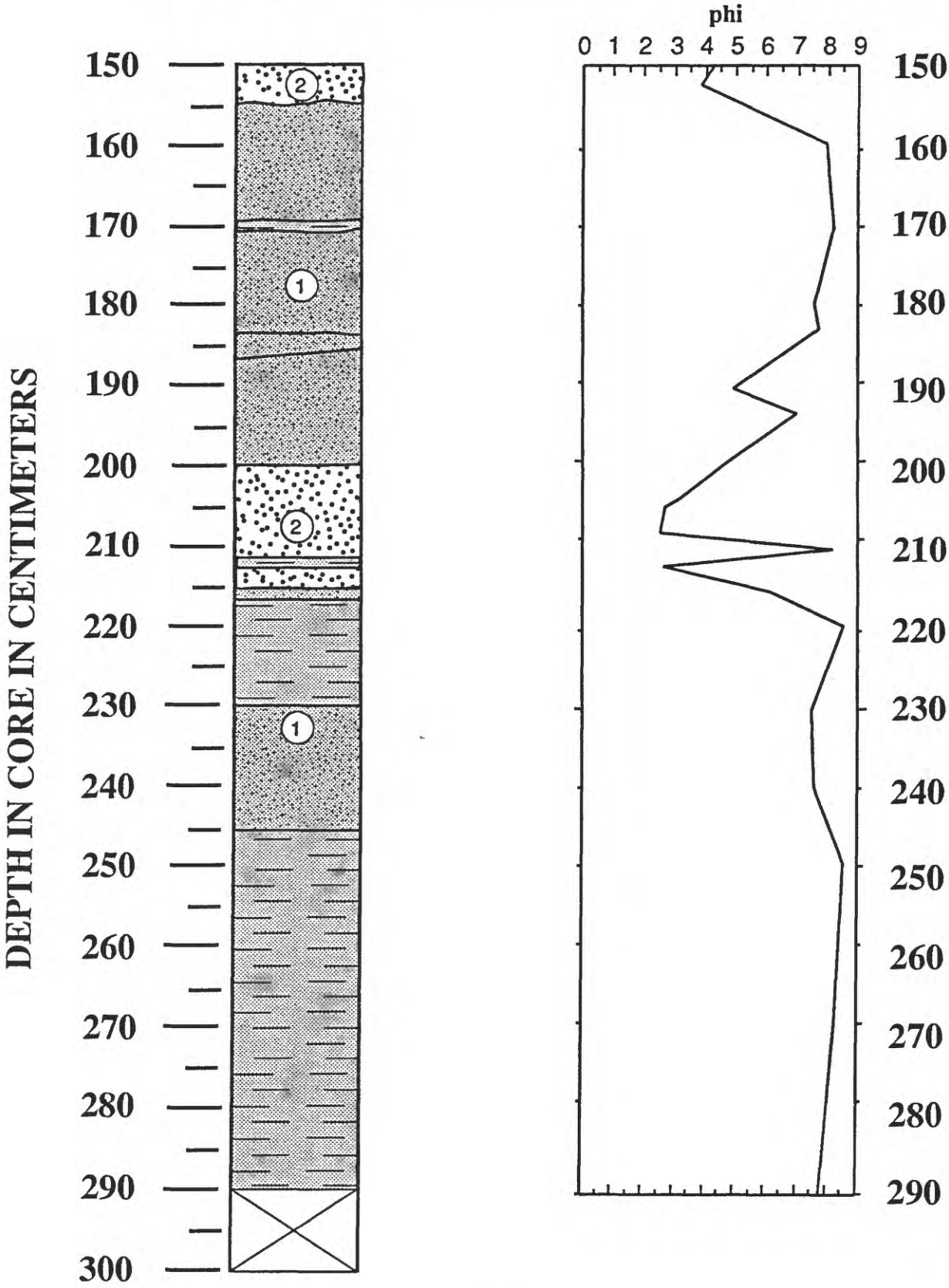
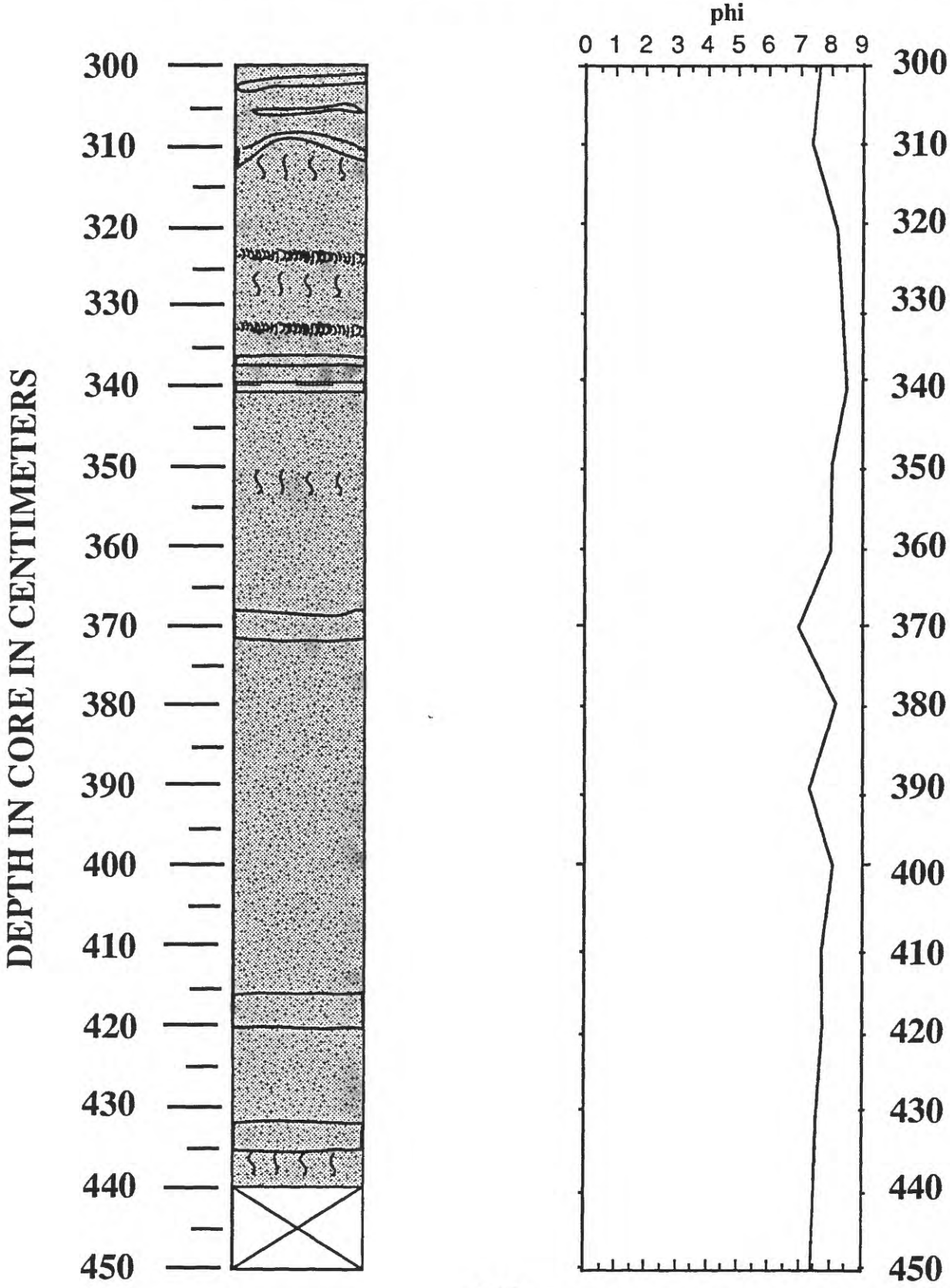


Figure 7 continued.

CORE ID: F3-89-P31-3

WATER DEPTH: 4452 **m (corrected)**



CORE ID: F3-89-P31-4

WATER DEPTH: 4452 **m (corrected)**

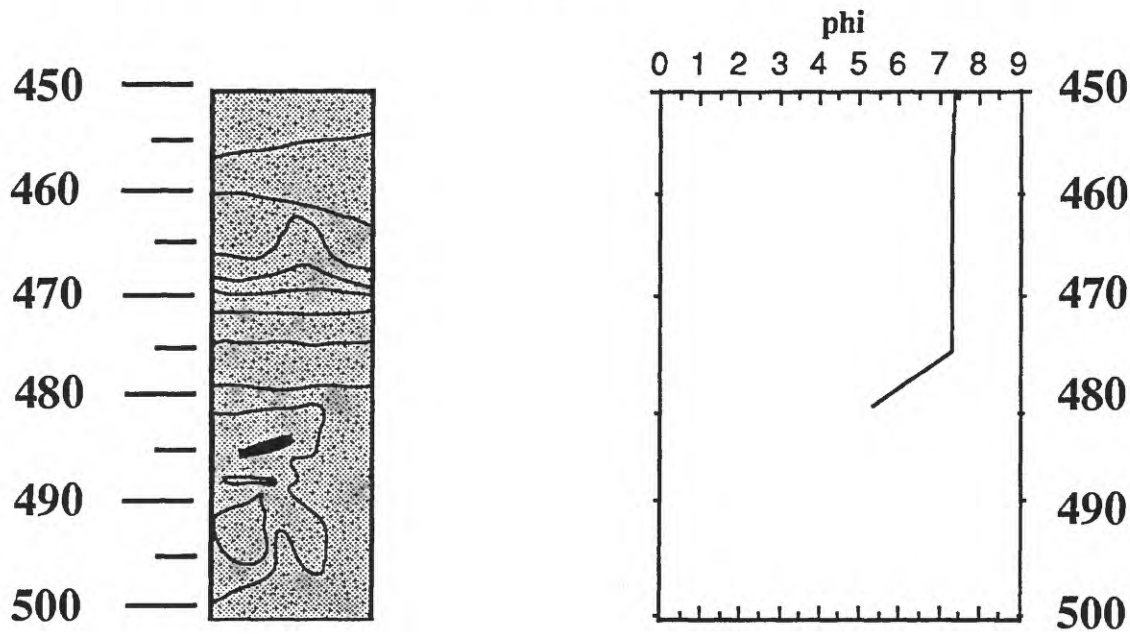
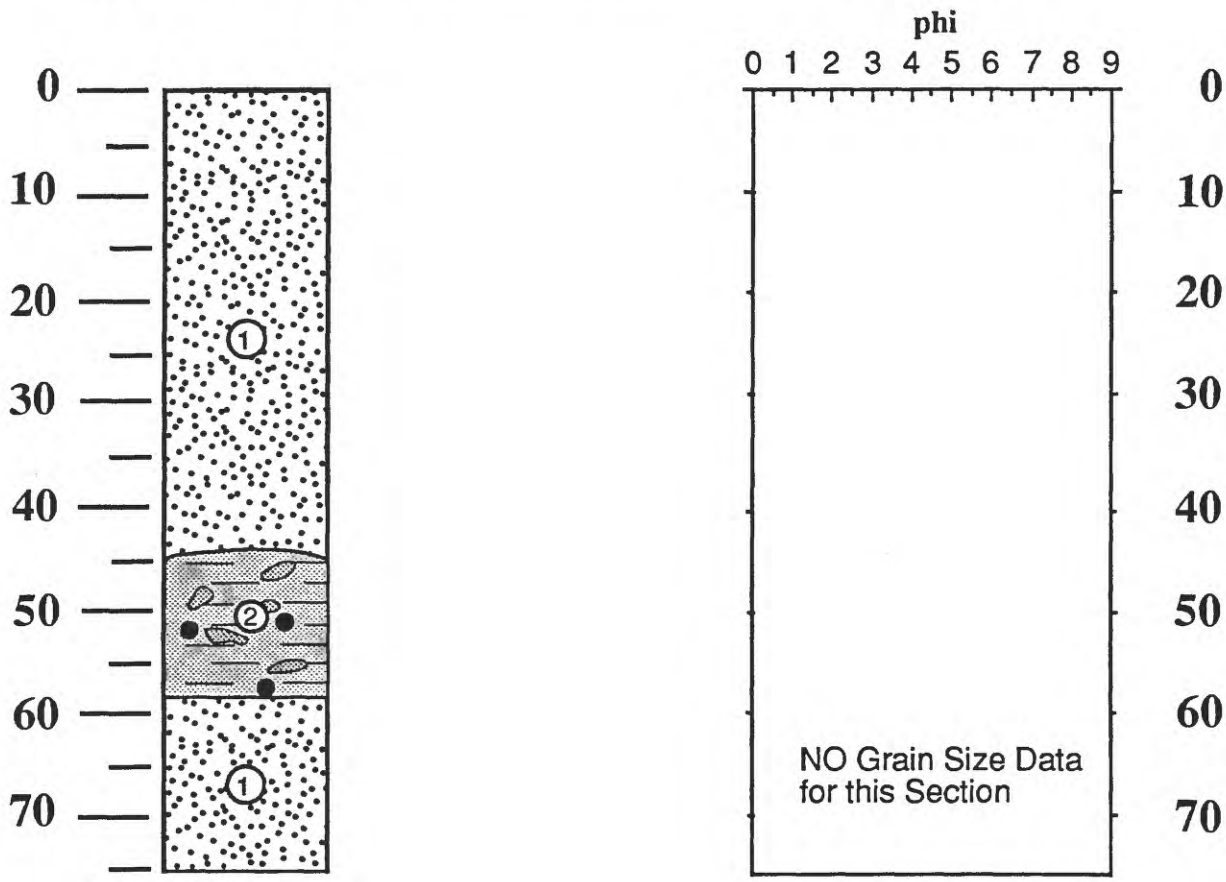


Figure 7 continued.

CORE ID: F3-89-P34

WATER DEPTH: 4440 **m (corrected)**

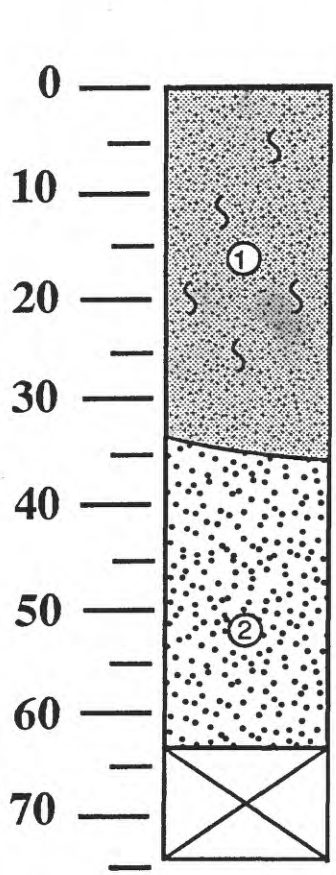


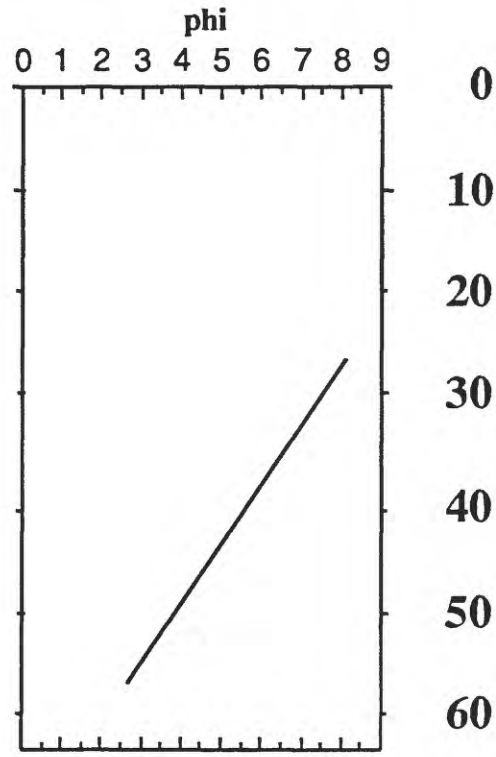
DEPTH IN CORE IN CENTIMETERS

Figure 7 continued.

CORE ID: F3-89-P37

WATER DEPTH: 4443 **m (corrected)**





DEPTH IN CORE IN CENTIMETERS

Figure 7 continued.

CORE ID: F3-89-P38-1

WATER DEPTH: 4378 **m (corrected)**

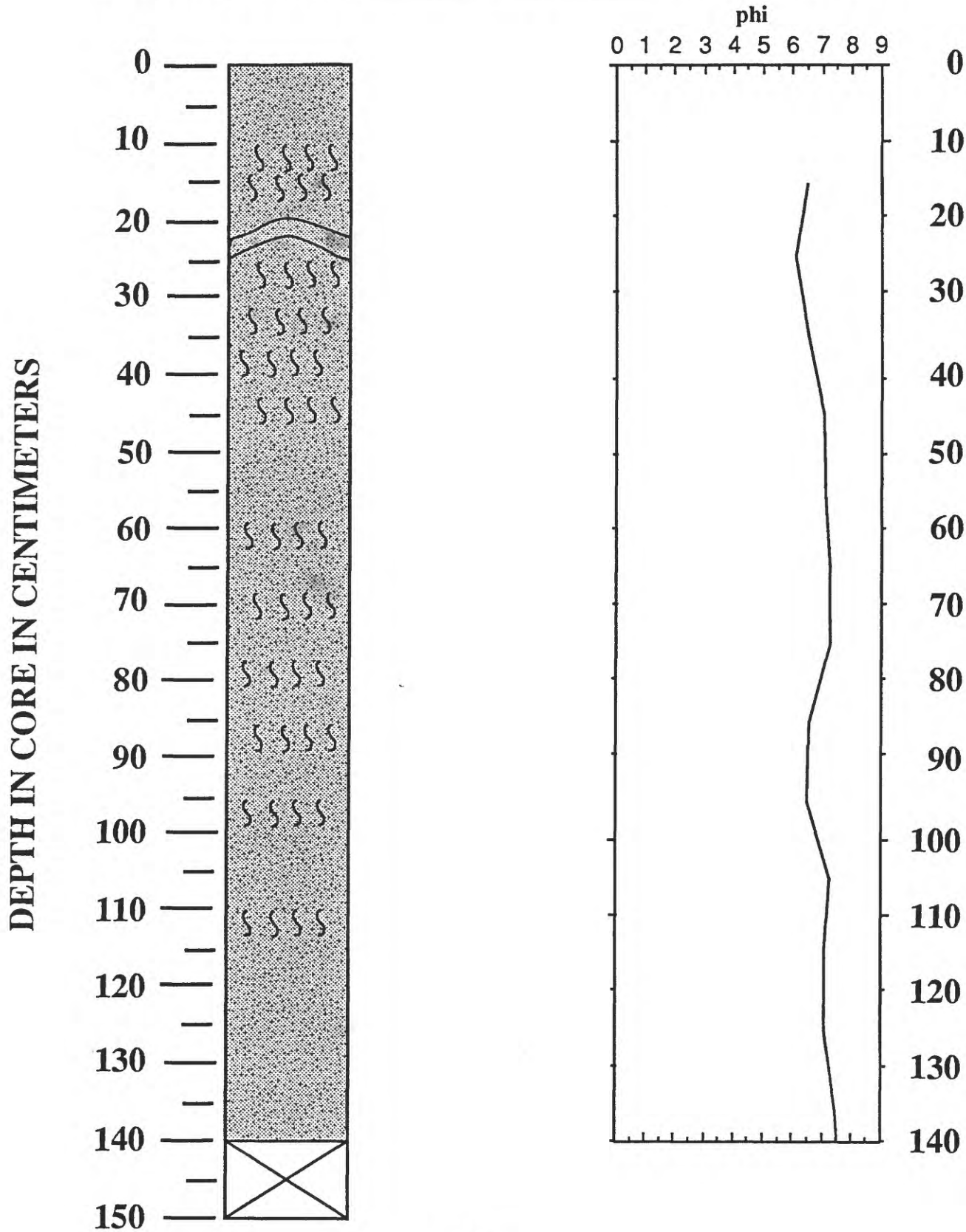


Figure 7 continued.

CORE ID: F3-89-P38-2

WATER DEPTH: 4378 **m (corrected)**

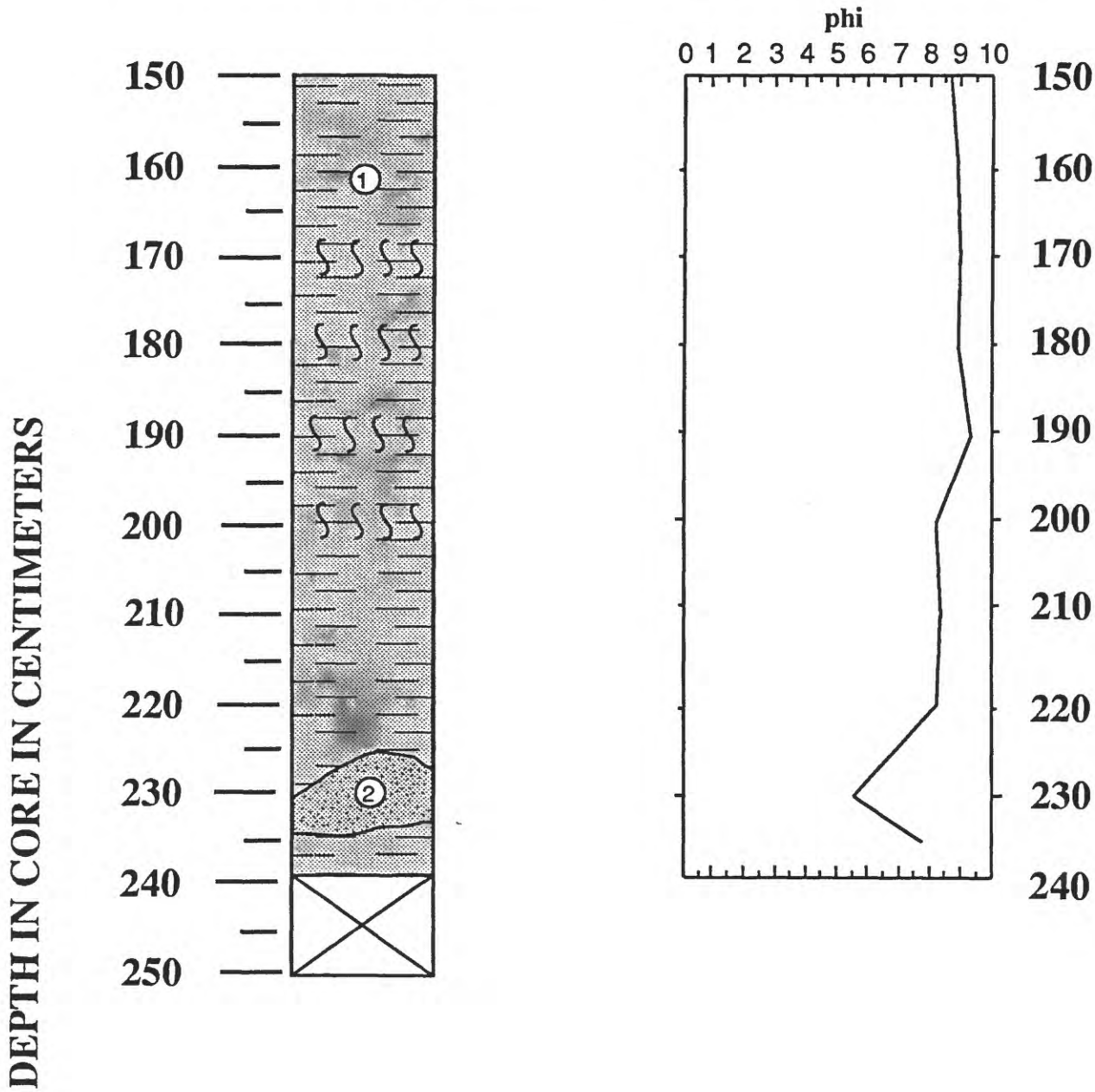


Figure 7 continued.

