Table 1. --Major oxides, minor elements, partial norms, and rock classes of samples from the Isla de Mona Dolomite, Isla de Mona, P. R.

[Chemical analyses for major oxides by U. S. Geological Survey laboratories; analysts P. Elmore, H. Smith, L. Artis, G. Chloe, S. Botts, and J. Glenn. Semiquantitative spectrographic analyses for minor elements by U. S. Geological Survey laboratories; analysts J. L. Harris and W. B. Crandell. Elements looked for but not detected: Ag, As, Au, Be, Bi, Cd, Ce, Co, Eu, Ga, Ge, Hf, Hg, In, La, Li, Mo, Nb, Ni, Pd, Pt, Re, Sb, Sc, Sn, Ta, Te, Th, Tl, U, V, W, Y, Yb, Zn, Zr. 0 = not detected.]

Field number	M-8A	M-8B	M-9	M-12	M-13A	M-13B	M-13C	M-14	M-17	M-22A	M-25	M-27	M-30	M-33B
Laboratory number	W167658	W167659	W167664	W167673	W167665	W167674	W167669	W167666	W167667	W167660	W167661	W167662	W167670	W167663
Location coordinates[1]	28,300 N.; 2,600 E.	28,300 N.; 2,600 E.	28,330 N.; 2,530 E.	26,220 N.; 480 E.	29,710 N.; 130 E.	29,710 N.; 130 E.	29,710 N.; 130 E.	25,560 N., 530 W.	25,890 N.; 3,220 W.	30,870 N.; 6,600 W.	30,590 N.; 2,780 E.	31,620 N.; 6,500 W.	29,090 N.; 3,080 W.	32,220 N.; 3,210 W.
Location description	West of Punta Este, 2 m above sea level, type locality	West of Punta Este, 5 m above sea level, type locality	West of Punta Este, and M-8, 20 m above sea level	Between Playa de Pájaros and Punta los Ingleses, base of cliff section	Punta los Ingleses, 3 m above sea level	Punta los Ingleses, 10 m above sea level	Punta los Ingleses, 11 m above sea level	Between Punta los Ingleses and Punta Brava, base of cliff section	North of Playa del Uvero, base of cliff section	South of Punta El Capitán, 5 m above sea level	Between Light Station and Cabo El Toro, top of cliff	Cabo Barrionuevo, just below Lirio Limestone-Isla de Mona Dolomite contact	Bajura de los Cerezos, at point where Camino los Cerezos enters lowland	East of Cabo Noroeste, just west of fault, 10 m in from cliff edge
Major oxides (percent)														
SiO_2	0.16	0.00	0.00	0.00	0.00	0.16	0.31	1.0	0.16	0.00	0.00	0.00	0.00	0.00
Al_2O_3	.00	.00	.00	.00	.00	.10	.10	.18	.17	.00	.00	.00	.00	.00
Fe_2O_3	.00	.00	.00	.00	.00	.00	.04	.05	.04	.00	.00	.00	.00	.00
FeO	.00	.00	.00	.00	.00	.00	.04	.06	.04	.00	.00	.00	.00	.00
MgO	18.2	17.5	11.2	17.8	18.3	18.2	16.6	5.6	17.0	17.7	18.0	18.2	17.9	19.1
CaO	33.7	33.7	41.5	34.4	32.9	33.4	34.1	47.7	34.7	34.5	34.5	33.9	34.6	33.3
Na_2O	.20	.07	.20	.52	.20	.72	.22	.03	.30	.05	.06	.05	.11	.06
K_2O	.00	.00	.00	.11	.10	.16	.12	.04	.10	.00	.00	.00	.12	.00
H_2O^-	.15	.24	.82	.17	.59	.40	1.1	.30	1.3	.16	.10	.25	.07	.08
H_2O^+	.45	.36	.28	.40	.41	.70	.70	.90	.10	.42	.46	.47	.46	.19
TiO_2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
P_2O_5	.06	.05	.08	.10	.08	.14	.12	.22	.09	.05	.09	.17	.06	.04
MnO	.00	.05	.03	.11	.04	.10	.00	.07	.00	.00	.00	.00	.00	.07
CO_2	46.9	47.1	45.1	46.1	45.9	45.7	44.1	43.3	45.7	47.1	46.6	46.3	46.7	47.2
HCl-soluble S as SO_3	.20	.48	1.7	.11	1.4	.44	2.0	.25	1.1	.11	.12	.46	.12	.11
Sum	100	100	101	100	100	100	100	100	101	100	100	100	100	100
Minor elements (percent)														
B	0	0	0	0	0.003	0	0	0.003	0	0	0	0	0	0
Ba	.0005	.0003	.0003	.0003	.0003	.0003	.0003	.0005	.0003	.0003	.0003	.0003	.0003	.0003
Cr	0	0	.001	.0003	.0003	.0003	.0007	.001	.002	0	.0005	.0007	.0007	.0003
Cu	.0007	.0005	.0005	.0005	.0005	.0007	.0007	.002	.001	.0005	.0003	.0007	.0002	.0005
Pb	0	0	0	0	.0007	0	.003	0	0	0	.001	0	.0005	.007
Sr	.01	.015	.015	.015	.015	.01	.015	.03	.015	.015	.015	.015	.01	.015
Partial norms														
Calcite	15.3	17.2	45.4	16.9	12.4	13.3	17.9	70.8	18.9	18.1	16.6	14.7	17.0	11.9
Dolomite	83.3	80.1	51.2	81.4	83.7	83.3	75.9	25.6	77.8	81.0	82.4	83.3	81.9	87.4
Gypsum	.43	1.0	3.7	.24	3.0	.95	4.3	.54	2.4	.24	.26	.99	.26	.24
Apatite	.14	.12	.19	.23	.19	.32	.28	.51	.21	.12	.21	.49	.14	.09
Rock classification (of Pettijohn, 1949, p. 312)														
	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Dolomitic limestone	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite	Calcitic dolomite

[1] Coordinates are those of the Puerto Rican rectangular coordinate system; locations are reported to the nearest 10 m.

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.