Supplementary information # 8: Characteristic values for adakites, bajaites and high magnesian andesites relative to rocks from this study. The youngest rocks from this study display magnesian andesite characteristics, while older rocks all display calcalkaline trends. Oxides presented in weight percent, and trace elements in ppm.

	Literature Values			This Study	
	Adakite (Moyen 2009; Castillo 2012)	Bajaite [1] (Calmus et al. 2003)	High-magnesian andesite [2] (Conly et al. 2005)	High-magnesian andesite [2]	Calcalkaline [1,2]
SiO_2	>56	>50-58	47-60	57-59	55-65
Al_2O_3	>15	15-17	16-17	16-18	16-20
MgO	<3	3.3-9.2	3.3-3.8	3.5-4	1-5
Na_2O	3-7.5	4.2-4.5	4.3-4.6	4.5-5	3-5
K_2O	2	>2		2-3.5	0.5-3
Sr	400-2000	1600-2000	1000-2000	1600-2000	300-1200
Y	≤18	12.5-14	11-12	10-15	11-30
Nb	2-11	6-12	4-16	5-11	2-30
La		16-84	28-40	25-40	8-40
Sr/Y	>20	119-142	100-165	135-165	18-85
Ba	<700	<2300	626-1352	800-1360	130-1000
Fe/Mg		<1.5	1.6-1.8	1.5-1.6	1.5-3.0
La/Yb	>20	3-4	23-37	32-40	5-21
Ce/Y		5-7		5-7	1-5

1 Samples in the area of Santa Rosalía North near the Minera Boleo
2 Samples from Santa Rosalía South on Cerro San Lucas