CORE ID: F3-89-P39-1

WATER DEPTH: 4470 **m (corrected)**

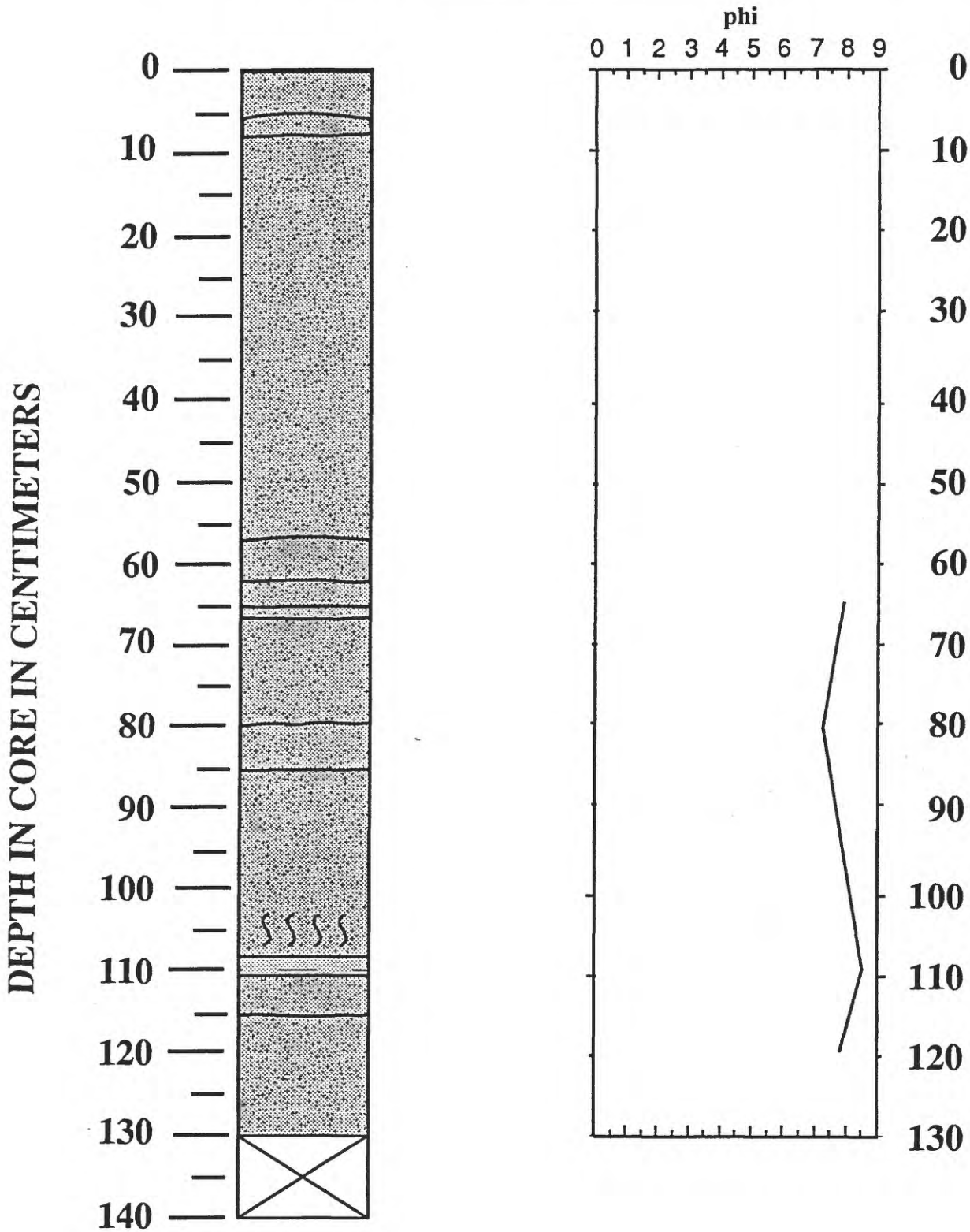


Figure 7 continued.

CORE ID: F3-89-P39-2

WATER DEPTH: 4470 **m (corrected)**

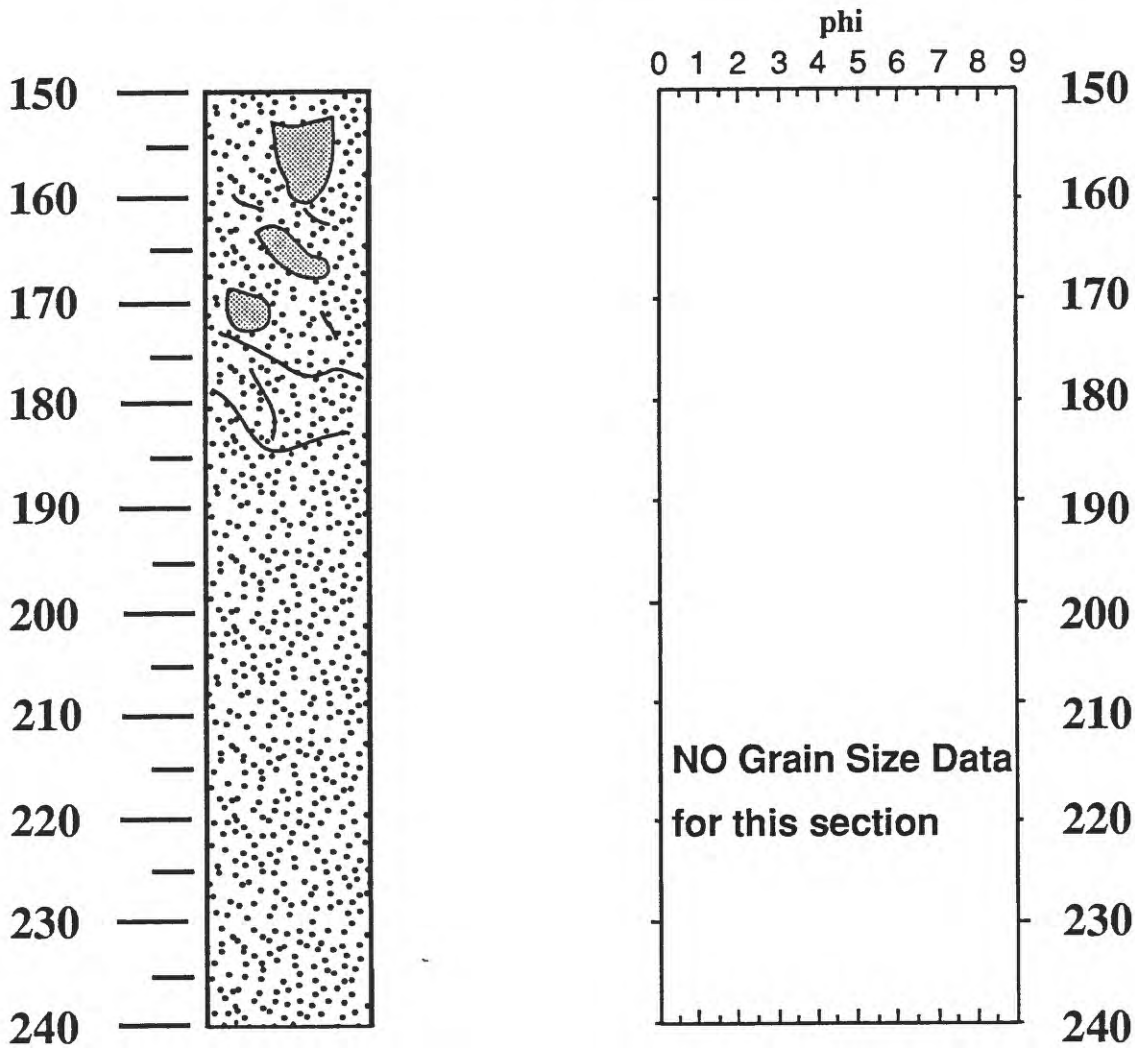
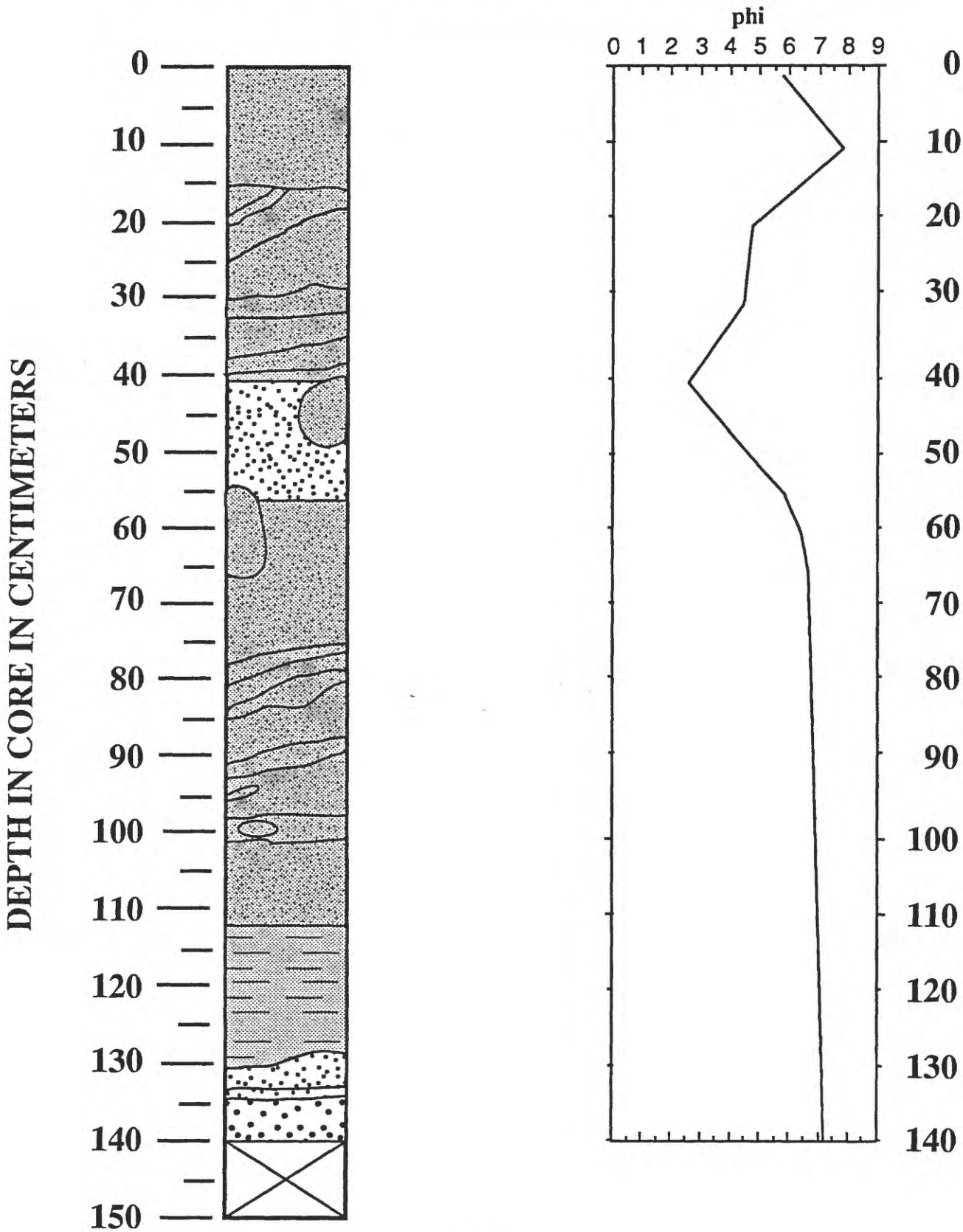


Figure 7 continued.

CORE ID: F3-89-P40-1

WATER DEPTH: 4447 **m (corrected)**



CORE ID: F3-89-P40-2

WATER DEPTH: 4447 **m (corrected)**

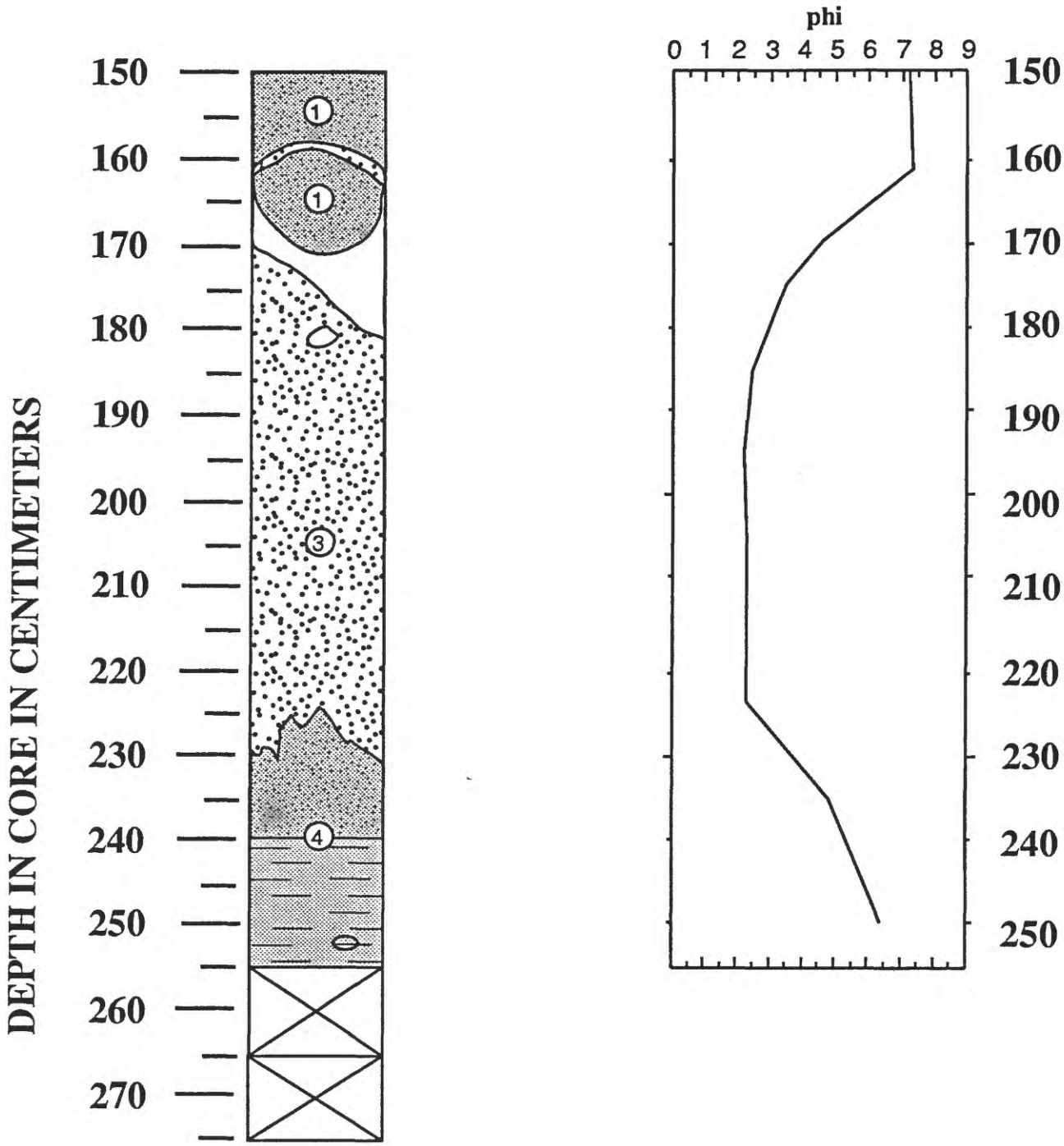


Figure 7 continued.

CORE ID: F3-89-P44

WATER DEPTH: 4451 **m (corrected)**

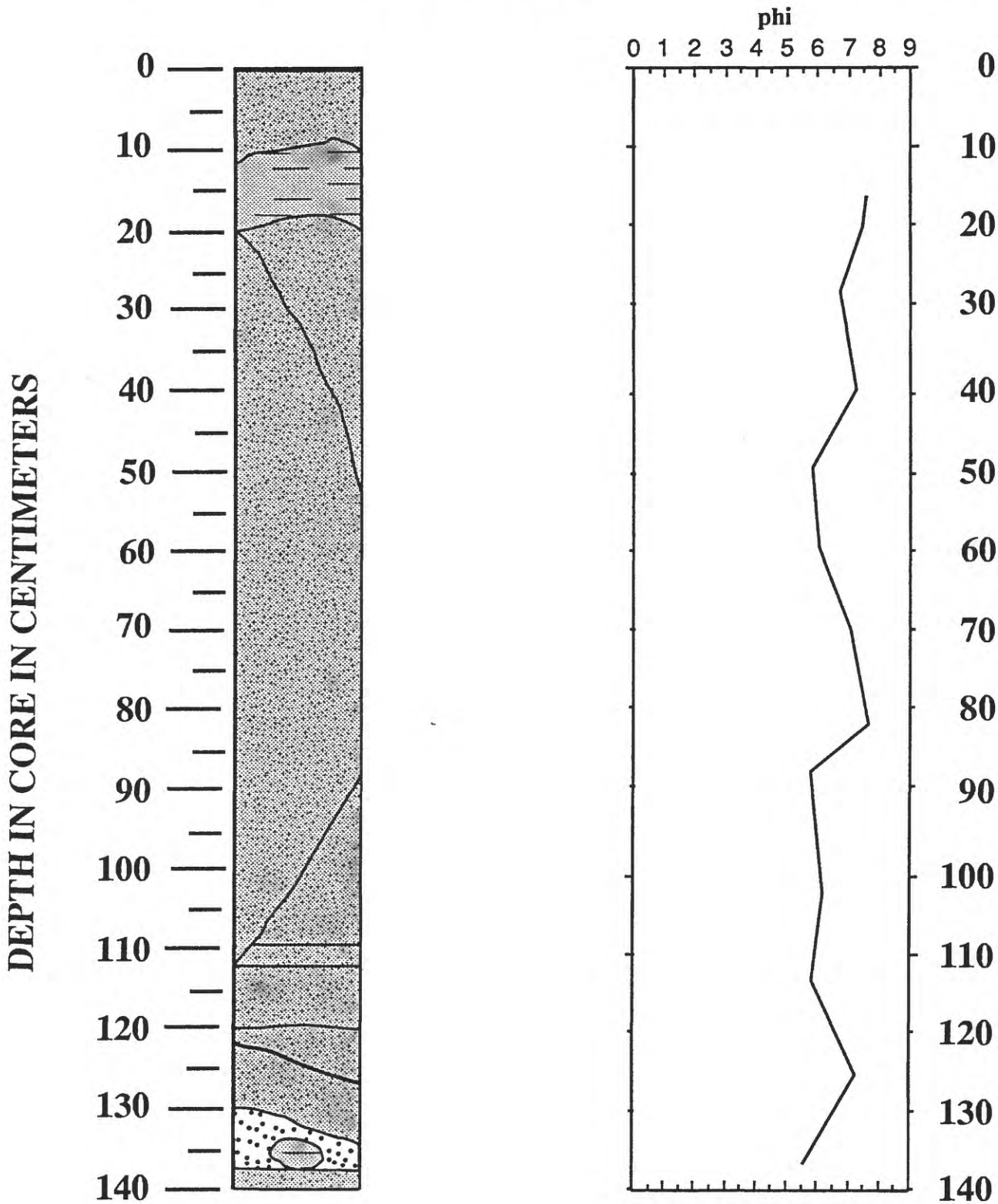


Figure 7 continued.

CORE ID: F3-89-P46-1

WATER DEPTH: 4444 **m (corrected)**

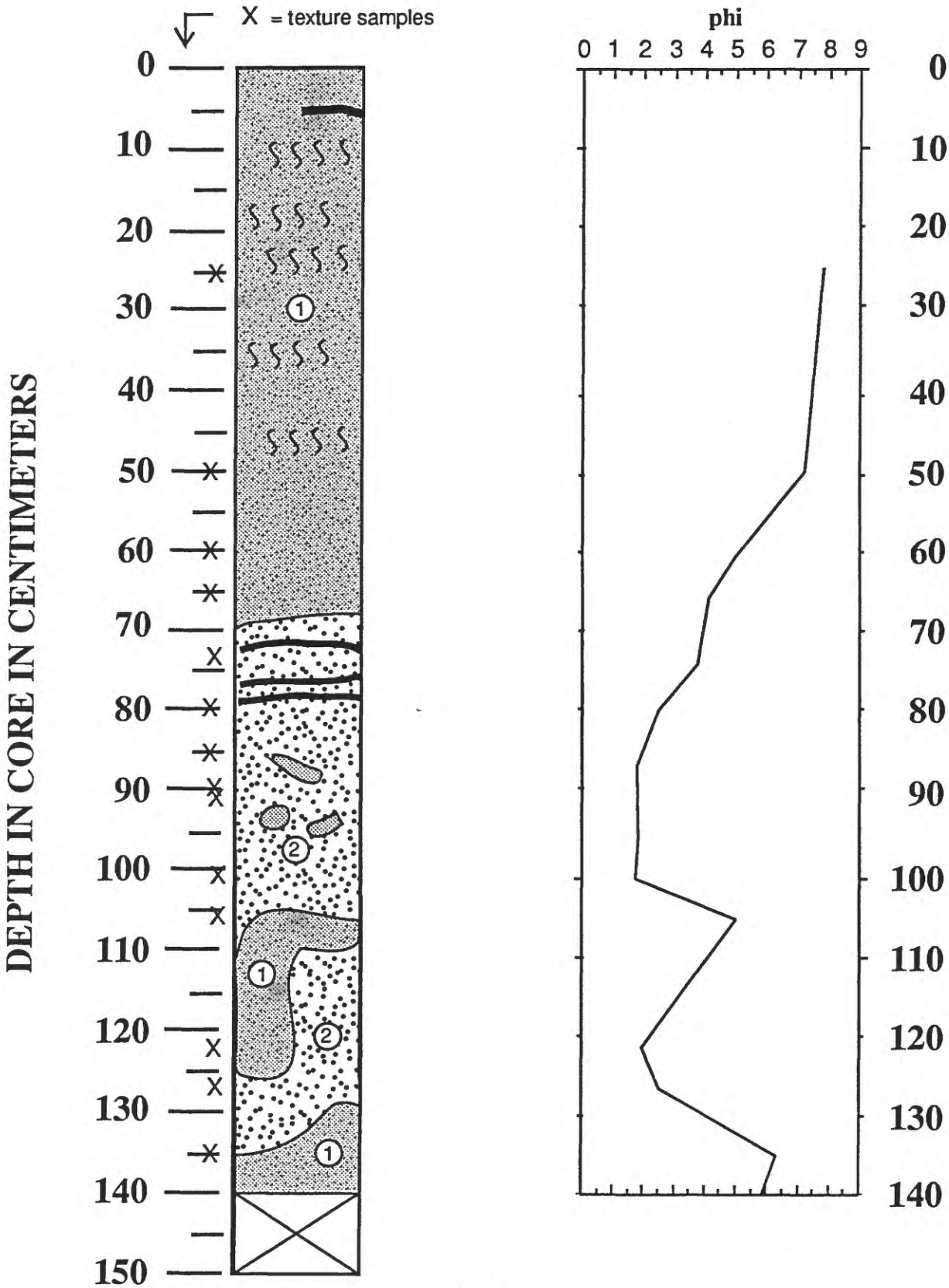
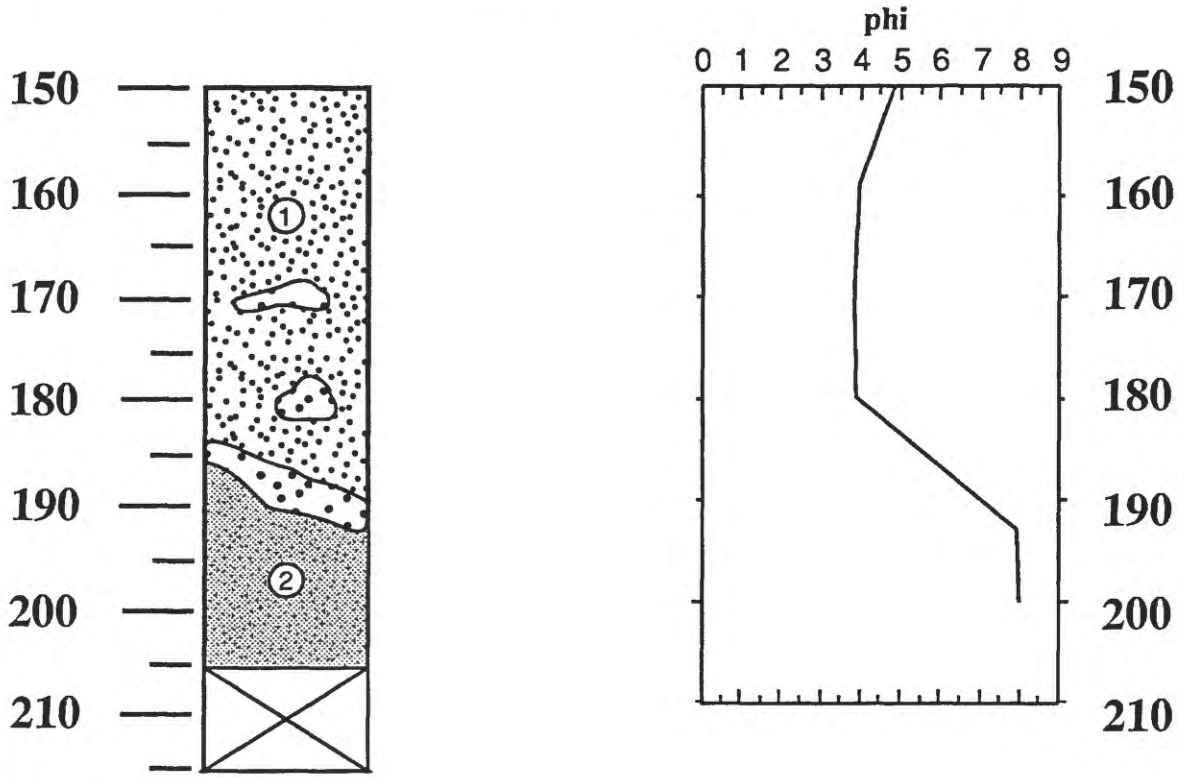


Figure 7 continued.

