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Title of article Sedimentation in the Chile Trench: Depositional
Morphologies, Lithofacies, and Stratigraphy

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see Bulletin v. 98, p. 33 - 52

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TABLE A. CHILE TRENCH CORE SPECIFICATIONS AND DIGITIZED LITHOLOGIC DESCRIPTIONS

CORE	LAT. (°S)	LONG. (°W)	WATER DEPTH (corr. m)	RECOVERY (cm)	LITHOSTRATIGRAPHIC UNITS (% section)						
					NON- GRADED SAND	GRADED SAND	LAM'D SAND	GRADED, LAM'D SAND	GRADED SILT	LAM'D SILT	GRADED, LAM'D SILT
M-01	25°41.9'	71°32.1'	7725	336	8.0	7.4	1.8	0.0	0.0	29.2	4.5
M-02	27°54.8'	72°01.2'	-6150	476	0.0	0.0	0.0	0.0	0.6	3.8	0.0
M-03	29°16.7'	72°19.1'	6442	490	4.1	1.4	0.0	3.7	0.8	0.0	7.8
M-04	42°06.6'	75°35.1'	3840	363	0.0	3.9	1.1	0.0	5.0	2.2	6.1
M-05	42°04.0'	75°26.9'	3861	510	0.8	1.2	0.0	2.4	0.0	2.5	2.1
M-06	42°01.3'	75°29.8'	3858	155	0.0	0.0	0.0	0.0	0.0	0.0	3.9
M-07	42°04.2'	75°44.6'	3829	320	9.1	0.0	0.3	0.0	7.2	0.6	7.2
M-08	42°02.5'	75°48.7'	3816	206	0.0	0.0	0.0	0.0	5.8	1.5	8.7
M-09	41°57.9'	75°41.0'	3834	451	11.1	2.2	0.0	0.0	3.5	0.4	0.0
M-10	42°04.9'	75°32.2'	3849	346	0.0	1.2	1.4	0.0	2.9	6.4	2.0
M-11	40°29.0'	75°14.6'	4101	420	5.0	1.4	1.7	2.1	0.5	2.1	1.2
M-12	40°29.7'	75°08.7'	4116	469	1.3	1.9	2.1	2.3	3.8	7.0	0.0
M-13	39°39.4'	75°10.3'	4413	166	19.3	10.8	15.7	19.3	9.6	2.4	0.0
M-14	39°39.6'	75°11.3'	4307	370	0.0	11.0	0.0	7.9	10.4	0.8	5.1
M-15	39°39.9'	75°14.8'	4219	416	1.9	10.6	5.0	4.6	2.4	0.0	3.1
M-16	39°44.7'	74°59.0'	4338	442	27.8	0.7	10.9	3.2	0.7	3.6	0.0
M-17	36°53.8'	74°38.9'	4787	380	17.1	5.3	2.1	4.7	0.8	0.0	0.0
M-18	36°51.2'	74°25.4'	4608	404	10.4	0.7	9.4	0.0	0.0	3.0	0.0
M-19	36°51.7'	74°29.6'	4666	292	0.0	6.2	0.0	0.0	26.4	0.0	0.0
M-20	32°31.1'	72°41.9'	5994	298	3.4	0.0	0.0	0.0	2.0	0.0	0.0
F-01	32°57.3'	72°42.9'	5584	373	0.0	39.2	0.5	0.0	1.6	2.1	2.7
F-03	30°34.4'	72°37.5'	5862	730	0.0	1.1	0.0	0.0	0.7	1.2	6.6
Y-73	33°08.9'	72°44.3'	5412	214	1.4	32.7	0.0	0.0	4.7	0.0	0.0
Y-81	27°34.4'	71°51.3'	6118	905	0.7	0.3	0.7	0.0	0.0	10.2	7.4
Y-87	25°01.0'	71°25.5'	6880	65	0.0	0.0	1.5	0.0	0.0	24.6	0.0
W-22	23°18.7'	71°20.0'	8080	97	0.0	8.2	0.0	0.0	6.2	5.2	10.3
W-24	23°19.2'	71°07.7'	5107	156	0.0	1.3	0.0	0.0	0.0	13.5	0.0

Note: All cores reside in the refrigerated curation facility of the College of Oceanography, Oregon State University. Prefixes identify oceanographic cruises: M -- R/V Melville, 1980; W -- R/V Wecoma, 1977; F -- R/V Melville, 1975; Y -- R/V Yaguina, 1974.

TABLE B. Q-MODE FACTOR SCORES

	CHANNEL factor	LEVEE factor	BASIN factor	CONTOURITE factor
Non-Graded SAND	0.675	-0.029	-0.012	-0.066
Graded SAND	0.061	0.726	-0.009	0.037
Laminated SAND	0.491	-0.111	-0.035	0.135
Graded, Lam'd SAND	0.534	-0.080	0.129	-0.046
Graded SILT	0.099	0.665	0.165	0.027
Laminated SILT	-0.003	-0.037	0.014	0.986
Graded, Lam'd SILT	-0.061	-0.099	0.977	-0.009

TABLE C. Q-MODE FACTOR LOADINGS AND COMMUNALITIES

	COMMUN.	CHANNEL FACTOR	LEVEE FACTOR	BASIN FACTOR	CONTOURITE FACTOR
M-01	0.927	0.229	0.061	0.218	0.908
M-02	0.957	0.017	0.095	0.047	0.972
M-03	0.898	0.447	-0.033	0.834	-0.046
M-04	0.935	0.118	0.429	0.830	0.220
M-05	0.622	0.485	-0.026	0.546	0.296
M-06	0.968	-0.061	-0.099	0.977	-0.009
M-07	0.743	0.393	0.271	0.718	0.014
M-08	0.933	-0.006	0.229	0.933	0.101
M-09	0.550	0.665	0.324	0.049	-0.013
M-10	0.908	0.204	0.264	0.417	0.789
M-11	0.983	0.922	0.002	0.277	0.237
M-12	0.858	0.592	0.271	0.125	0.647
M-13	0.833	0.899	0.099	0.104	0.068
M-14	0.664	0.443	0.497	0.470	0.020
M-15	0.686	0.699	0.298	0.323	0.065
M-16	0.872	0.922	-0.086	0.001	0.123
M-17	0.901	0.943	0.088	0.057	-0.039
M-18	0.597	0.734	-0.098	-0.034	0.216
M-19	0.626	0.107	0.766	0.161	0.033
M-20	0.510	0.601	0.375	0.089	-0.037
F-01	0.579	0.075	0.739	0.127	0.106
F-03	0.972	-0.047	0.019	0.978	0.111
Y-73	0.740	0.116	0.851	0.027	0.039
Y-81	0.975	0.035	-0.099	0.731	0.655
Y-87	0.998	0.064	-0.052	0.009	0.996
W-22	0.991	0.010	0.424	0.857	0.276
W-24	0.973	0.002	0.020	0.014	0.986
VARIANCE		24.126	11.644	25.767	20.687

Note: The spatial distribution of the factor loadings is depicted in histogram form in Figure 15.