TABLE 2 (continued)

Identification number	Bulk density	Mode	p = 0.2 kb	p = 0.4 kb	p = 0.6 kb	p = 0.8 kb	p = 1.0 kb	p = 2.0 kb	p = 4.0 kb	p = 6.0 kb	p = 8.0 kb	p = 10.0 kb
7-61.0-2C ⊥	2.676	P	4.89	4.96	5.02	5.06	5.090	5.194	5.313	5.388	5.442	5.480
Mean	2.712	P	4.87	4.95	5.00	5.04	5.076	5.199	5.343	5.431	5.487	5.525
A ⊥	2.726	S	2.49	2.51	2.54	2.56	2.574	2.621	2.683	2.720	2.740	2.753
B ∥	2.734	S	2.51	2.54	2.56	2.58	2.592	2.650	2.705	2.725	2.734	2.740
C ⊥	2.676	S	2.40	2.42	2.44	2.46	2.472	2.525	2.583	2.614	2.632	2.643
Mean	2.712	S	2.47	2.49	2.51	2.53	2.546	2.599	2.657	2.686	2.702	2.712
7-63.0-11A ⊥	2.780	P	5.59	5.67	5.69	5.71	5.722	5.753	5.790	5.824	5.853	5.882
B ∥	2.697	P	5.30	5.33	5.36	5.37	5.382	5.417	5.463	5.508	5.549	5.590
C ⊥	2.881	P	5.98	6.02	6.04	6.06	6.074	6.113	6.155	6.192	6.225	6.256
Mean	2.786	P	5.62	5.67	5.70	5.71	5.726	5.761	5.803	5.841	5.876	5.909
A ⊥	2.780	S	3.04	3.06	3.07	3.08	3.085	3.102	3.117	3.127	3.133	3.141
B ∥	2.697	S	2.78	2.81	2.83	2.84	2.857	2.908	2.958	2.982	3.000	3.012
C ⊥	2.881	S	3.24	3.25	3.25	3.26	3.265	3.290	3.326	3.348	3.359	3.364
Mean	2.786	S	3.02	3.04	3.05	3.06	3.069	3.100	3.134	3.152	3.164	3.172
7-63.0-10A ⊥	2.826	P	5.79	5.82	5.83	5.85	5.861	5.903	5.943	5.968	5.989	6.009
B ⊥	2.836	P	5.79	5.81	5.82	5.84	5.846	5.883	5.925	5.957	5.987	6.015
Mean	2.831	P	5.79	5.82	5.83	5.85	5.854	5.893	5.934	5.963	5.988	6.012
A ⊥	2.826	S	3.11	3.12	3.13	3.14	3.144	3.168	3.192	3.202	3.206	3.208
B ⊥	2.836	S	3.13	3.14	3.15	3.15	3.159	3.178	3.200	3.212	3.217	3.221
Mean	2.831	S	3.12	3.13	3.14	3.15	3.152	3.173	3.196	3.207	3.212	3.215
9-77B-54A ∥	2.716	P	5.37	5.38	5.40	5.41	5.424	5.482	5.555	5.602	5.632	5.651
B ⊥	2.693	P	5.32	5.34	5.36	5.37	5.380	5.422	5.493	5.554	5.600	5.639
Mean	2.705	P	5.35	5.36	5.38	5.39	5.402	5.452	5.524	5.578	5.616	5.645
A ∥	2.716	S	2.80	2.81	2.82	2.83	2.836	2.855	2.882	2.894	2.899	2.899
B ⊥	2.693	S	2.66	2.68	2.70	2.71	2.722	2.763	2.814	2.838	2.847	2.849
Mean	2.705	S	2.73	2.75	2.76	2.77	2.779	2.809	2.848	2.866	2.873	2.874
9-79-17A ⊥	2.781	P	5.97	5.98	5.99	6.00	6.014	6.057	6.116	6.152	6.179	6.201
B ⊥	2.686	P	5.74	5.76	5.78	5.80	5.816	5.862	5.926	5.977	6.026	6.074
Mean	2.734	P	5.86	5.87	5.89	5.90	5.915	5.960	6.021	6.065	6.103	6.138
A ⊥	2.781	S	3.13	3.16	3.17	3.19	3.195	3.222	3.250	3.264	3.270	3.271
B ⊥	2.686	S	2.81	2.86	2.90	2.91	2.926	2.960	2.998	3.017	3.027	3.029
Mean	2.734	S	2.97	3.01	3.04	3.05	3.061	3.091	3.124	3.141	3.149	3.150
9-82-7A	2.801	P	5.67	5.75	5.81	5.87	5.910	6.050	6.198	6.286	6.343	6.369
B	2.801	S	2.84	2.94	3.00	3.05	3.096	3.227	3.350	3.403	3.430	3.440
9-84-30A ⊥	2.809	P	5.76	5.80	5.82	5.83	5.848	5.882	5.921	5.979	6.041	6.071
B ∥	2.812	P	5.84	5.86	5.88	5.89	5.899	5.931	5.986	6.042	6.084	6.114
Mean	2.811	P	5.80	5.83	5.85	5.86	5.874	5.907	5.954	6.011	6.063	6.093
A ⊥	2.809	S	2.98	2.99	2.99	3.00	3.006	3.025	3.047	3.061	3.066	3.070
B ∥	2.812	S	3.07	3.07	3.08	3.08	3.087	3.100	3.117	3.128	3.135	3.139
Mean	2.811	S	3.03	3.03	3.04	3.04	3.047	3.063	3.082	3.095	3.101	3.105
9-83-9A ⊥	2.833	P	5.77	5.80	5.82	5.84	5.853	5.929	6.019	6.076	6.111	6.145
A ⊥	2.833	S	3.04	3.06	3.07	3.08	3.087	3.116	3.158	3.181	3.190	3.192