CORE ID: F3-89-P46-2

WATER DEPTH: 4444 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Figure 7 continued.

CORE ID: F3-89-P47-1

WATER DEPTH: 4446 **m (corrected)**

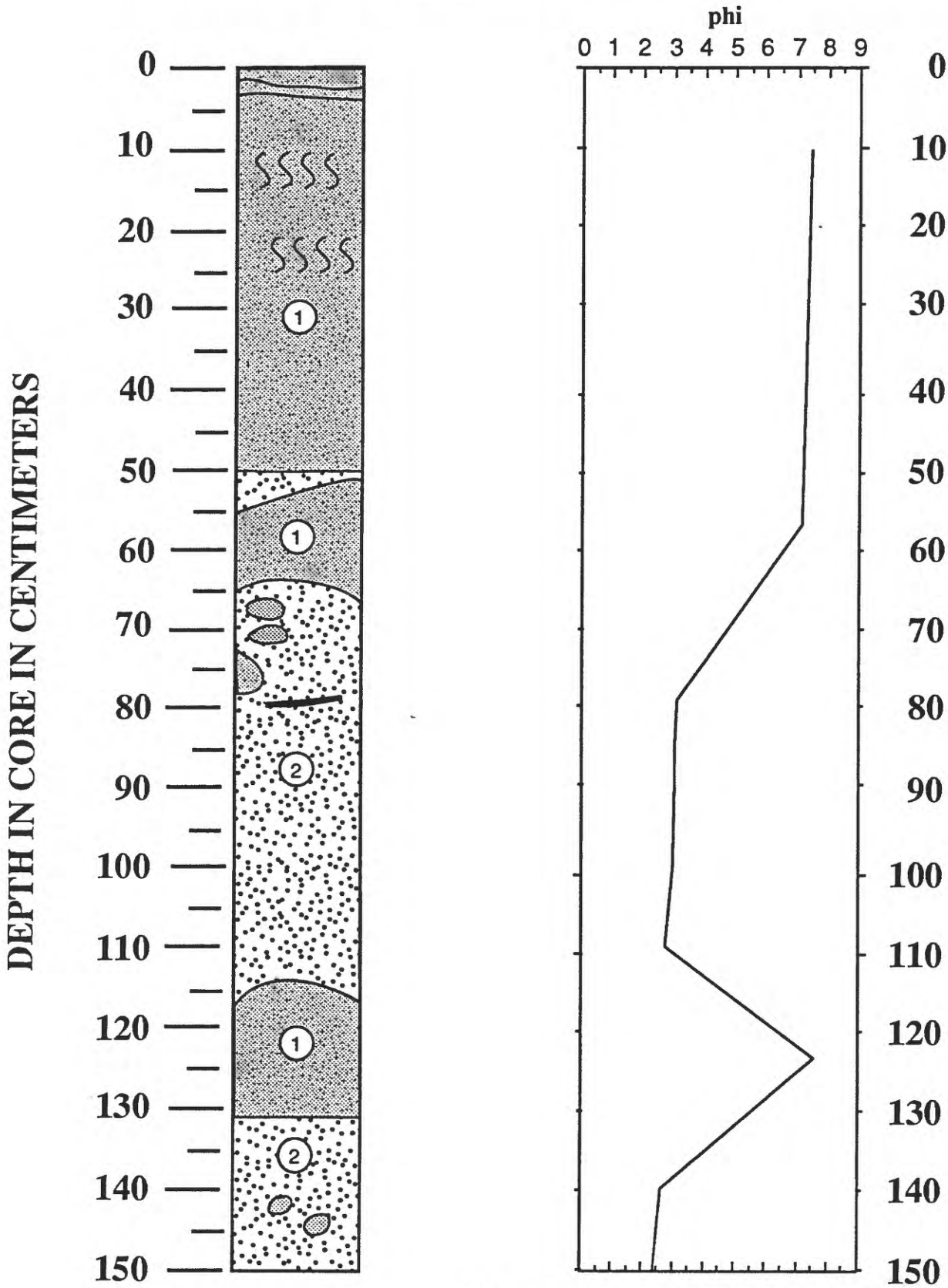
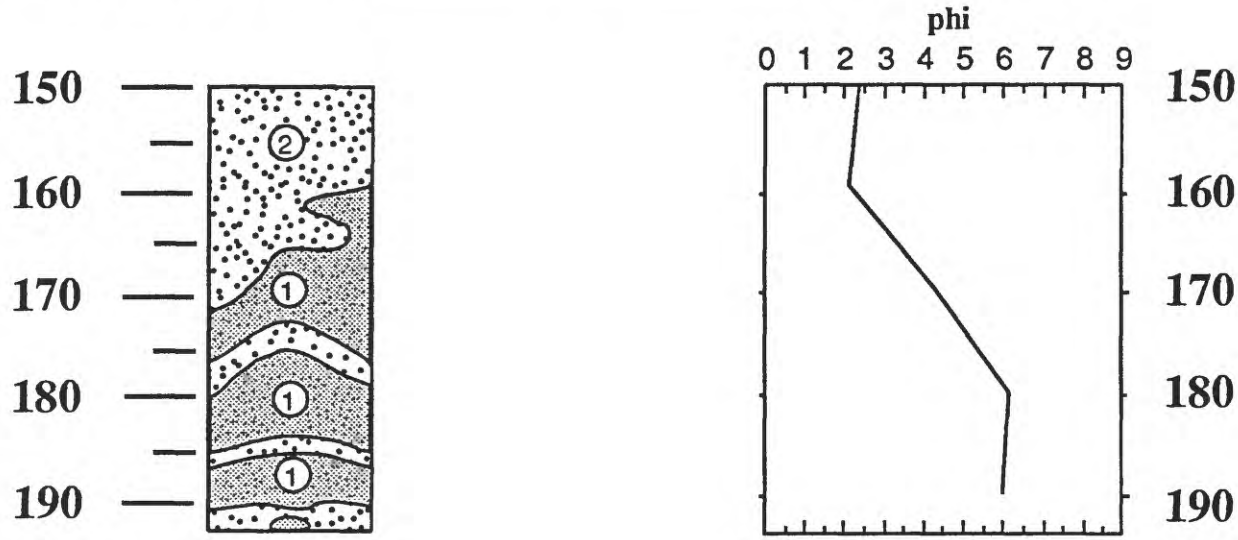


Figure 7 continued.

CORE ID: F3-89-P47-2

WATER DEPTH: 4446 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Figure 7 continued.

CORE ID: F3-89-P48-1

WATER DEPTH: 4445 **m (corrected)**

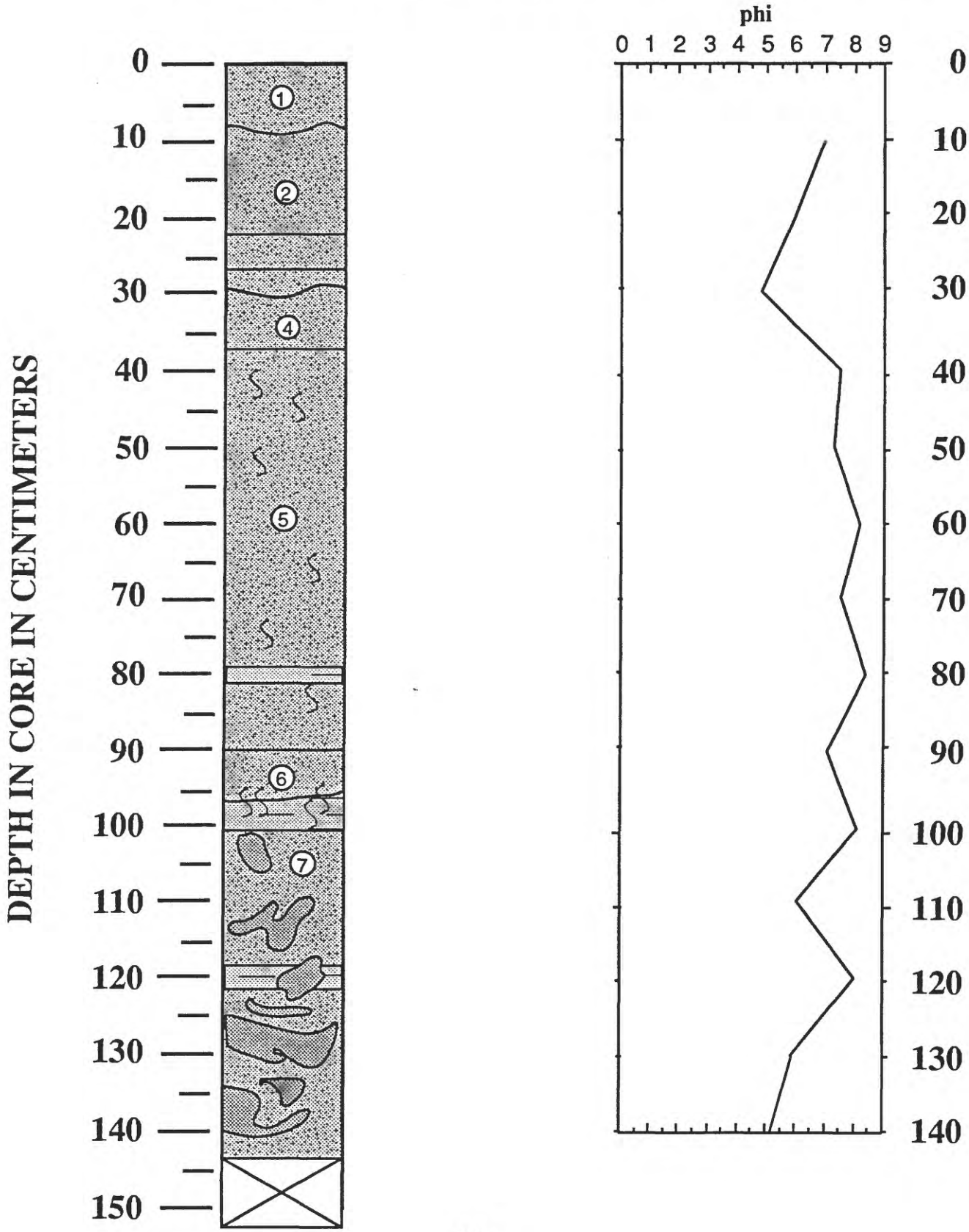


Figure 7 continued.

CORE ID: F3-89-P48-2

WATER DEPTH: 4445 **m (corrected)**

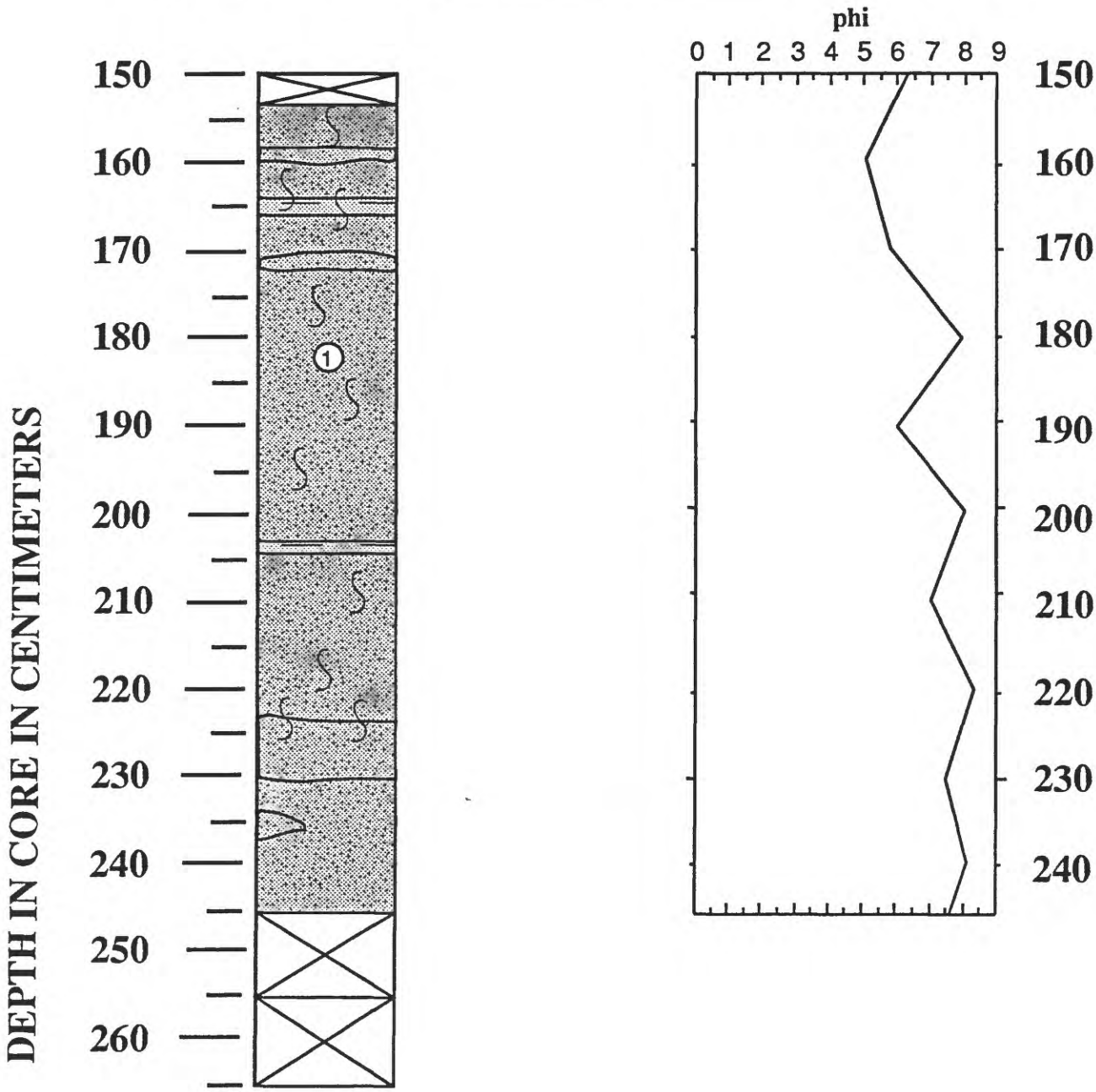


Figure 7 continued.

CORE ID: F3-89-P51-1

WATER DEPTH: 4483 **m (corrected)**

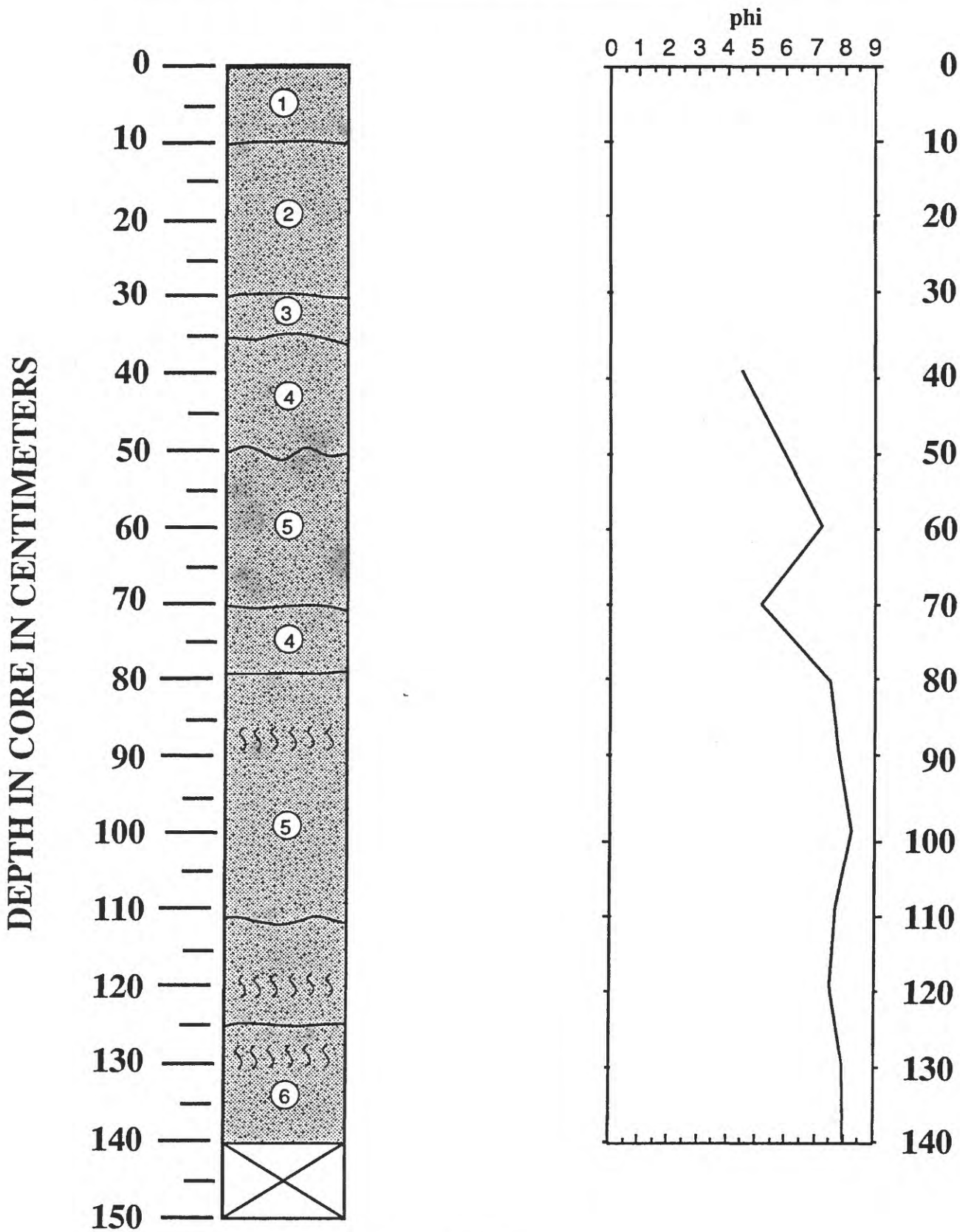


Figure 7 continued.

CORE ID: F3-89-P51-2

WATER DEPTH: 4483 **m (corrected)**

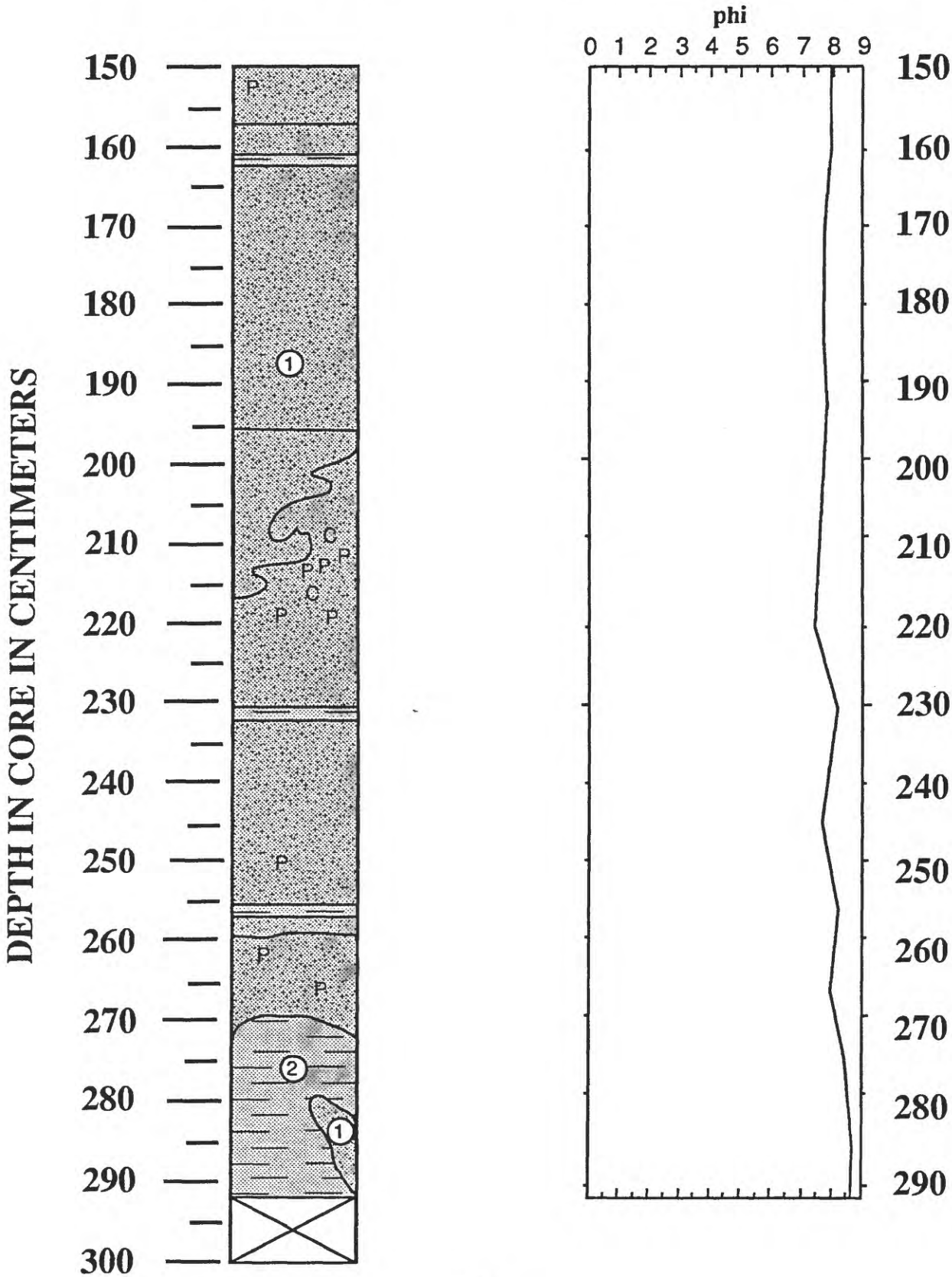


Figure 7 continued.

