Table 2.--Major oxides, minor elements, partial norms, and rock classes of samples from Lirio Limestone, Isla de Mona, P. R.

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

Field number	M-7	M-31	M-33A	2/	2/
Laboratory number	W167668	W167671	W167672	----------	----------
Location coordinates 1/	28,430 N.; 2,850 E.	29,200 N.; 600 E.	32,220 N.; 3,210 W.	----------	----------
Location description	Cueva del Lirio	Cuevas del Centro, bottom of sink-hole	East of Cabo Noroeste, just east of fault, 10 m in from cliff edge	Playa de Pájaros, upland surface	Playa de Pájaros, base of cliff
Major oxides (percent)					
SiC_2	0.00	0.16	0.00	N. R.	N. R.
Al_2O_3	.00	.10	.00	N. R.	N. R.
Fe_2O_3	.00	.00	.00	N. R.	N. R.
FeO	.00	.04	.00	N. R.	N. R.
MgO	.95	.70	1.1	.16	1.9
CaO	54.1	54.1	54.2	55.0	52.4
Na_2O	.30	.02	.07	N. R.	N. R.
K_2O	.10	.20	.04	N. R.	N. R.
H_2O^-	.45	.18	.10	N. R.	N. R.
H_2O^+	.30	.42	.58	N. R.	N. R.
TiO_2	.00	.00	.00	N. R.	N. R.
P_2O_5	.12	.13	.09	.00	.00
MnO	.00	.03	.03	N. R.	N. R.
CO_2	43.3	43.4	43.8	N. R.	N. R.
HCl-soluble S as SO_3	.65	.00	.08	N. R.	N. R.
Sum	100	99	100	—	—
Minor elements (percent)					
Ba	0.0003	0.0003	0.0003	3/	3/
Cr	0	0	.0003		
Cu	.0005	.0007	.0003		
Sr	.02	.015	.05		
Partial norms					
Calcite	93.0	94.4	93.8	4/ 98	4/ 88
Dolomite	4.3	3.2	5.0	4/ 1	4/ 9
Gypsum	1.4	0	.17	Unknown	Unknown
Apatite	.28	.30	.21	0	0
Rock classification (of Pettijohn, 1949, p. 312)					
	Limestone	Limestone	Magnesian limestone	Limestone	Magnesian limestone

1/ Coordinates are those of the Puerto Rico rectangular coordinate system; locations are reported to the nearest 10 m.

2/ Sample from Kaye (1959, table 1).

3/ Not analyzed spectrographically.

4/ Approximate.