TABLE 3
Effective elastic constants calculated from V_p, V_s, and ρ

Identification number	Pressure [kb]	V_p/V_s	σ	ϕ [km sec^{-1}]^2	K [Mb]	β [Mb^{-1}]	μ [Mb]	E [Mb]	λ [Mb]
5-34-18	0.4	2.02	0.34	9.6	0.21	4.83	0.07	0.20	0.16
	1.0	1.98	0.33	9.6	0.21	4.81	0.08	0.21	0.15
	2.0	1.90	0.31	9.5	0.21	4.85	0.09	0.24	0.15
	6.0	1.82	0.28	10.0	0.22	4.52	0.11	0.29	0.15
	10.0	1.82	0.28	11.0	0.25	4.06	0.12	0.32	0.16
5-32-13	0.4	1.99	0.33	21.2	0.60	1.67	0.23	0.61	0.45
	1.0	1.97	0.33	21.2	0.60	1.67	0.24	0.63	0.44
	2.0	1.94	0.32	21.0	0.60	1.68	0.25	0.65	0.43
	6.0	1.90	0.31	21.1	0.60	1.66	0.27	0.69	0.43
	10.0	1.90	0.31	21.5	0.62	1.62	0.27	0.71	0.44
5-36-14	0.4	1.87	0.30	23.8	0.69	1.44	0.31	0.83	0.48
	1.0	1.87	0.30	24.3	0.71	1.42	0.32	0.84	0.49
	2.0	1.88	0.30	24.9	0.73	1.38	0.33	0.86	0.50
	6.0	1.88	0.30	25.5	0.75	1.34	0.34	0.89	0.52
	10.0	1.89	0.30	26.0	0.77	1.31	0.34	0.90	0.54
6-54-9	0.4	1.84	0.29	22.3	0.64	1.56	0.31	0.80	0.43
	1.0	1.85	0.29	22.9	0.66	1.52	0.31	0.81	0.45
	2.0	1.86	0.30	23.5	0.68	1.48	0.32	0.82	0.47
	6.0	1.88	0.30	24.7	0.72	1.40	0.32	0.84	0.50
	10.0	1.90	0.31	25.5	0.74	1.35	0.33	0.86	0.52
6-54-8	0.4	1.89	0.31	22.6	0.65	1.54	0.29	0.76	0.46
	1.0	1.89	0.31	23.1	0.67	1.50	0.30	0.77	0.47
	2.0	1.89	0.31	23.5	0.68	1.48	0.30	0.79	0.48
	6.0	1.90	0.31	24.6	0.71	1.40	0.31	0.82	0.50
	10.0	1.92	0.31	25.7	0.75	1.34	0.32	0.83	0.54
6-57-3	0.4	1.89	0.31	25.4	0.76	1.32	0.34	0.88	0.53
	1.0	1.89	0.30	25.7	0.77	1.31	0.34	0.90	0.54
	2.0	1.88	0.30	26.0	0.78	1.29	0.35	0.91	0.54
	6.0	1.88	0.30	26.6	0.80	1.25	0.36	0.94	0.56
	10.0	1.89	0.30	27.1	0.82	1.22	0.37	0.96	0.57
7-66.0-11	0.4	2.24	0.38	11.8	0.28	3.60	0.08	0.21	0.23
	1.0	2.11	0.36	11.7	0.27	3.65	0.09	0.24	0.22
	2.0	2.01	0.34	11.5	0.27	3.67	0.10	0.27	0.21
	6.0	1.92	0.31	12.3	0.29	3.41	0.12	0.33	0.21
	10.0	1.95	0.32	13.6	0.33	3.05	0.13	0.35	0.24
7-61.1-2	0.4	2.16	0.36	18.5	0.48	2.07	0.15	0.40	0.39
	1.0	2.09	0.35	18.5	0.48	2.08	0.16	0.43	0.38
	2.0	2.05	0.34	18.5	0.48	2.07	0.17	0.46	0.37
	6.0	2.01	0.34	19.2	0.51	1.97	0.19	0.50	0.38
	10.0	2.03	0.34	20.1	0.53	1.87	0.19	0.51	0.41
7-61.0-2	0.4	1.99	0.33	16.3	0.44	2.26	0.17	0.44	0.33
	1.0	1.99	0.33	17.1	0.46	2.15	0.18	0.47	0.35
	2.0	2.00	0.33	18.0	0.49	2.04	0.18	0.49	0.37
	6.0	2.02	0.34	19.7	0.54	1.85	0.20	0.53	0.41
	10.0	2.04	0.34	20.5	0.57	1.77	0.20	0.54	0.43