CORE ID: F3-89-P51-3

WATER DEPTH: 4483 **m (corrected)**

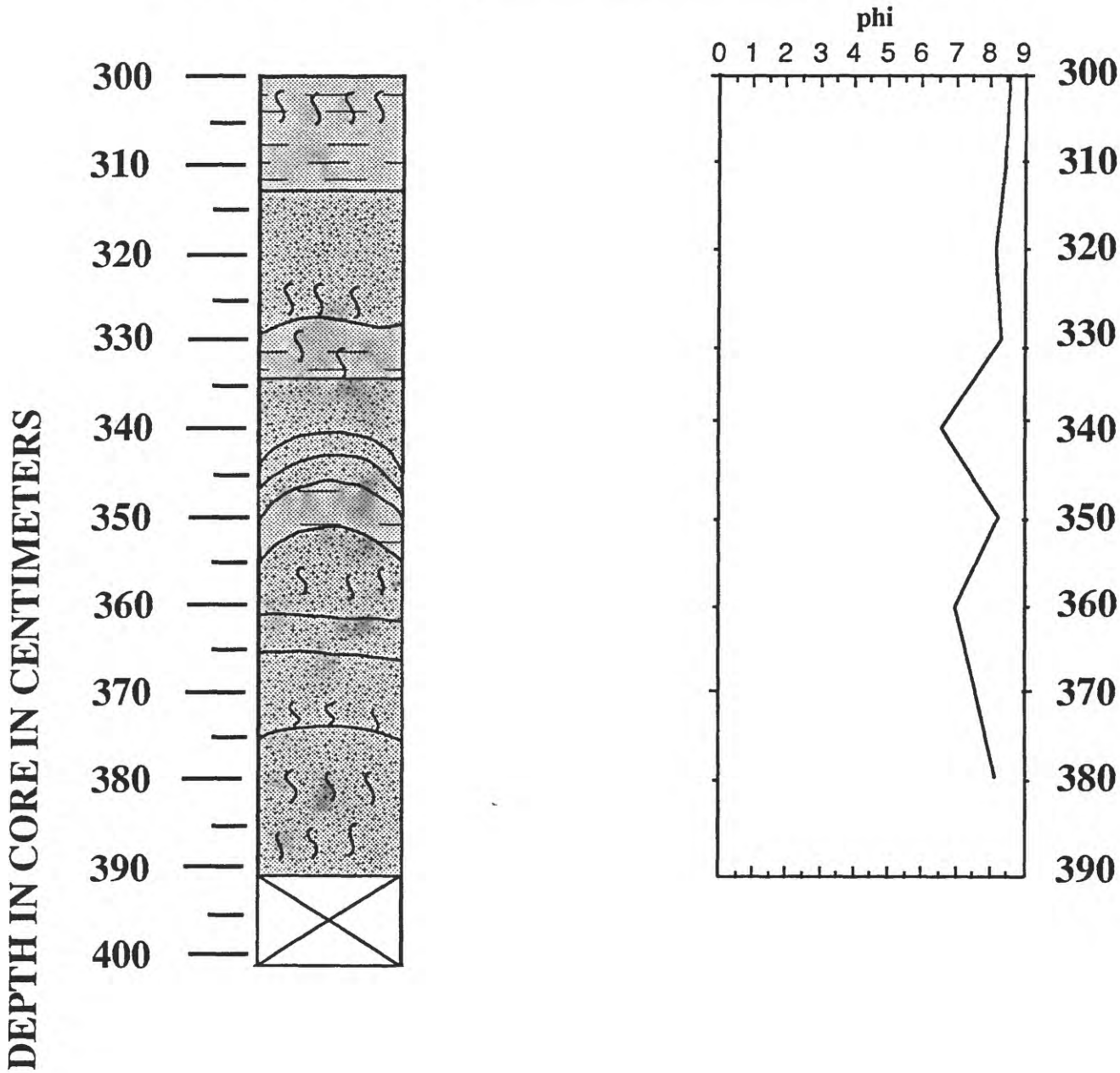


Figure 7 continued.

CORE ID: F3-89-P52

WATER DEPTH: 4484 **m (corrected)**

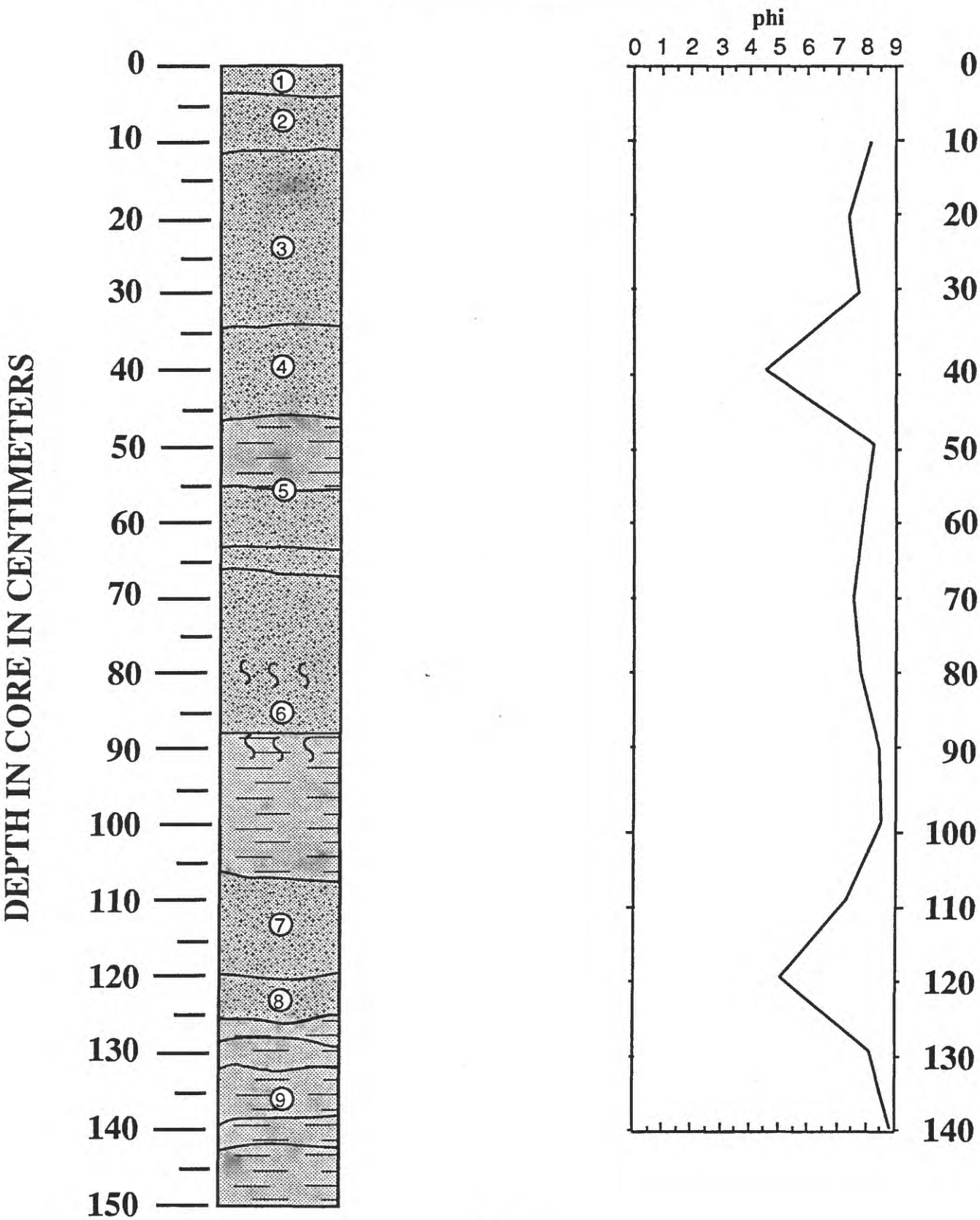


Figure 7 continued.

CORE ID: F3-89-P55-1

WATER DEPTH: 3784 **m (corrected)**

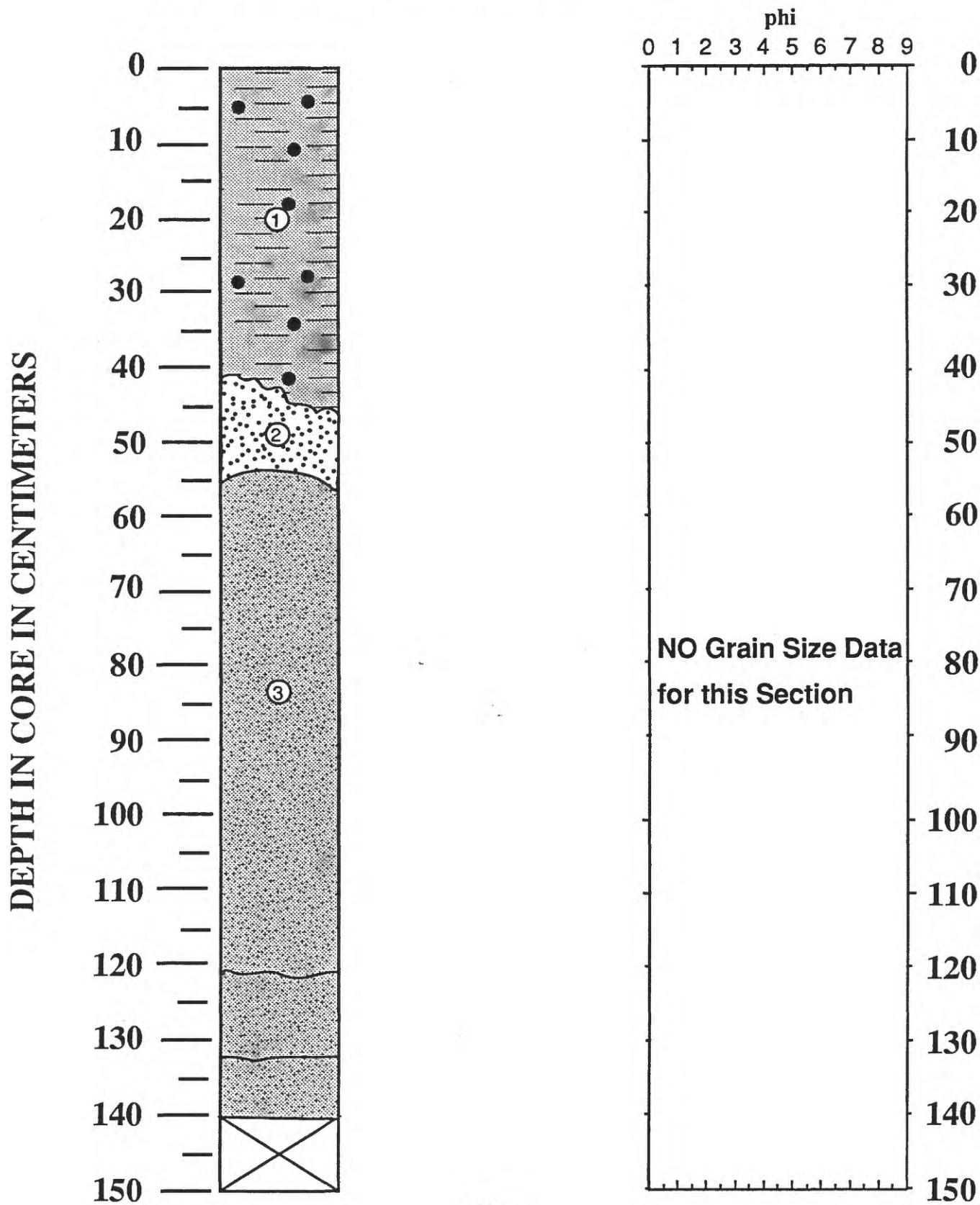


Figure 7 continued.

CORE ID: F3-89-P55-2

WATER DEPTH: 3784 **m (corrected)**

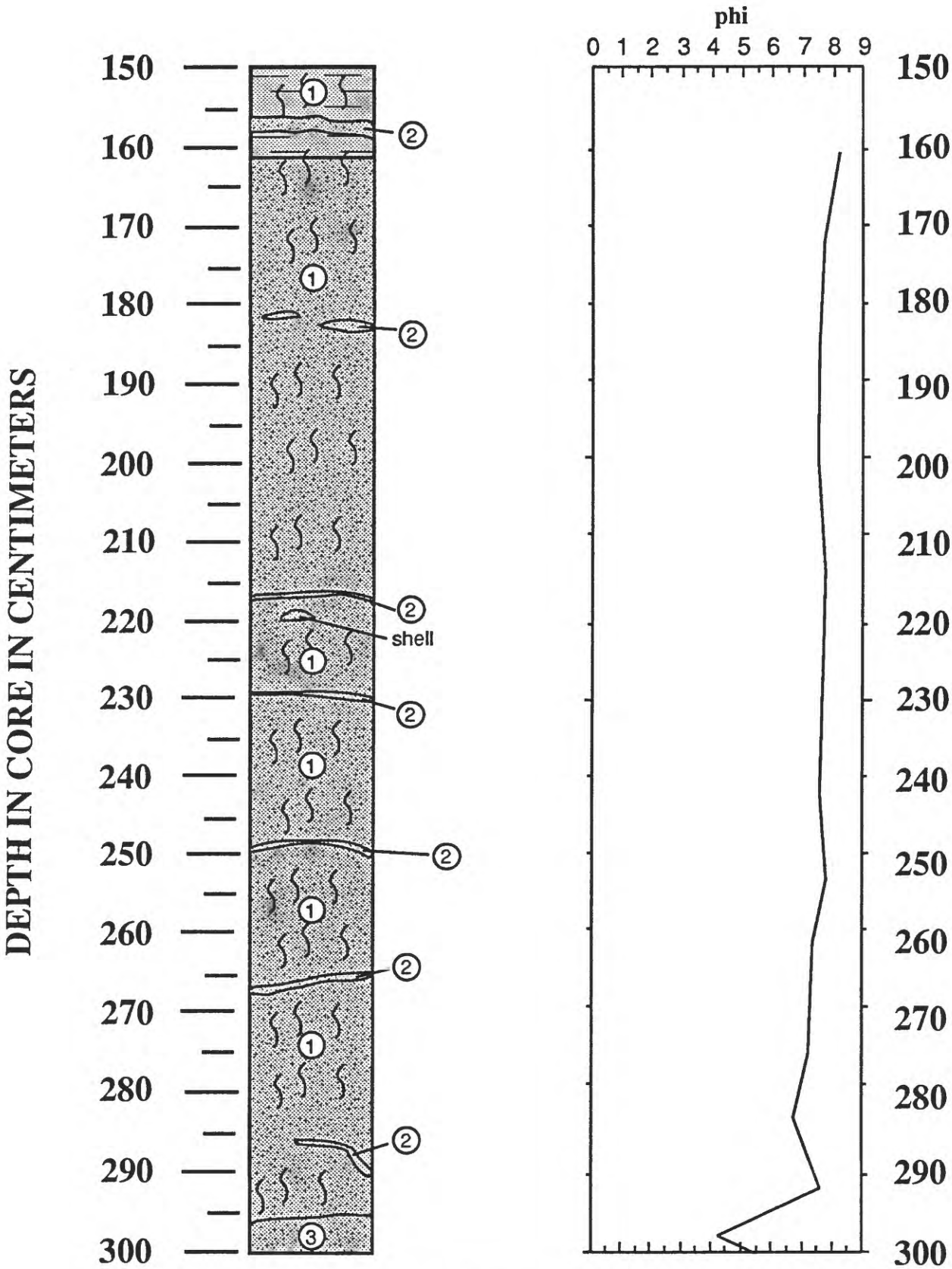


Figure 7 continued.

CORE ID: F3-89-P55-3

WATER DEPTH: 3784 **m (corrected)**

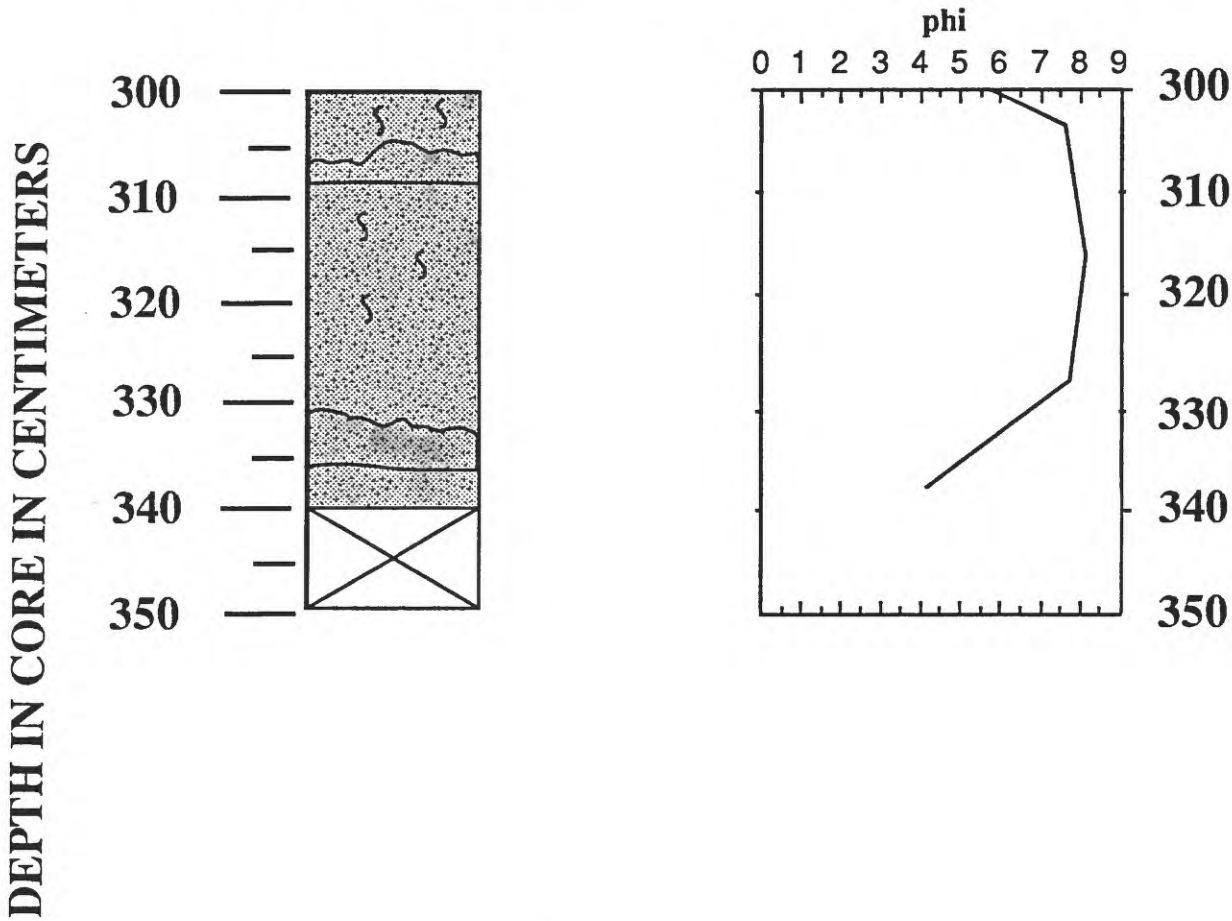


Figure 7 continued.

CORE ID: F3-89-P56-1

WATER DEPTH: 3474 **m (corrected)**

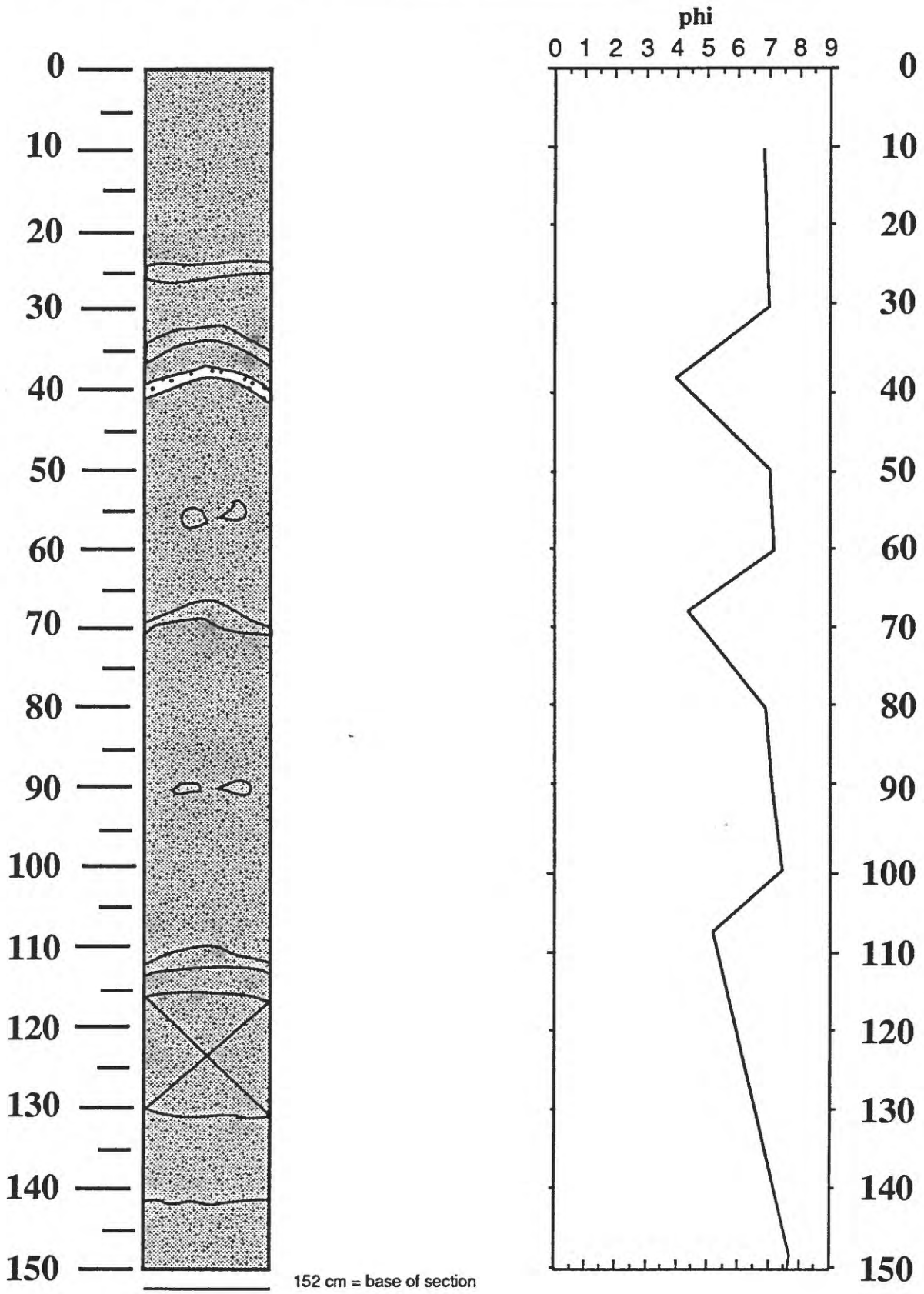
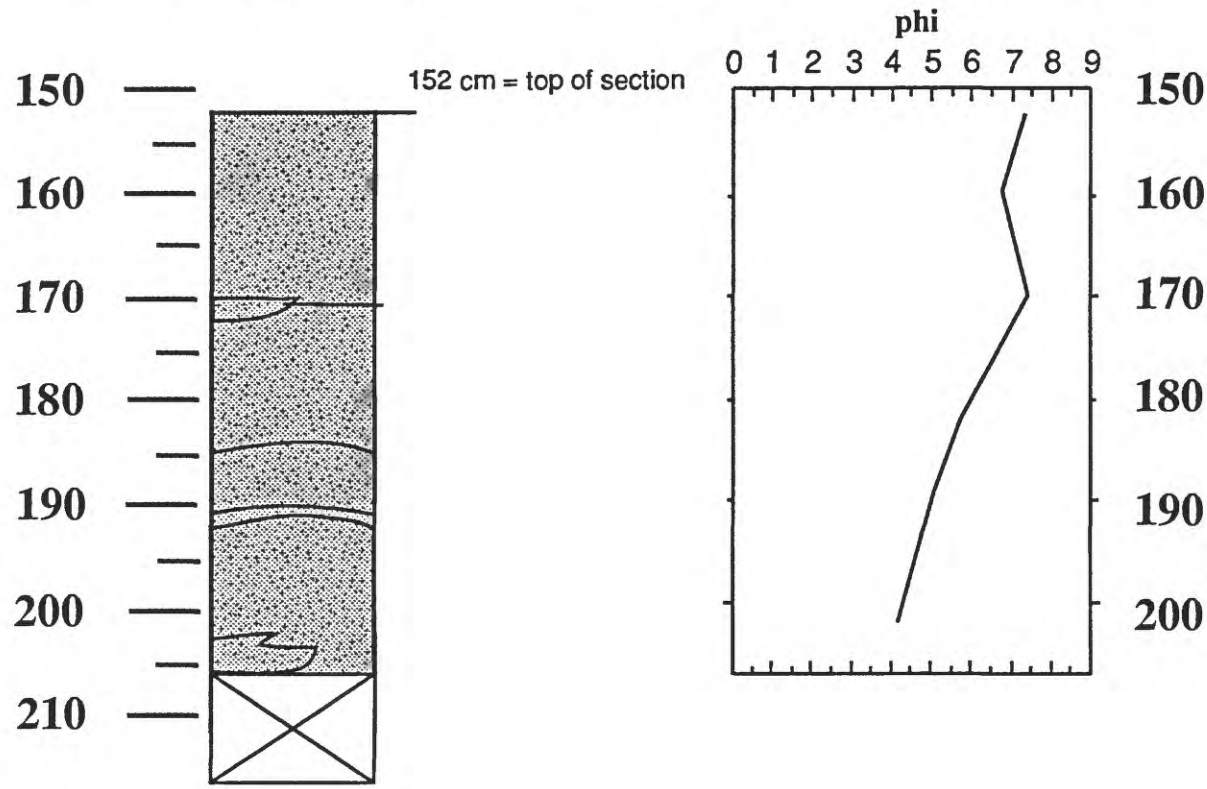


Figure 7 continued.

