Table SD11. Summary of sample locations, rock units, major and trace element geochemistry, and isotopic data from the western San Emigdio mafic complex and the Bean Canyon pendant.

Sample	*09SE21A*	*09SE21B*	*09SE32B*	*07TM9*	*07TM10*
UTM easting[§]	295364	295364	295451	374356	374329
UTM northing[§]	3869181	3869181	3869123	3872473	3872628
Unit[#]	WSEMC	WSEMC	WSEMC	BC	BC
Major elements (Wt. %)					
SiO_2	49.45	48.71	49.70	65.29	67.08
TiO_2	1.32	1.04	1.33	0.55	0.34
Al_2O_3	14.91	17.47	14.85	16.31	17.04
FeO*	9.75	8.24	9.75	4.03	2.76
MnO	0.20	0.14	0.16	0.11	0.06
MgO	7.28	6.35	7.75	1.41	0.97
CaO	12.87	13.77	12.88	1.87	3.35
Na_2O	2.44	2.84	2.35	5.26	5.16
K_2O	0.13	0.10	0.11	3.37	1.26
P_2O_5	0.11	0.09	0.11	0.18	0.10
Sum	98.47	98.74	99.00	98.37	98.14
LOI	0.76	0.81	0.93	0.55	0.81
XRF trace element data (ppm):					
Ni	70	79	49	5	3
Cr	325	316	274	6	4
Sc	47	38	46	13	5
V	284	229	294	59	52
Ba	26	12	27	1073	479
Rb	1	1	0	133	49
Sr	137	147	141	370	197
Zr	77	61	76	166	140
Y	29	23	30	29	14
Nb	3.7	3.0	3.6	13.0	10.2
Ga	16	16	16	16	15
Cu	69	86	73	18	11
Zn	78	64	77	76	53
Pb	0	1	0	10	8
La	4	4	3	32	22
Ce	12	7	18	63	39
Th	0	0	0	11	9
Nd	10	7	10	28	14
U	1	1	0	3	3

Table SD11 (Continued).

Sample	*09SE21A*	*09SE21B*	*09SE32B*	*07TM9*	*07TM10*
ICP-MS trace element data (ppm)					
La	3.24	2.72	3.44	32.63	21.26
Ce	9.56	7.87	9.84	63.22	39.36
Pr	1.61	1.32	1.65	7.43	4.27
Nd	8.71	6.91	8.80	27.72	14.98
Sm	3.12	2.47	3.09	5.69	2.76
Eu	1.22	1.00	1.18	1.49	1.05
Gd	4.18	3.49	4.15	5.14	2.31
Tb	0.78	0.63	0.78	0.82	0.36
Dy	5.21	4.06	5.20	4.95	2.22
Ho	1.10	0.89	1.11	1.03	0.46
Er	3.06	2.40	3.06	2.88	1.38
Tm	0.44	0.35	0.44	0.43	0.22
Yb	2.70	2.18	2.70	2.72	1.55
Lu	0.43	0.34	0.43	0.44	0.26
Ba	29.17	11.82	24.83	1078.65	480.83
Th	0.18	0.20	0.18	10.35	8.14
Nb	2.24	2.36	2.52	11.99	9.46
Y	27.85	22.01	27.88	26.63	12.50
Hf	2.13	1.72	2.12	4.36	3.47
Ta	0.17	0.17	0.18	0.75	0.75
U	0.09	0.07	0.23	3.26	2.87
Pb	0.47	0.37	0.37	9.67	6.68
Rb	1.17	1.00	0.98	127.82	47.20
Cs	0.03	0.11	0.05	2.98	4.24
Sr	138.32	148.24	141.20	360.87	191.88
Sc	43.23	35.79	41.99	12.11	4.92
Zr	76.02	59.65	74.75	164.72	139.78

* total Fe as FeO.
§ UTM coordinates are WGS datum, zone 11N.
# WSEMC, Western San Emigdio mafic complex basaltic sheeted dikes and pillows; BC, Bean Canyon pendant silicic metavolcanics.

Table SD11 (Continued).

Sample	*09SE21A*	*09SE32B*
	TIMS Sr and Nd data	
Sm (ppm)	2.669	2.932
Nd (ppm)	7.47716	8.751
$^{147}Sm/^{144}Nd$	0.215831	0.202589
$^{143}Nd/^{144}Nd(0)$	0.513289	0.513064
$\varepsilon_{Nd}(160)^{\dagger}$	+13.77	+9.30
$\varepsilon_{Nd}(484)^{\dagger\dagger}$	+15.91	+11.31
Rb (ppm)	2.811	1.49
Sr (ppm)	170.336	133.984
$^{87}Rb/^{86}Sr$	0.04775875	0.031965
$^{87}Sr/^{86}Sr$ (0)	0.703635	0.703393
$^{87}Sr/^{86}Sr$ (160)†	0.703526	0.703320
$^{87}Sr/^{86}Sr$ (484)††	0.703307	0.703173

† Age-corrected for 160 Ma, the intrusion age of tonalite and gabbro of the WSEMC (James, 1986a; this study).
†† Age-corrected for 484 Ma, the age of basalt-gabbro blocks of the Kings-Kaweah ophiolite belt (Saleeby, 2011).