CORE ID: F3-89-P56-2

WATER DEPTH: 3474 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Figure 7 continued.

CORE ID: F3-89-P57-1

WATER DEPTH: 3506 **m (corrected)**

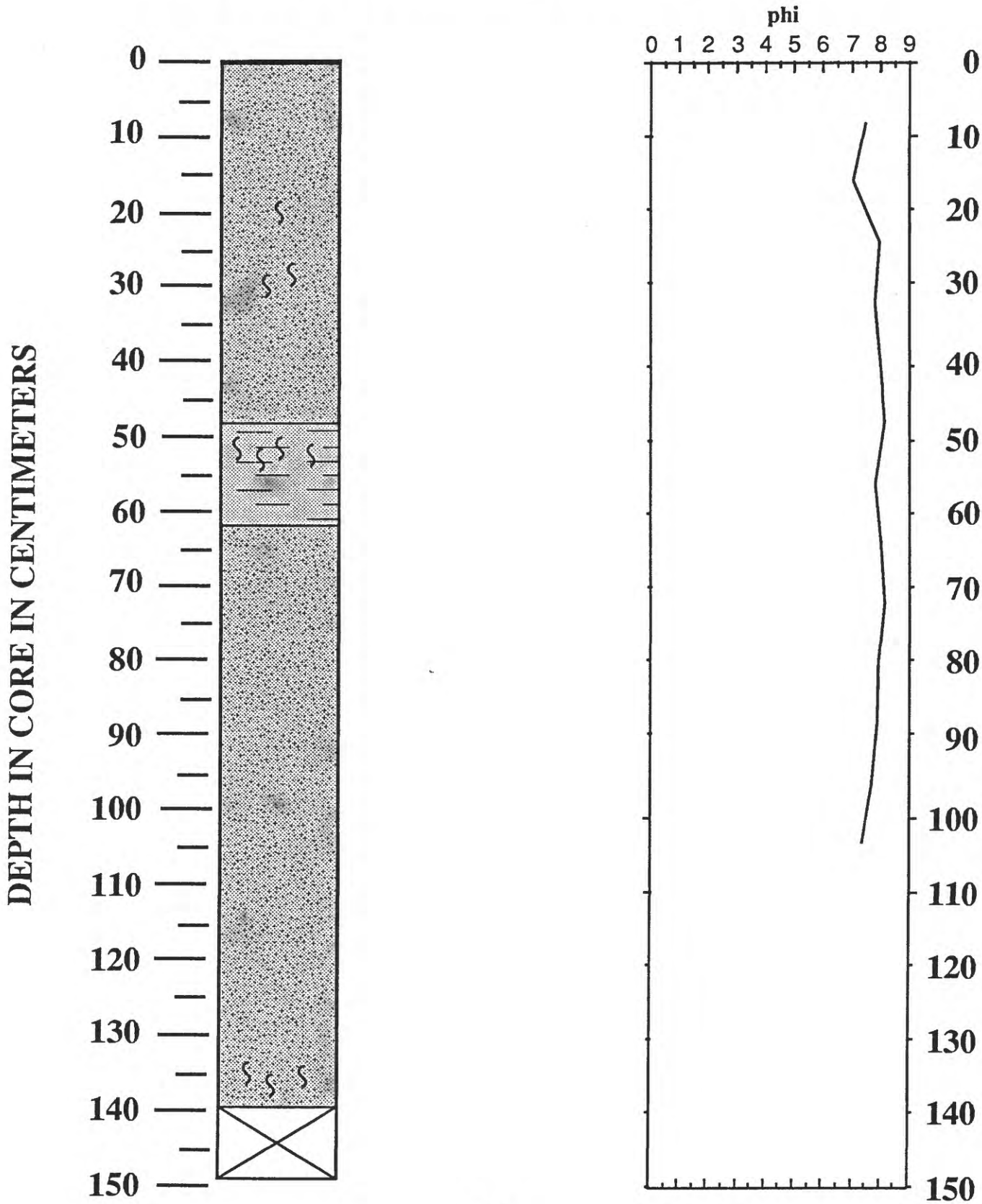
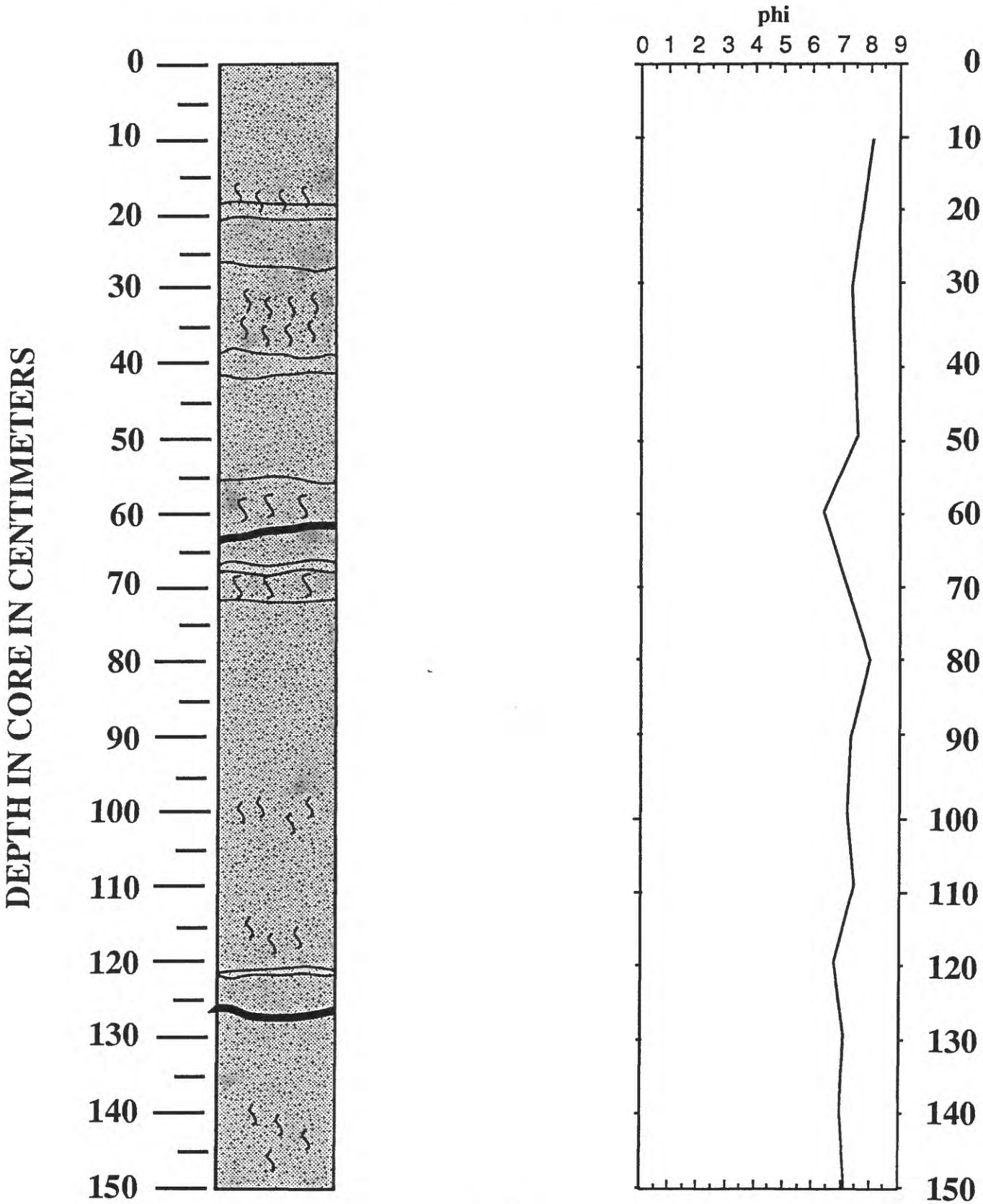


Figure 7 continued.

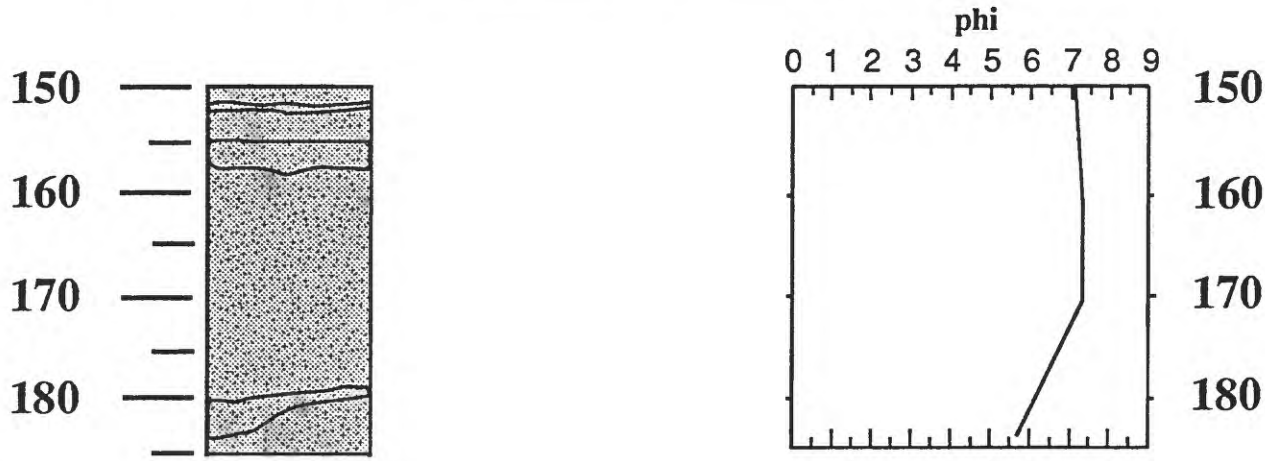
CORE ID: F3-89-G30-1

WATER DEPTH: 3871 **m (corrected)**



CORE ID: F3-89-G30-2

WATER DEPTH: 3871 **m (corrected)**



DEPTH IN CORE IN CENTIMETERS

Table 3. Percent weight total carbon (TC), inorganic carbon (Cinorg), organic carbon (Corg), and calcium carbonate (CaCO3). All depths in cm.

G1 depth	G1 TC	G1 Cinorg	G1 Corg	G1 CaCO3	B1-1 depth	B1-1 TC	B1-1 Cinorg	B1-1 Corg	B1-1 CaCO3	B1-2 depth	B1-2 TC	B1-2 Cinorg	B1-2 Corg	B1-2 CaCO3
10	0.81	0.08	0.73	0.67	0	0.61	0.04	0.57	0.33	0	0.70	0.04	0.66	0.33
20	0.80	0.09	0.71	0.75	5	0.30	0.03	0.27	0.25	10	0.49	0.02	0.47	0.17
30	1.14	0.18	0.96	1.50	10	0.53	0.03	0.50	0.25	20	0.65	0.02	0.63	0.17
40	0.69	0.04	0.65	0.33	15	0.56	0.03	0.53	0.25	30	0.64	0.04	0.60	0.33
50	0.69	0.10	0.59	0.83	20	0.56	0.03	0.53	0.25	40	0.37	0.02	0.35	0.17
60	0.63	0.04	0.59	0.33	30	0.64	0.03	0.61	0.25	50	0.16	0.02	0.14	0.17
70	0.74	0.06	0.68	0.50	35	0.63	0.04	0.59	0.33					
90	0.67	0.05	0.62	0.42	40	0.61	0.03	0.58	0.25					
100	0.55	0.17	0.38	1.42	45	0.66	0.05	0.61	0.42					
110	0.61	0.04	0.57	0.33	50	0.63	0.04	0.59	0.33					
120	0.71	0.04	0.67	0.33	55	1.46	0.03	1.43	0.25					
130	0.58	0.20	0.38	1.67	60	0.33	0.26	0.07	2.17					
140	0.65	0.04	0.61	0.33	68	0.22	0.03	0.19	0.25					
150	0.31	0.04	0.27	0.33										
160	0.59	0.05	0.54	0.42										
170	0.54	0.03	0.51	0.25										
180	0.74	0.04	0.70	0.33										
190	0.67	0.05	0.62	0.42										
202	0.72	0.03	0.69	0.25										
210	0.70	0.06	0.64	0.50										
220	0.66	0.05	0.61	0.42										
230	0.63	0.04	0.59	0.33										
240	0.69	0.04	0.65	0.33										
250	0.70	0.05	0.65	0.42										
260	0.80	0.06	0.74	0.50										
270	0.92	0.07	0.85	0.58										
280	0.36	0.52	0.00	4.33										
290	0.65	0.15	0.50	1.25										
312	0.50	0.17	0.33	1.42										
320	0.57	0.07	0.50	0.58										
330	0.67	0.05	0.62	0.42										
344	0.86	0.04	0.82	0.33										
354	0.72	0.01	0.71	0.08										
363	0.61	0.04	0.57	0.33										
374	0.73	0.08	0.65	0.67										

B2-1 depth	B2-1 TC	B2-1 Cinorg	B2-1 Corg	B2-1 CaCO3	B2-2 depth	B2-2 TC	B2-2 Cinorg	B2-2 Corg	B2-2 CaCO3	B3-1 depth	B3-1 TC	B3-1 Clnorg	B3-1 Corg	B3-1 CaCO3
5	0.51	0.04	0.47	0.33	3	0.51	0.03	0.48	0.25	0	0.66	0.07	0.59	0.58
10	0.67	0.03	0.64	0.25	10	0.53	0.02	0.51	0.17	3	0.21	0.05	0.16	0.42
15	0.54	0.03	0.51	0.25	13	0.67	0.03	0.64	0.25	5	1.02	0.05	0.97	0.42
										7	0.17	0.03	0.14	0.25
										12	0.81	0.04	0.77	0.33
										20	0.15	0.05	0.10	0.42
										30	0.28	0.09	0.19	0.75
										40	0.18	0.08	0.10	0.67
										51	0.61	0.05	0.56	0.42
										53	0.42	0.06	0.36	0.50

-1 = samples from face of box core; -2 = samples from sub-core.

Table 3 continued. Percent weight total carbon (TC), inorganic carbon (Cinorg), organic carbon (Corg), and calcium carbonate (CaCO3). All depths in cm.

B4-1 depth	B4-1 TC	B4-1 Cinorg	B4-1 Corg	B4-1 CaCO3	B4-2 depth	B4-2 TC	B4-2 Cinorg	B4-2 Corg	B4-2 CaCO3	B6-2 depth	B6-2 TC	B6-2 Cinorg	B6-2 Corg	B6-2 CaCO3
0	0.74	0.06	0.68	0.50	10	0.68	0.09	0.59	0.75	0	0.63	0.11	0.52	0.92
5	0.43	0.07	0.36	0.58	20	1.4	0.05	1.35	0.42	6	0.7	0.06	0.64	0.50
10	0.48	0.14	0.34	1.17	30	0.77	0.03	0.74	0.25	18	0.26	0.1	0.16	0.83
15	1.02	0.18	0.84	1.50	45	0.79	0.03	0.76	0.25	26	0.18	0.08	0.1	0.67
20	1.24	0.05	1.19	0.42	50	0.86	0.04	0.82	0.33					
25	1.34	0.06	1.28	0.50	60	0.89	0.05	0.84	0.42					
30	0.62	0.02	0.6	0.17										
35	0.73	0.03	0.7	0.25										

B7-2 depth	B7-2 TC	B7-2 Cinorg	B7-2 Corg	B7-2 CaCO3	B8-2 depth	B8-2 TC	B8-2 Cinorg	B8-2 Corg	B8-2 CaCO3	B9-1 depth	B9-1 TC	B9-1 Cinorg	B9-1 Corg	B9-1 CaCO3
0	0.61	0.07	0.54	0.58	0	1.28	0.05	1.23	0.42	0	1.50	0.05	1.45	0.42
5	0.19	0.05	0.14	0.42	5	0.48	0.07	0.41	0.58	10	1.23	0.05	1.18	0.42
10	0.30	0.04	0.26	0.33	10	0.69	0.06	0.63	0.50	13	2.07	0.07	2.00	0.58
15	0.21	0.04	0.17	0.33	15	0.29	0.07	0.22	0.58	15	0.24	0.16	0.08	1.33
20	0.71	0.04	0.67	0.33	20	1.05	0.09	0.96	0.75	20	0.22	0.08	0.14	0.67
25	0.50	0.02	0.48	0.17	25	0.41	0.24	0.17	2.00	30	0.24	0.18	0.06	1.50
30	0.48	0.04	0.44	0.33	30	0.34	0.22	0.12	1.83	42	0.21	0.11	0.10	0.92
35	0.73	0.04	0.69	0.33	35	0.21	0.10	0.11	0.83					
40	0.49	0.04	0.45	0.33	40	0.18	0.10	0.08	0.83					
45	0.82	0.05	0.77	0.42	45	0.14	0.08	0.06	0.67					
50	1.15	0.05	1.10	0.42	50	0.21	0.09	0.12	0.75					
55	1.02	0.06	0.96	0.50										
60	0.88	0.06	0.82	0.50										

B10-1 depth	B10-1 TC	B10-1 Cinorg	B10-1 Corg	B10-1 CaCO3	B11-1 depth	B11-1 TC	B11-1 Cinorg	B11-1 Corg	B11-1 CaCO3	B21-2 depth	B21-2 TC	B21-2 Cinorg	B21-2 Corg	B21-1 CaCO3
5	0.52	0.07	0.45	0.58	0	0.61	0.06	0.55	0.50	0	0.59	0.04	0.55	0.33
10	0.32	0.08	0.24	0.67	10	0.23	0.05	0.18	0.42	11	0.60	0.05	0.55	0.42
15	0.6	0.16	0.44	1.33	20	0.15	0.09	0.06	0.75	21	1.87	0.07	1.80	0.58
32	0.3	0.15	0.15	1.25	30	0.15	0.08	0.07	0.67	30	1.43	0.08	1.35	0.67
					40	0.22	0.06	0.16	0.50	42	0.16	0.05	0.11	0.42
										51	0.13	0.05	0.08	0.42
										57	0.16	0.05	0.11	0.42

B22-1 depth	B22-1 TC	B22-1 Cinorg	B22-1 Corg	B22-1 CaCO3	B22-2 depth	B22-2 TC	B22-2 Cinorg	B22-2 Corg	B22-2 CaCO3	B24-2 depth	B24-2 TC	B24-2 Cinorg	B24-2 Corg	B24-2 CaCO3
0	0.75	0.07	0.68	0.58	5	0.97	0.10	0.87	0.83	0	0.35	0.10	0.25	0.63
10	0.29	0.06	0.23	0.50	10	0.66	0.15	0.51	1.25	5	0.66	0.09	0.57	0.75
20	1.20	0.42	0.78	3.50	15	1.38	0.59	0.79	4.92	10	0.70	0.12	0.58	1.00
30	1.42	0.67	0.75	5.58	20	1.61	0.63	0.98	5.25	15	0.72	0.10	0.62	0.83
35	1.39	0.57	0.82	4.75	23	1.71	0.72	0.99	6.00	20	0.45	0.09	0.36	0.75
					30	1.15	0.37	0.78	3.08	25	0.18	0.09	0.09	0.75
					35	1.98	0.73	1.25	6.08					

B25-2 depth	B25-2 TC	B25-2 Cinorg	B25-2 Corg	B25-2 CaCO3
0	0.54	0.09	0.45	0.75
5	0.36	0.08	0.28	0.67
10	0.39	0.04	0.35	0.33
15	0.16	0.03	0.13	0.25
20	0.17	0.05	0.12	0.42
25	0.20	0.10	0.10	0.83
30	0.14	0.07	0.07	0.58
35	0.17	0.08	0.09	0.67
40	0.23	0.09	0.14	0.75

-1 = samples from face of box core; -2 = samples from sub-core.

Figure 8.

F5-87-G1-1

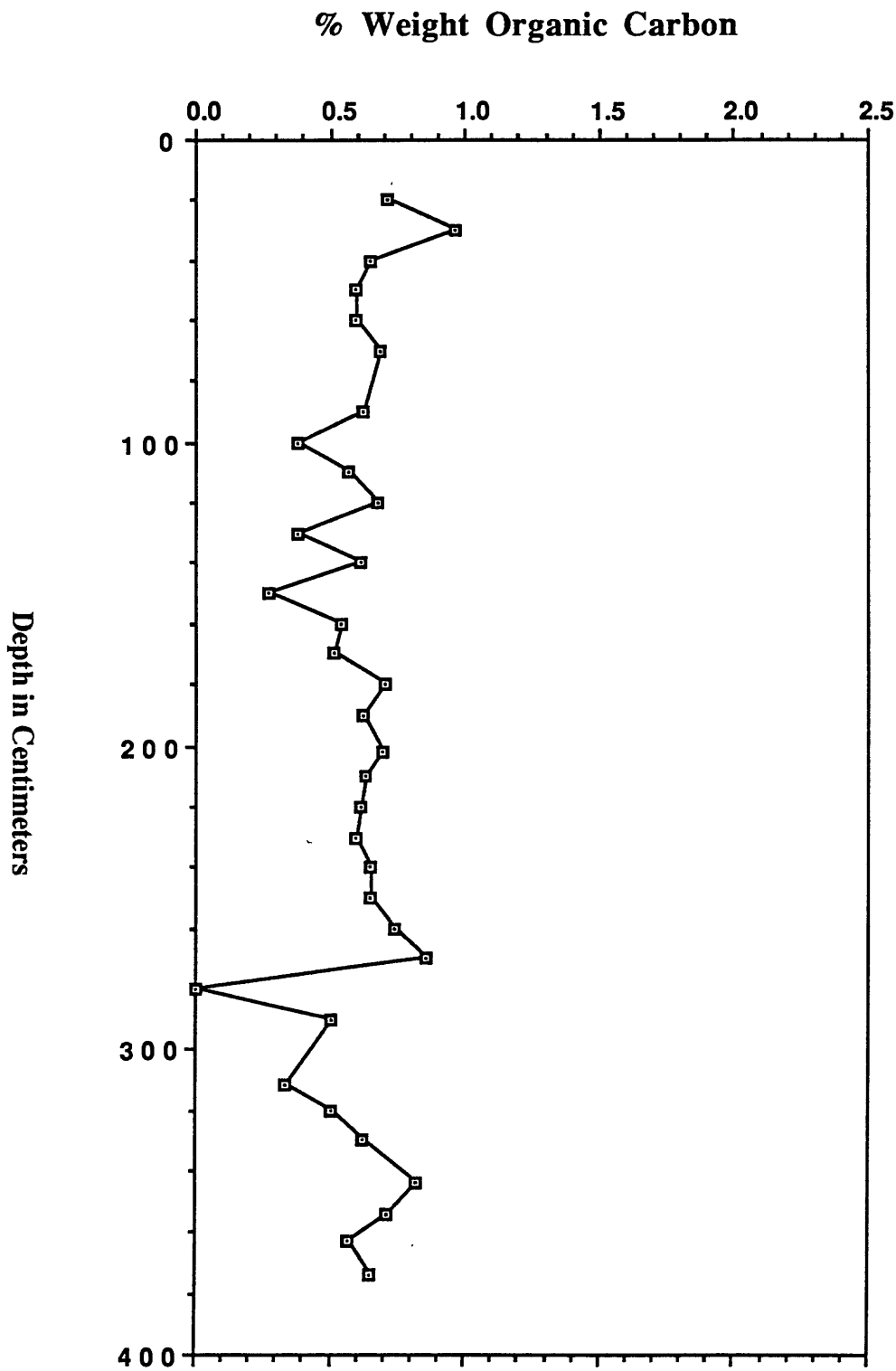


Figure 8 continued.

F5-87-B1-1

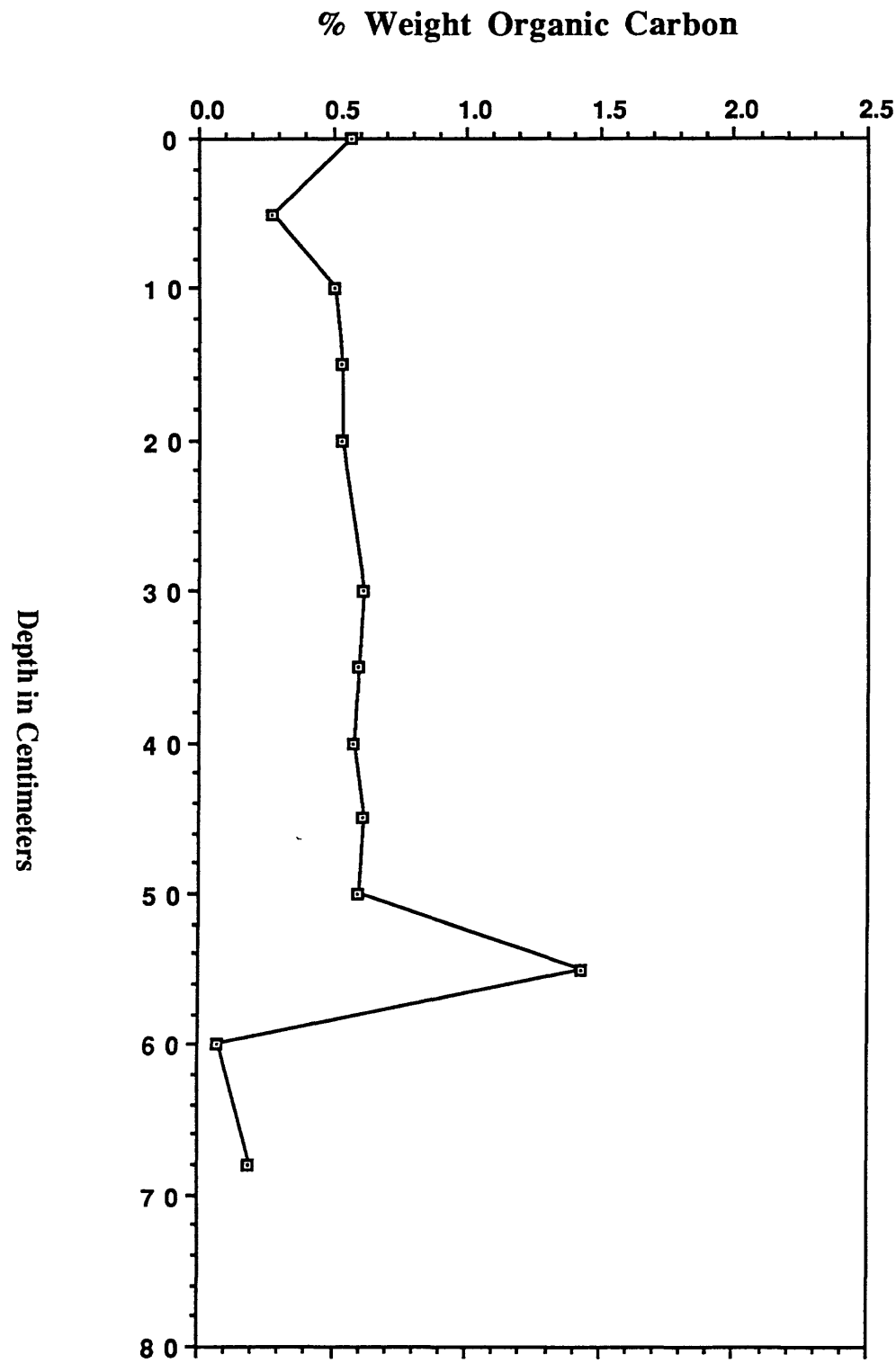


Figure 8 continued.

F5-87-B1-2

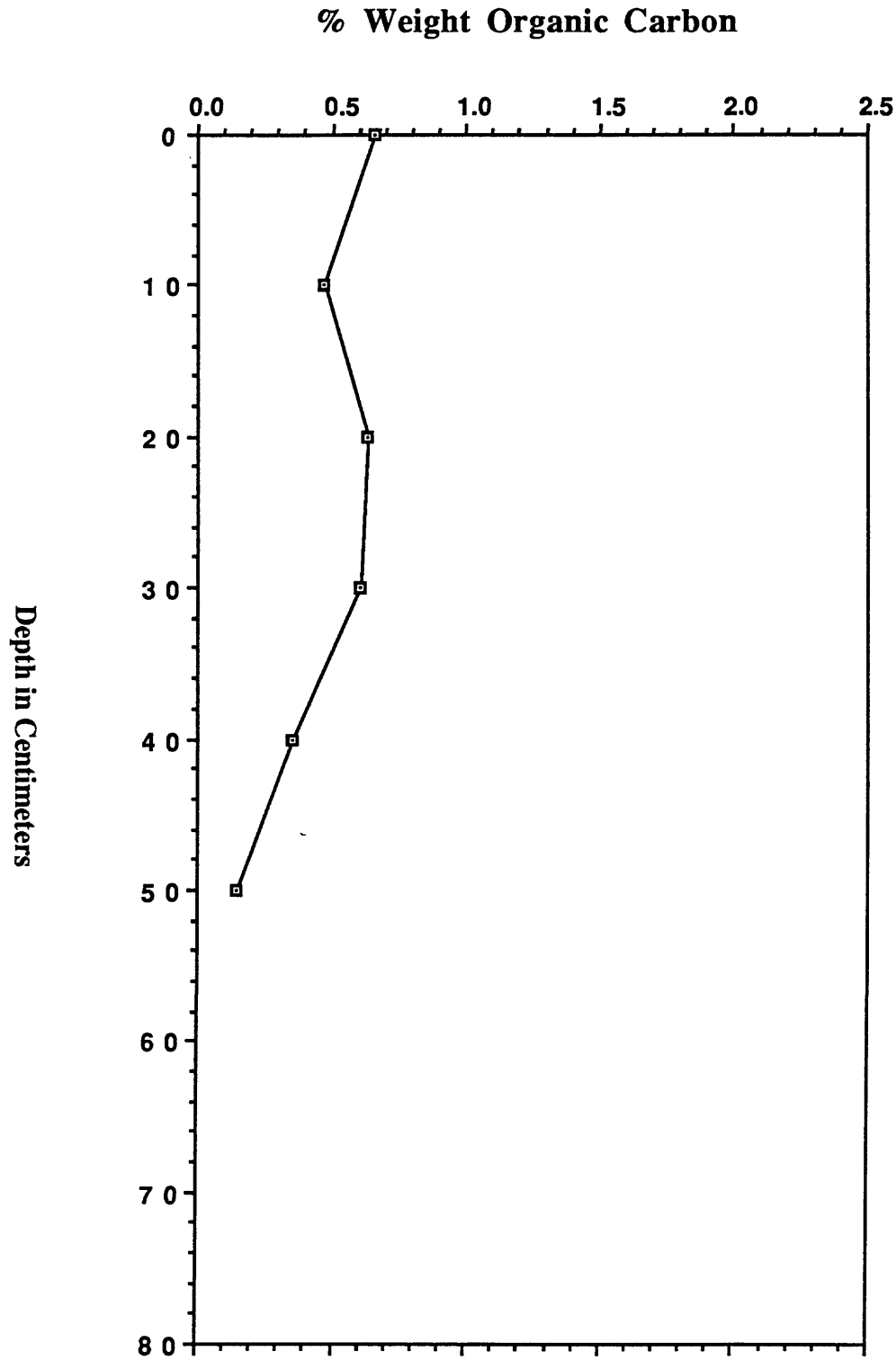


Figure 8 continued.

F5-87-B2-1

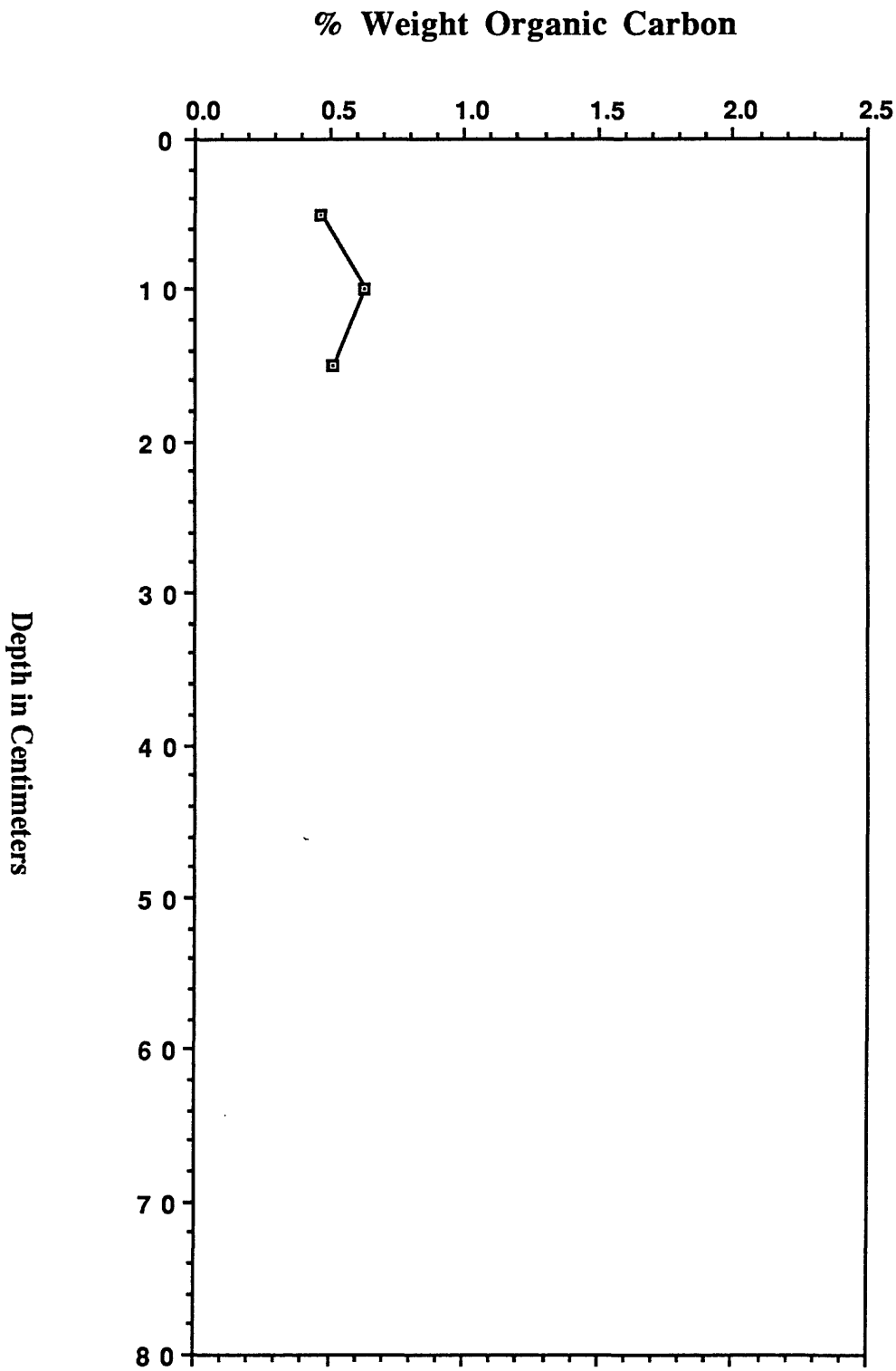


Figure 8 continued.

F5-87-B2-2

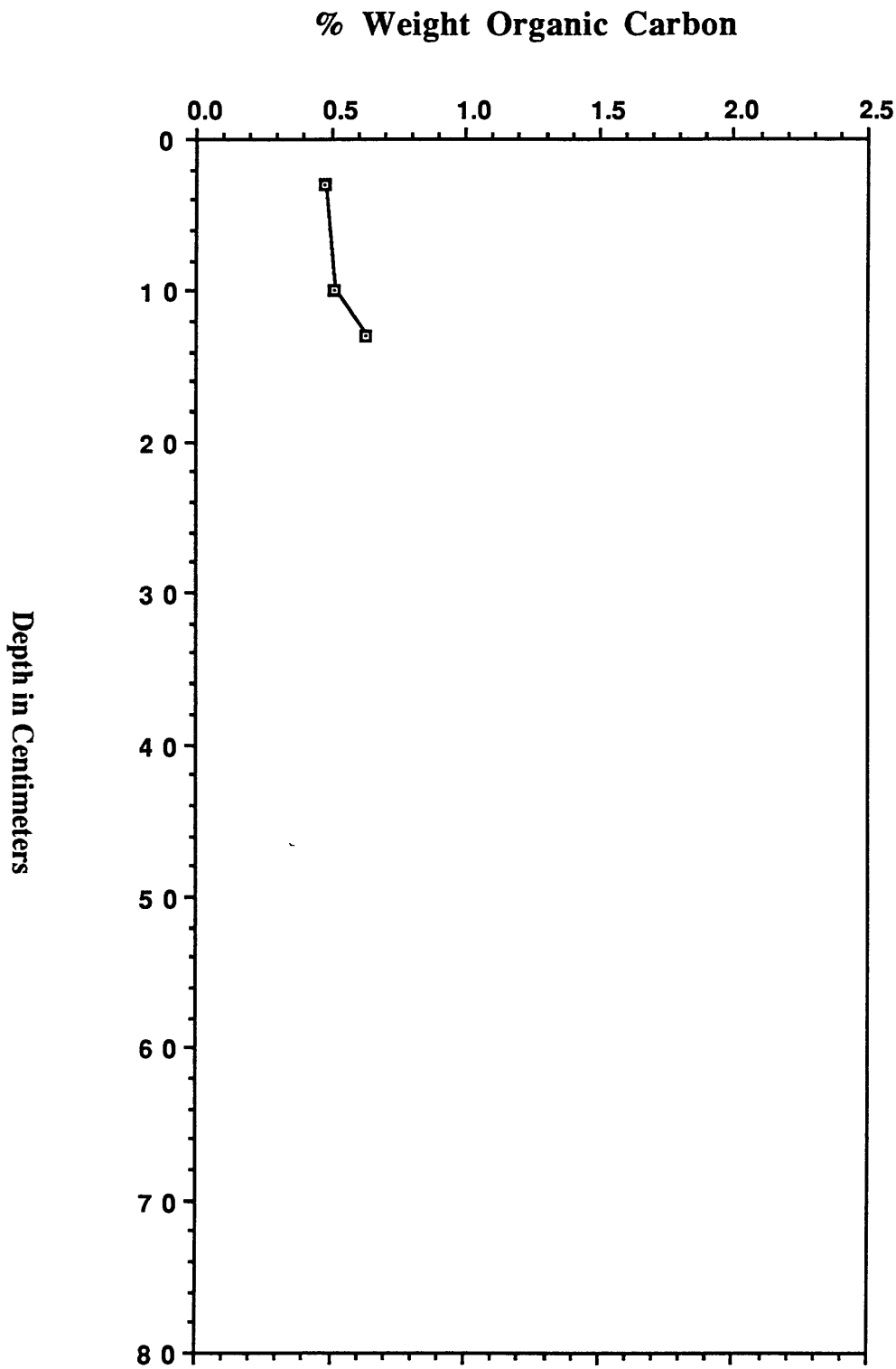


Figure 8 continued.

F5-87-B3-1

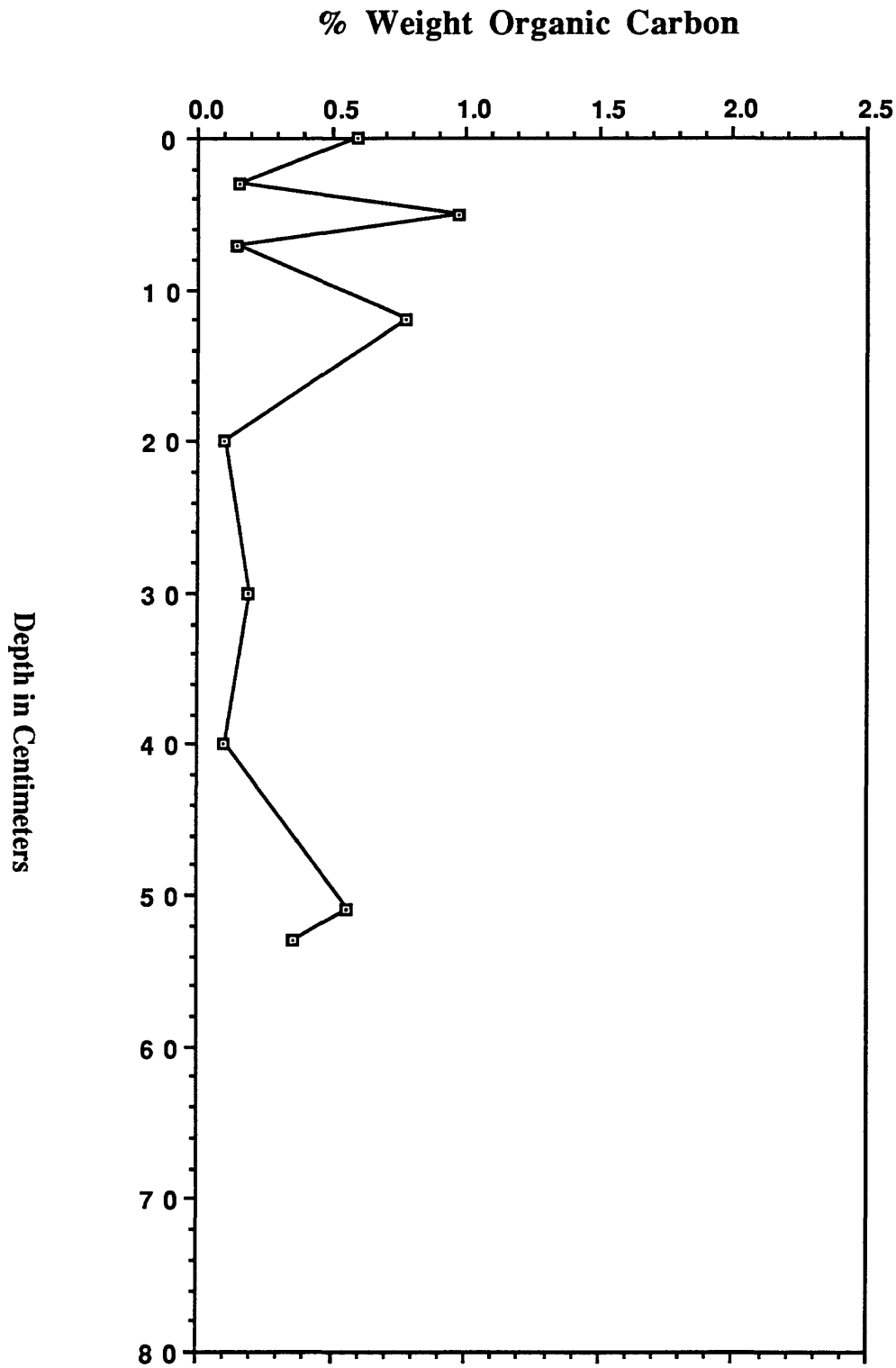


Figure 8 continued.

F5-87-B4-1

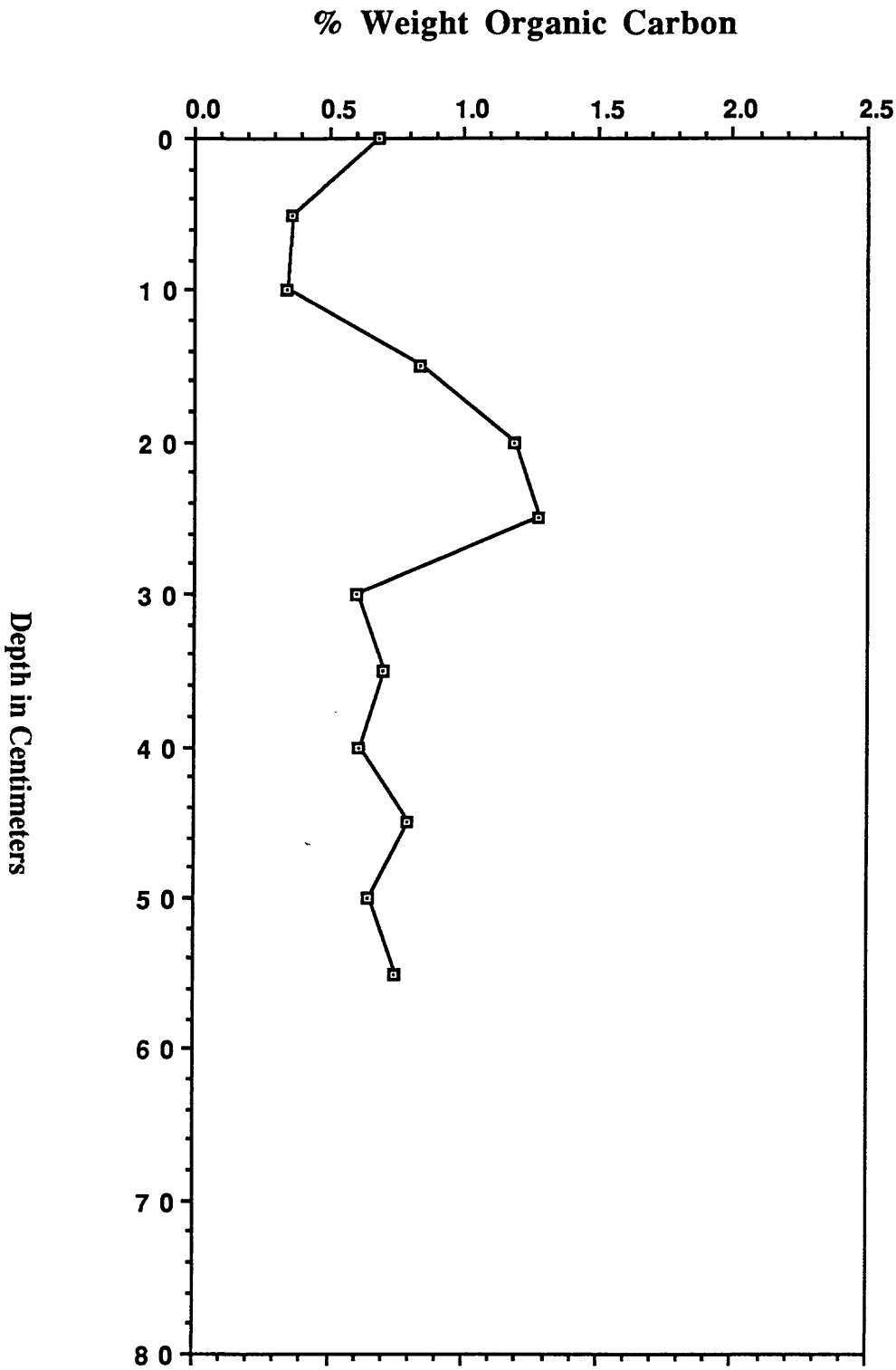


Figure 8 continued.

F5-87-B4-2

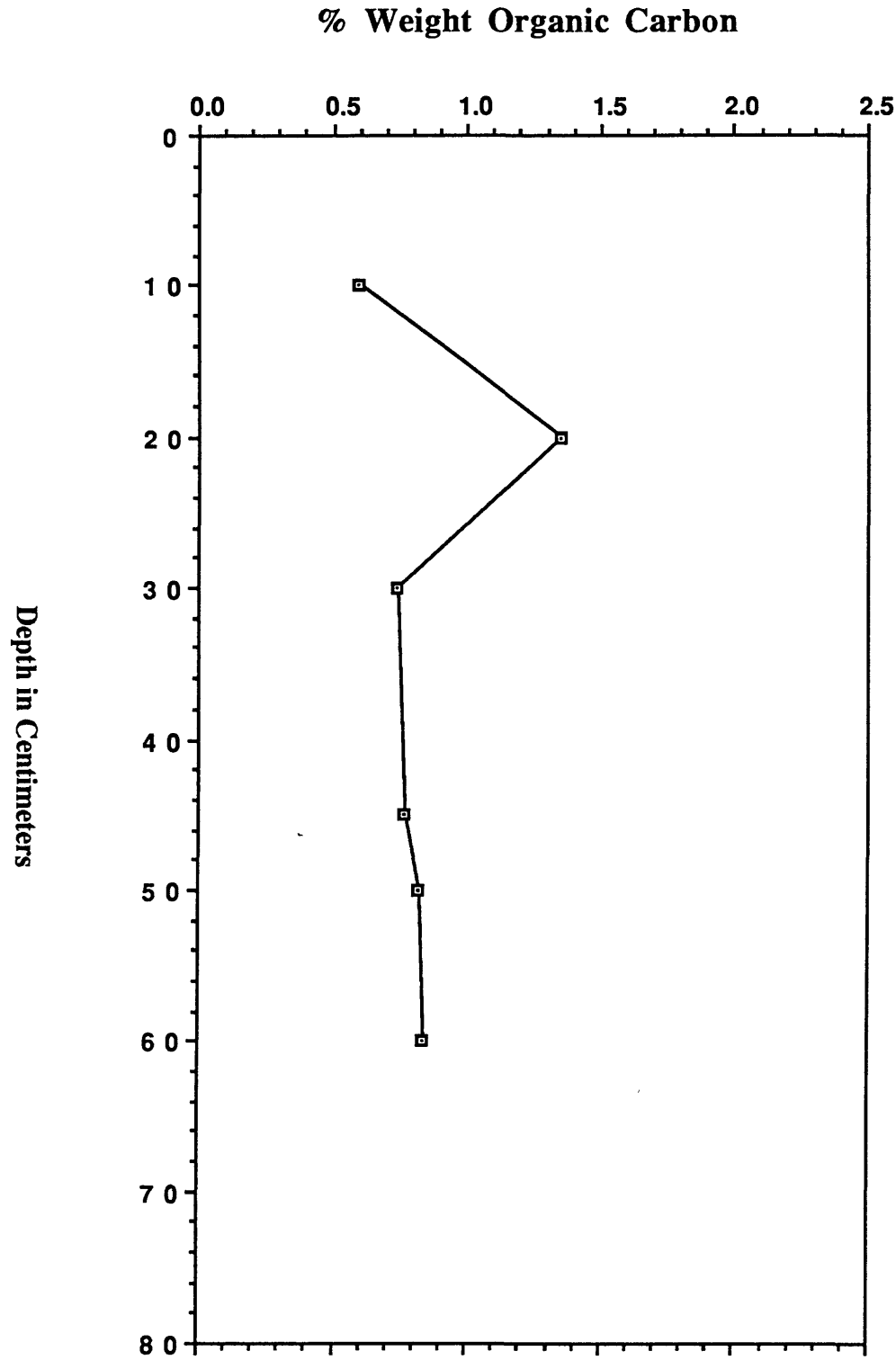


Figure 8 continued.

F5-87-B6-2

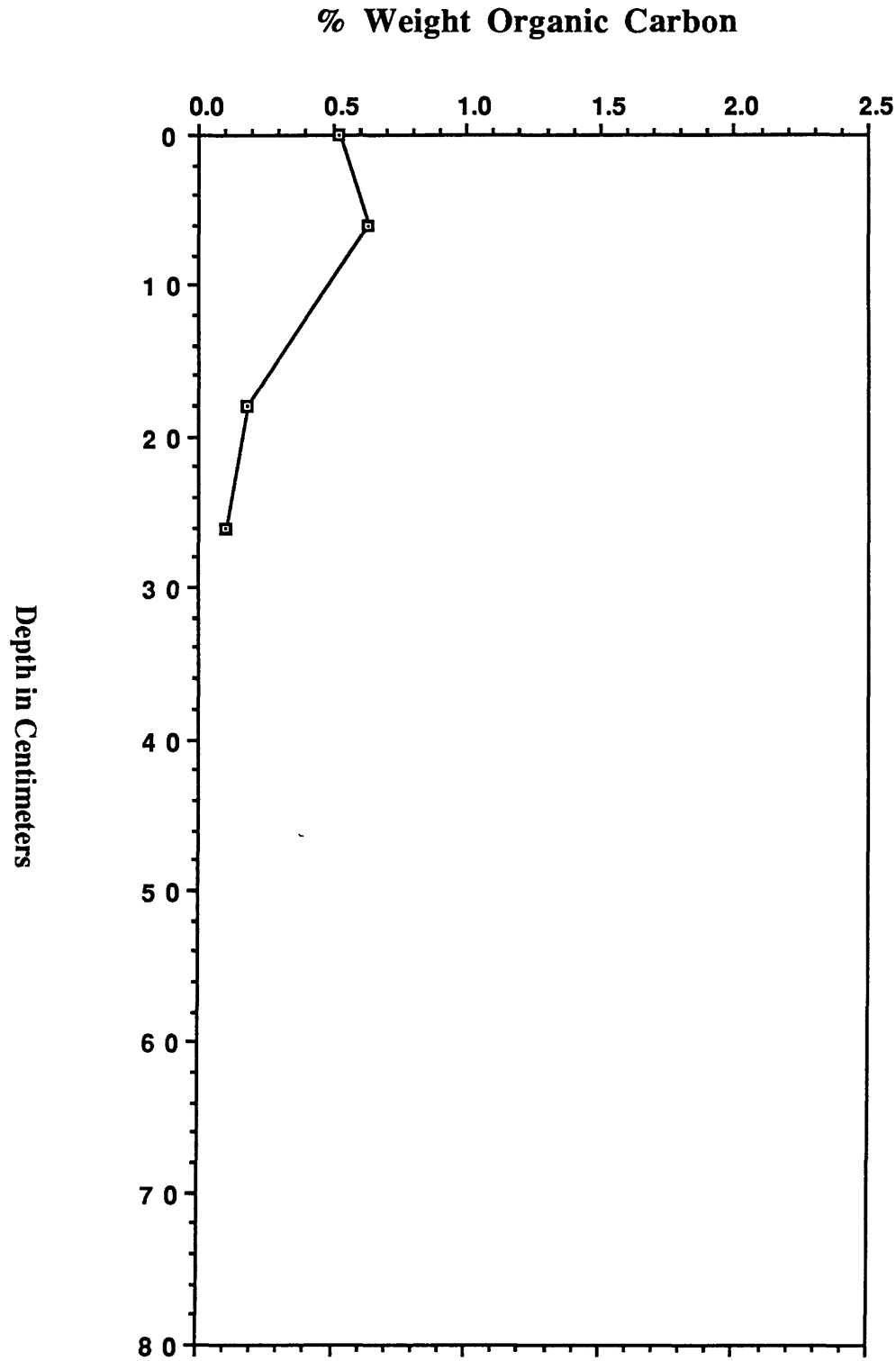


Figure 8 continued.

F5-87-B7-2

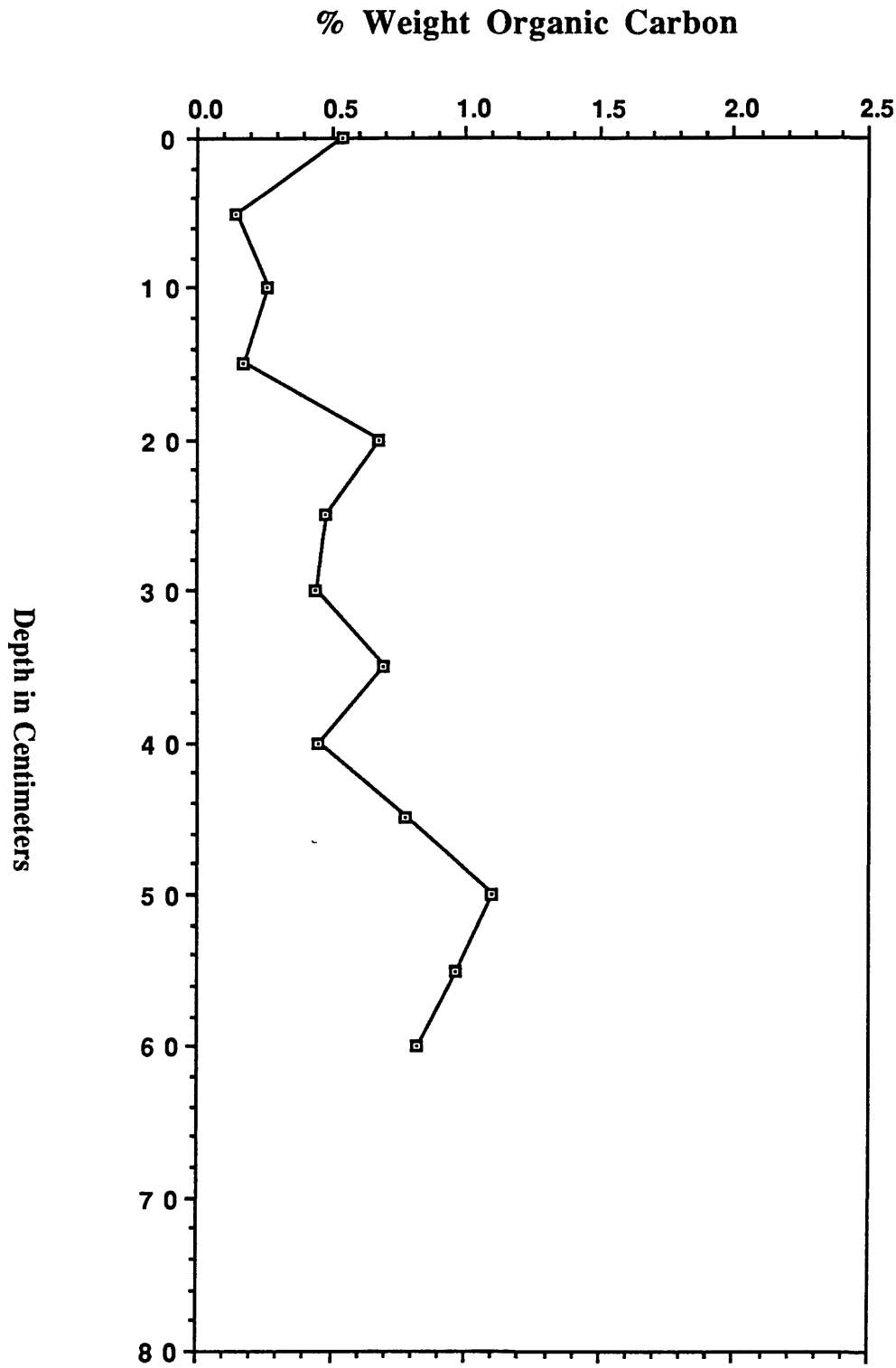


Figure 8 continued.

F5-87-B8-2

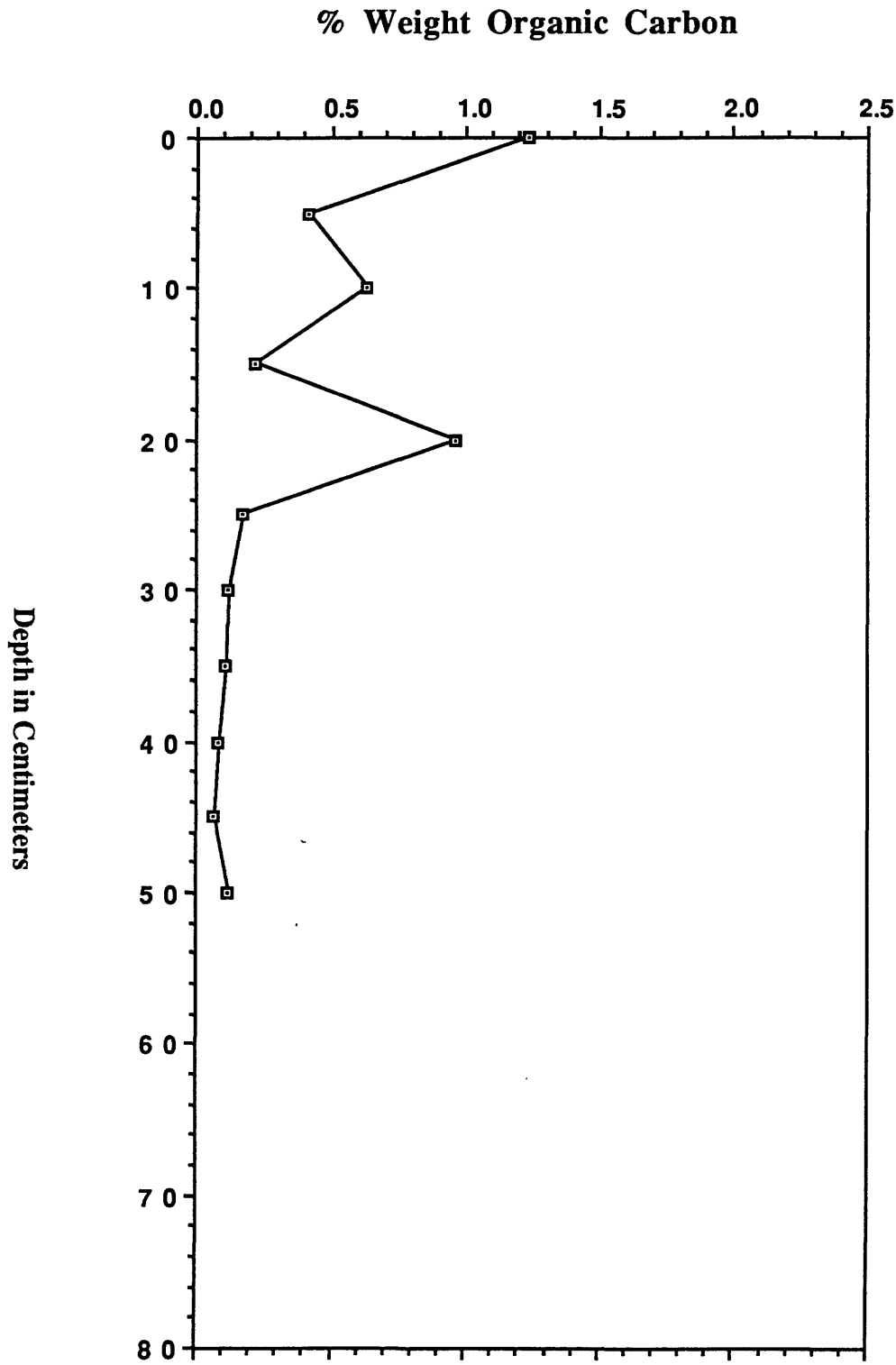


Figure 8 continued.

F5-87-B9-1

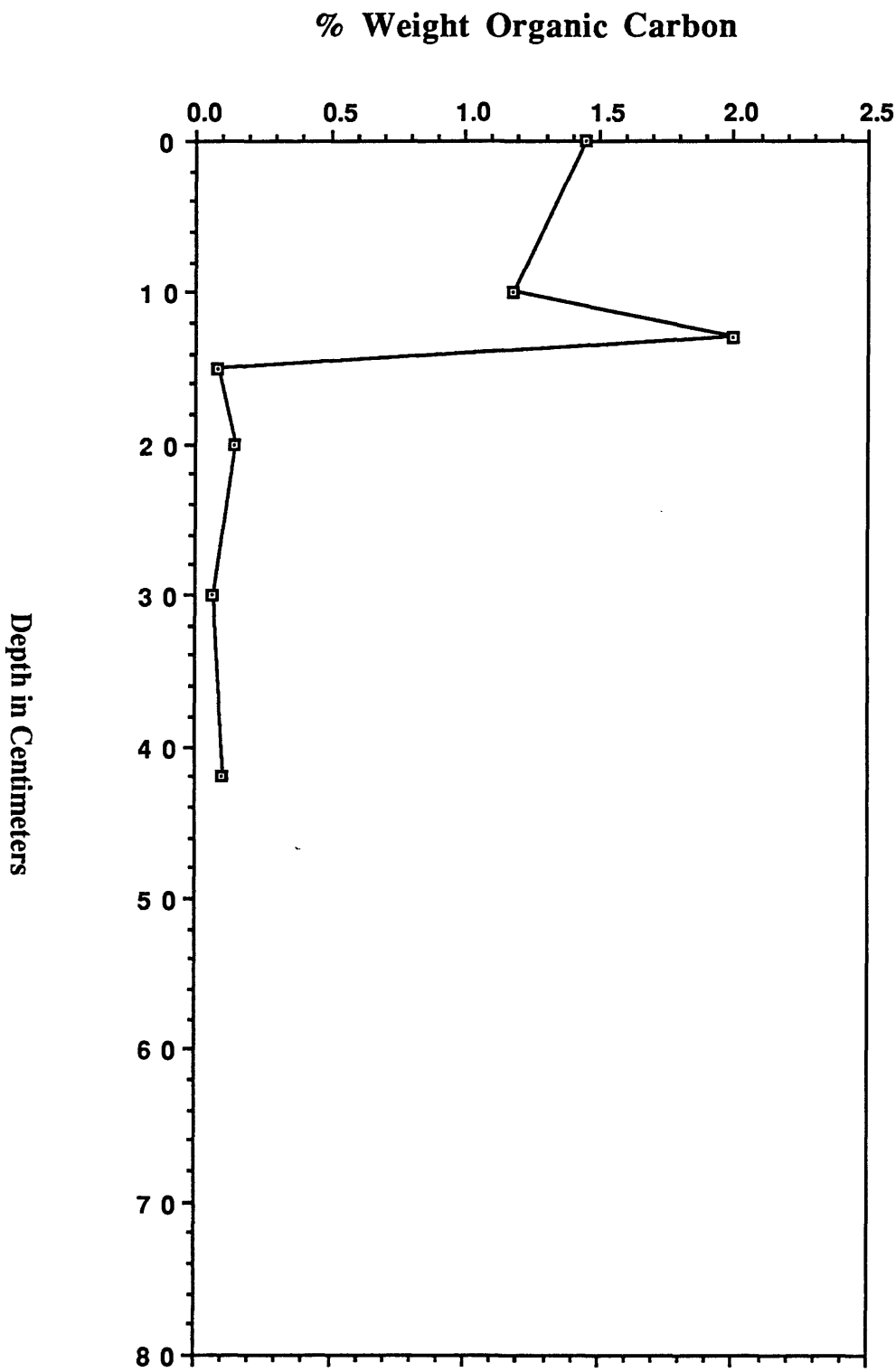


Figure 8 continued.

F5-87-B10-1

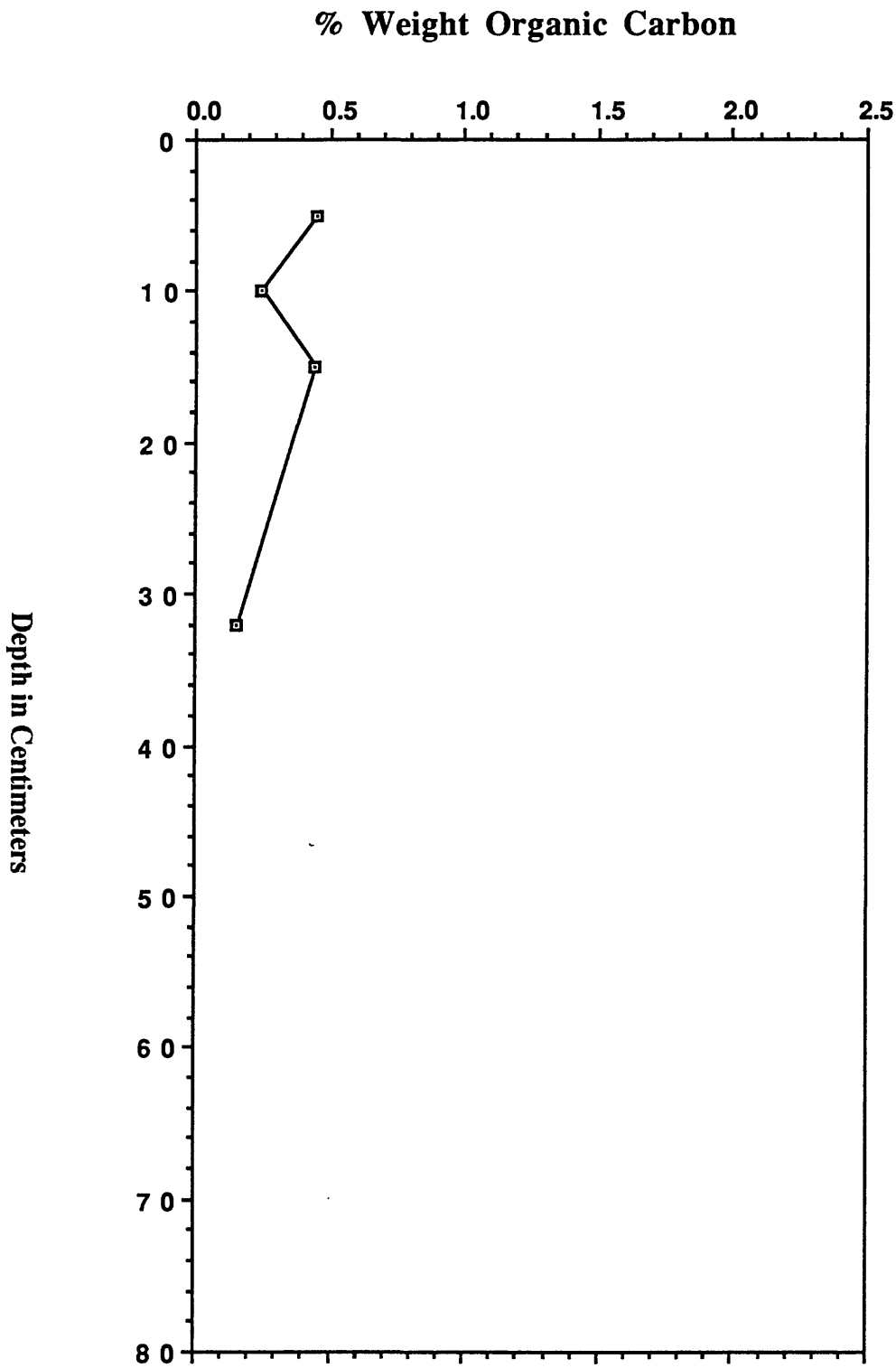


Figure 8 continued.

F5-87-B11-1

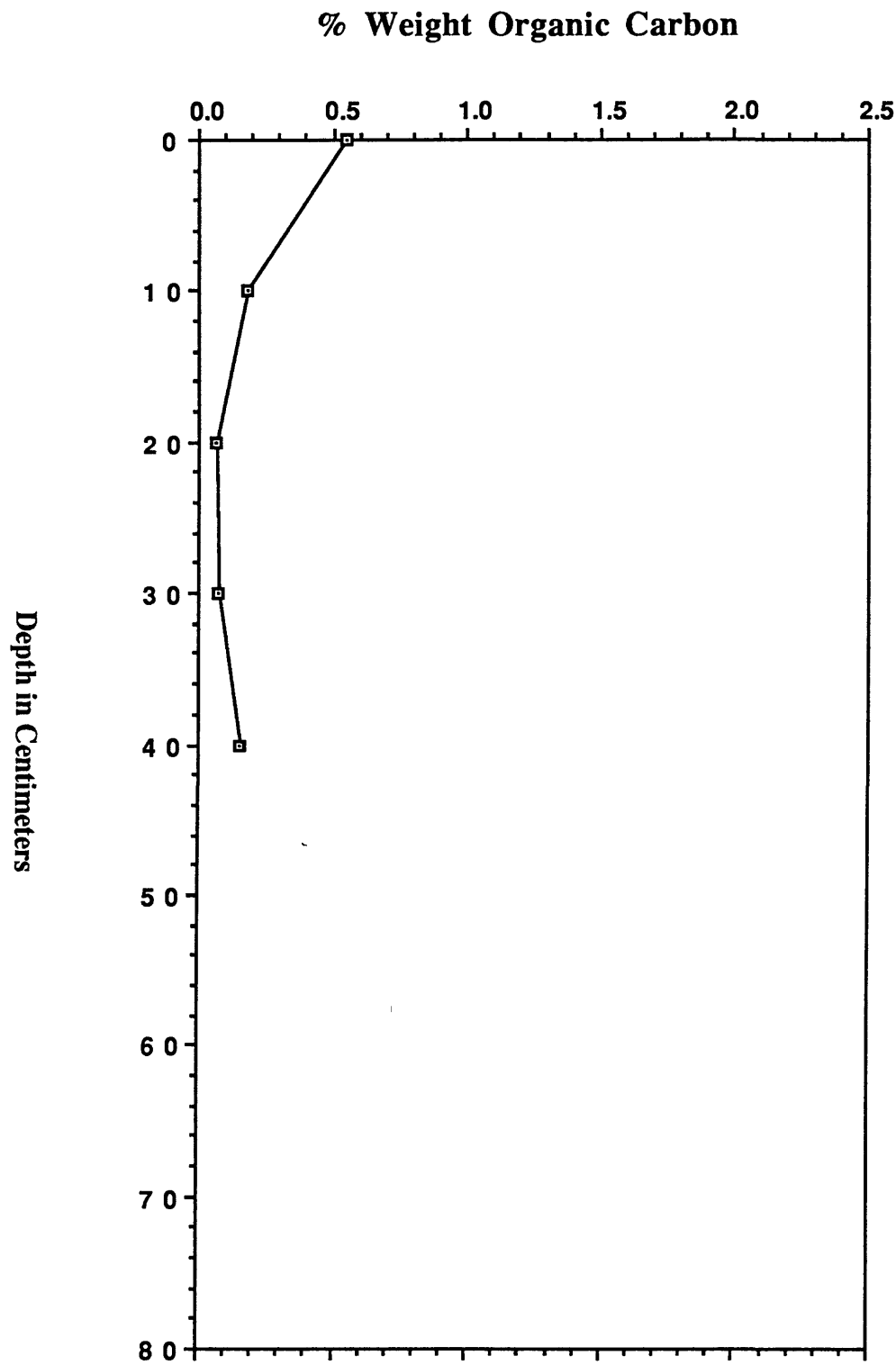


Figure 8 continued.

F5-87-B21-2

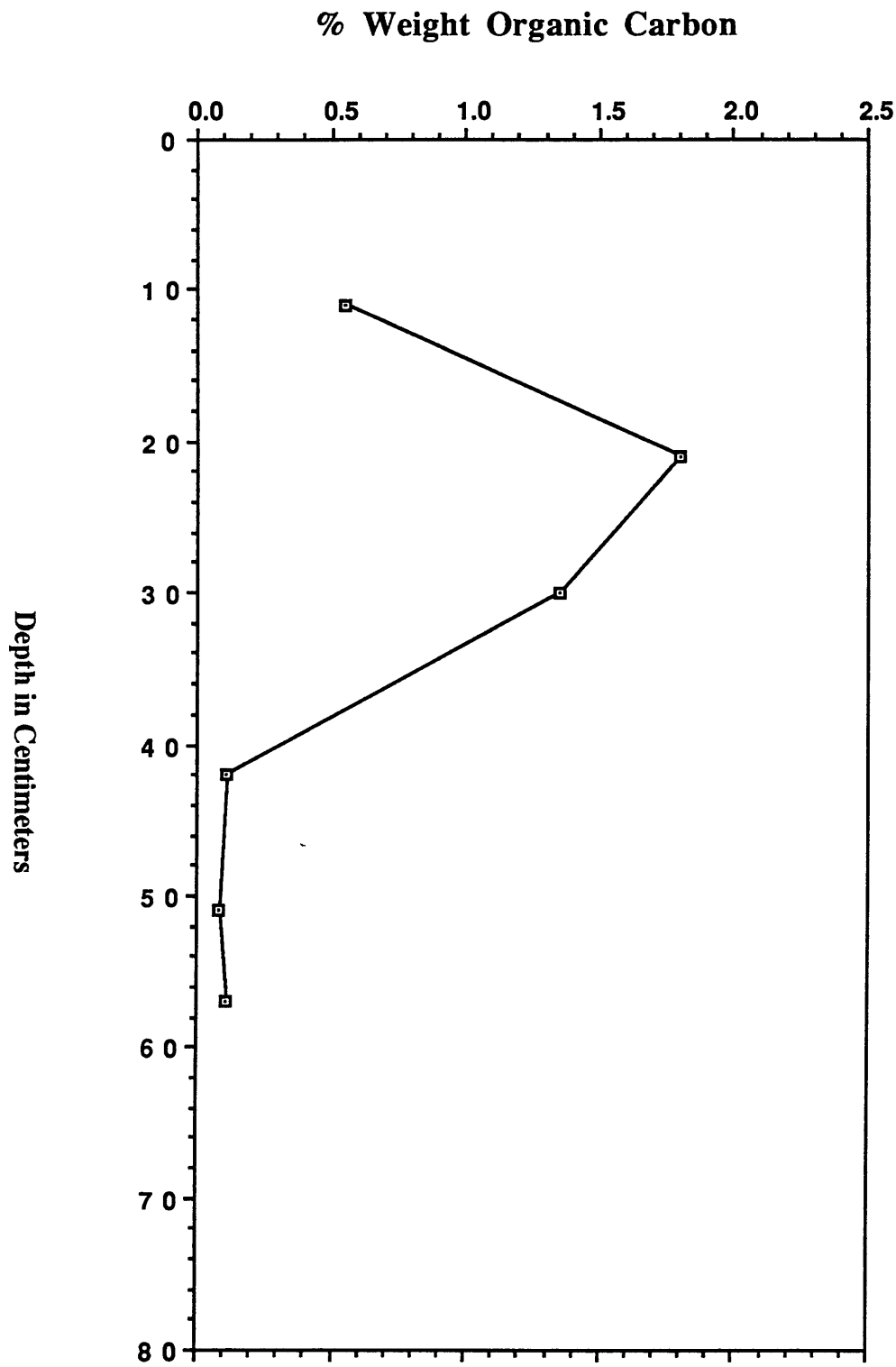


Figure 8 continued.

F5-87-B22-1

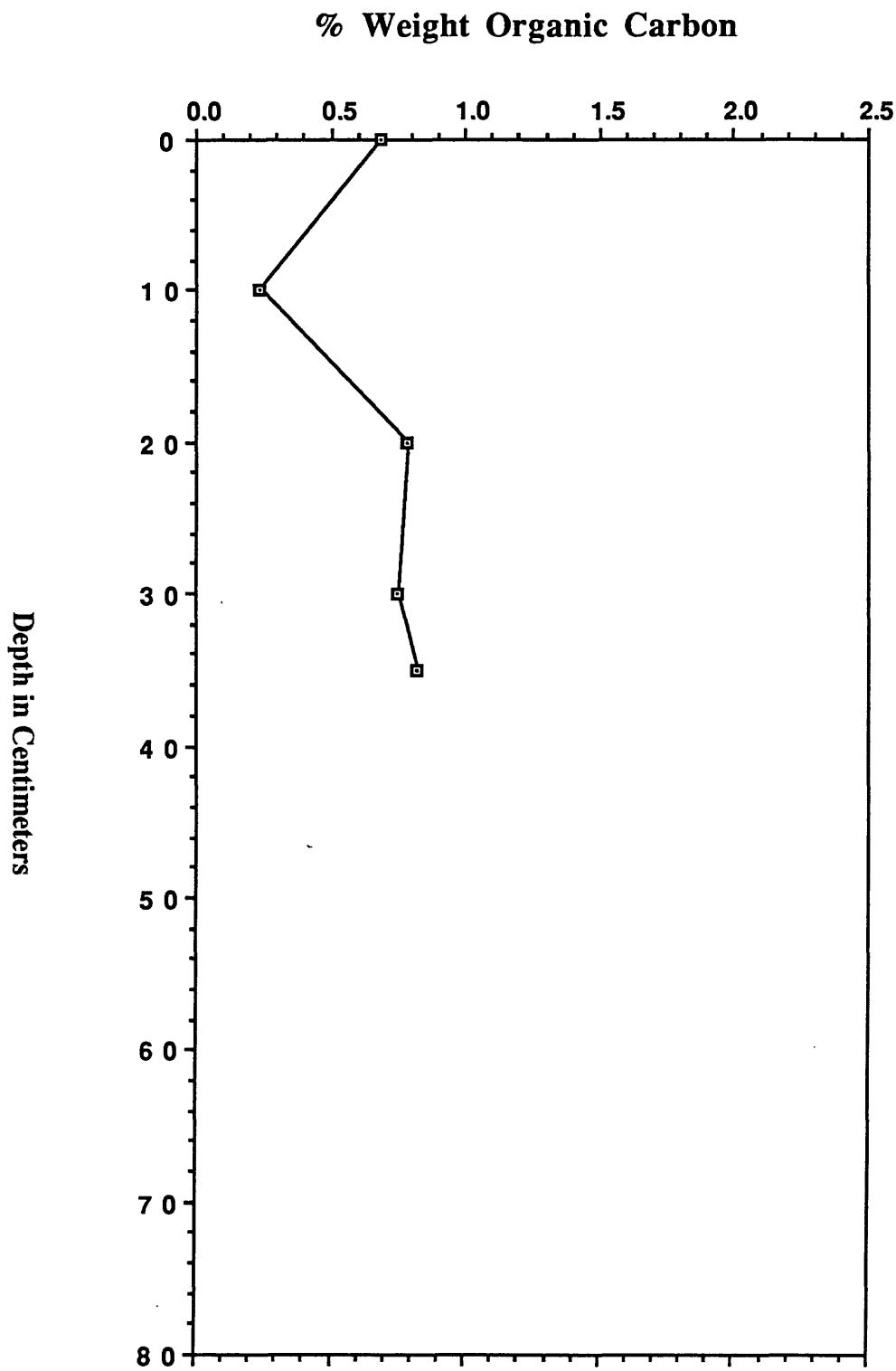


Figure 8 continued.

F5-87-B22-2

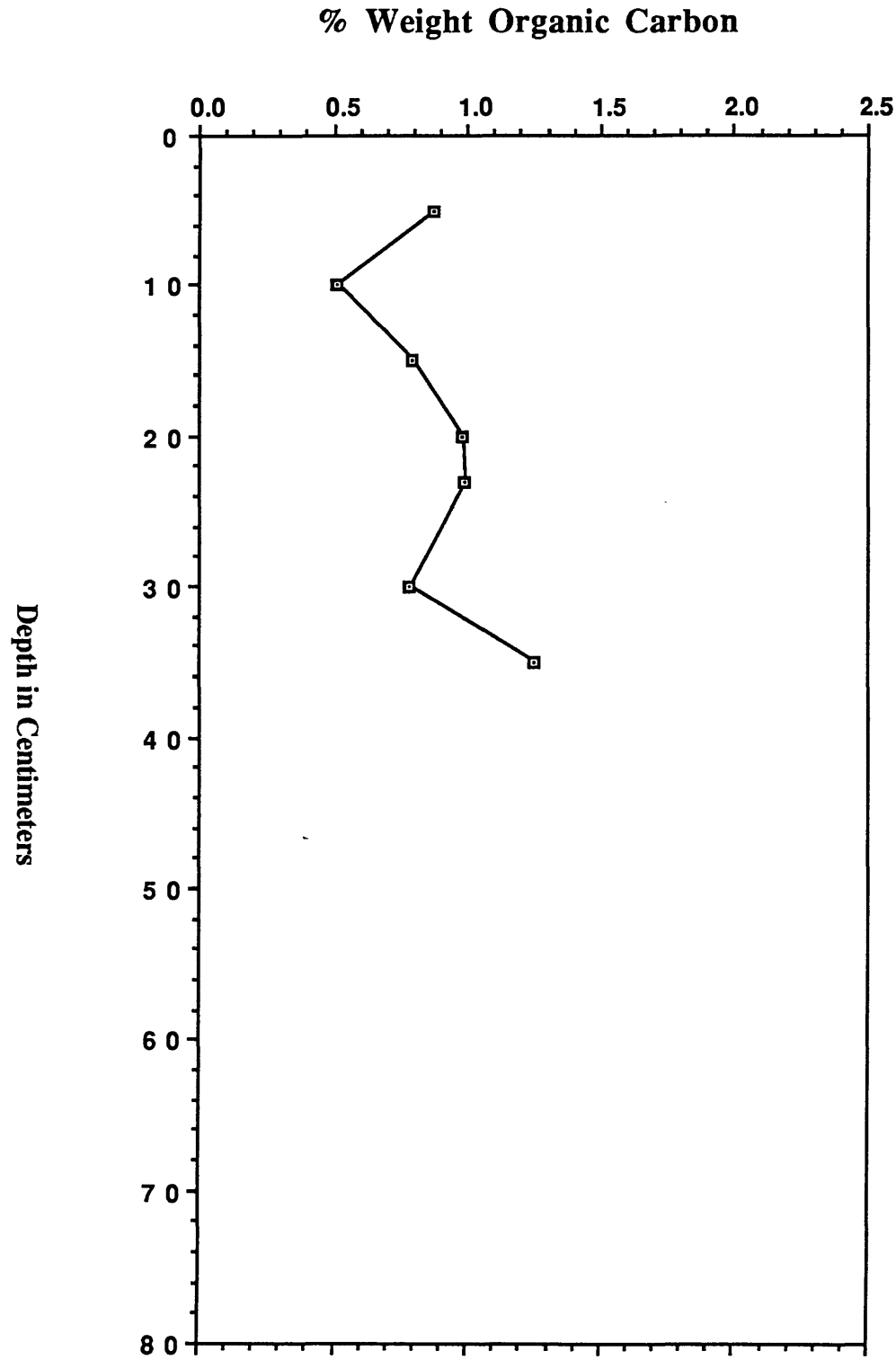


Figure 8 continued.

F5-87-B24-2

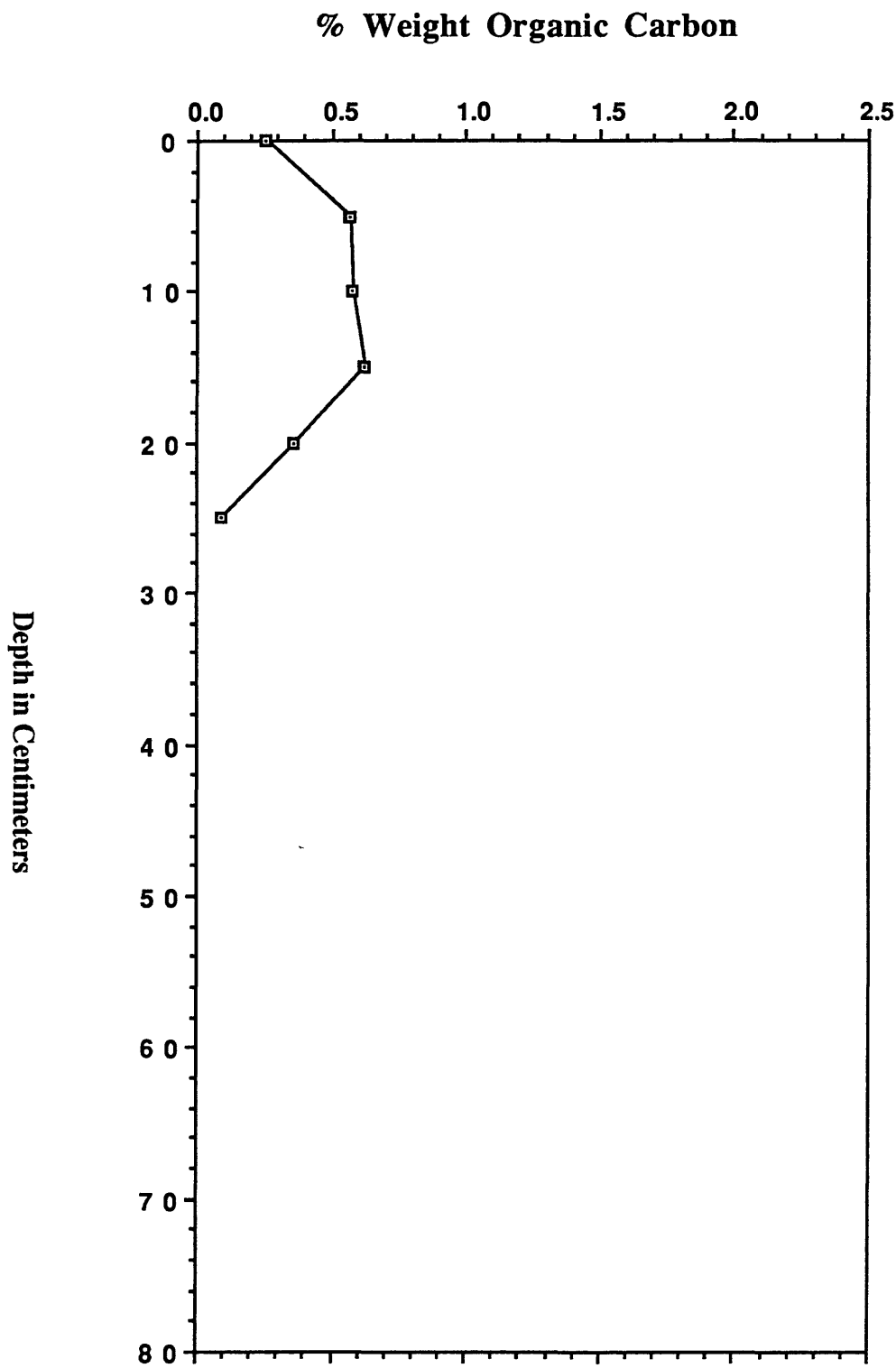


Figure 8 continued.

F5-87-B25-2

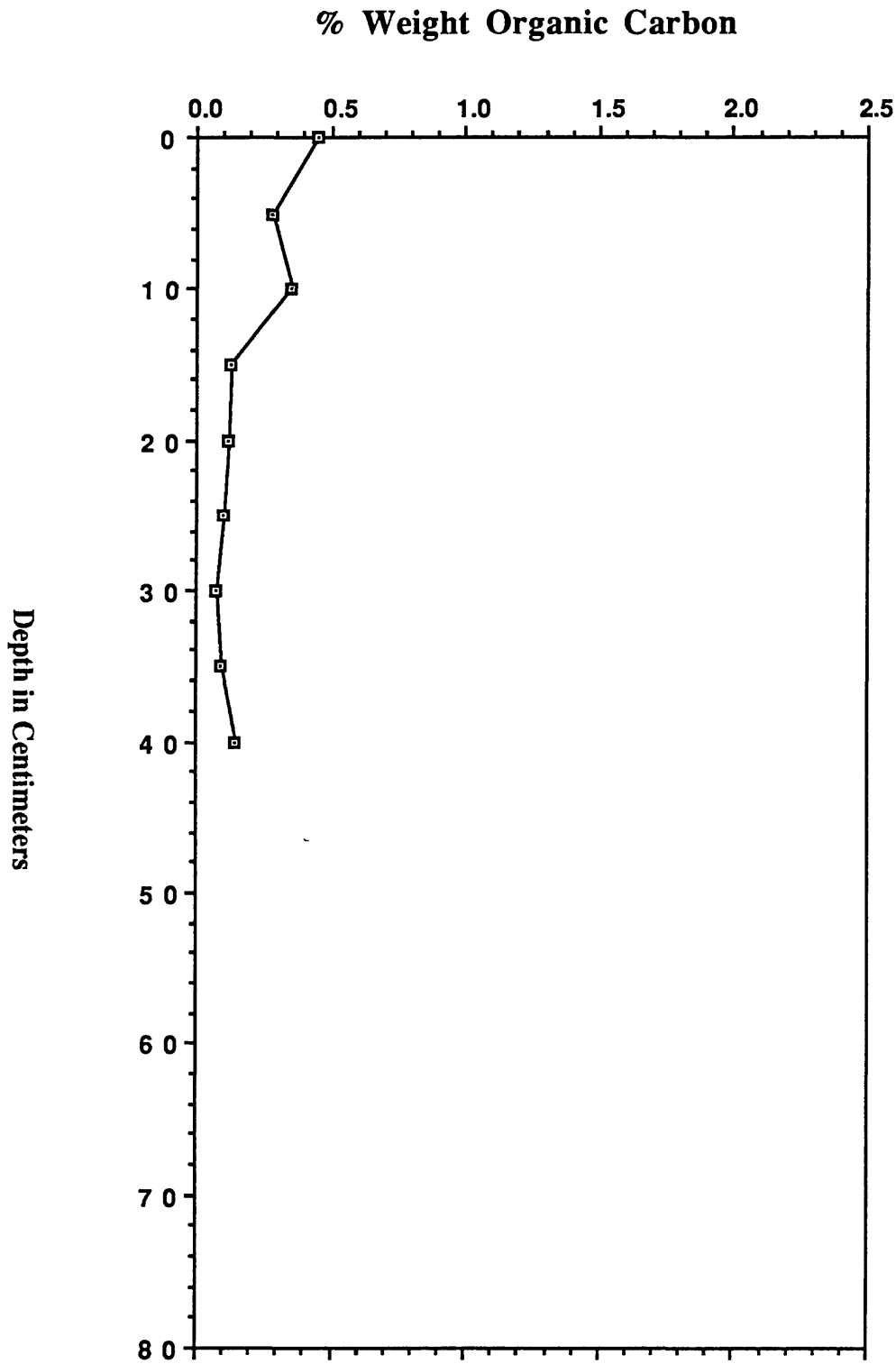


Table 4. Carbon-14 ages.

Cruise	Core	Lat (+)	Lon (-)	Corrected Water Depth (m)	Interval Sampled	C-14 age
F5-87-SC	B1	34 14.72	124 13.76	4445	44.5 cm	10340 ± 170 BP
F5-87-SC	B6	34 11.17	124 09.87	4440	total washed sample	10790 ± 160 BP
F5-87-SC	B7	34 10.86	124 08.29	4435	42 cm, hard layer	15270 ± 200 BP
F5-87-SC	B10	34 10.71	124 05.66	4440	washed sample	6510 ± 125 BP
F5-87-SC	B11	34 12.01	124 07.40	4433	5-8 cm	17670 ± 205 BP
F1-88-SC	B21	34 11.34	124 07.83	3562	18-20 cm	11530 ± 80 BP
F1-88-SC	B22	34 08.67	124 07.41	4441	Bulk wash	15590 ± 130 BP
F3-89-SC	P31	34 19.30	124 22.53	4452	88-92 cm	11840 ± 360 BP
F3-89-SC	P31	34 19.30	124 22.53	4452	490-498 cm	> 34430 BP
F3-89-SC	P39	34 06.51	124 19.10	4470	128-130 cm	15870 ± 140 BP
F3-89-SC	P39	34 06.51	124 19.10	4470	194-212 cm	15060 ± 125 BP
F3-89-SC	P44	34 15.18	124 15.76	4451	131-133 cm	10590 ± 105 BP
F3-89-SC	P47	34 18.12	124 19.79	4446	64-69 cm	12050 ± 125 BP
F3-89-SC	B34	34 33.46	123 47.43	4331	Lower Sand	15175 ± 130 BP