

TABLE DR1. U-PB DATA FOR PLUTONIC ROCKS FROM THE WHITE MOUNTAINS

fraction (n)	weight (mg)	conc. (ppm)		$^{206}\text{Pb}^\dagger$	$^{206}\text{Pb}^\ddagger$	error (%)	$^{207}\text{Pb}^\ddagger$	error (%)	$^{207}\text{Pb}^\ddagger$	error (%)	ages (Ma)			corr. coeff.	total common Pb (pg)
		U	Pb*	^{204}Pb	^{238}U		^{235}U		^{206}Pb		^{207}Pb	^{207}Pb			
DS00-1: Beer Creek pluton (413779, 4136652)**															
za (9)	0.00040	7729	236.6	1148.1	0.02726	(.39)	0.1877	(.50)	0.04993	(.31)	173.4	174.7	191.6	0.79	4.7
zb (14)	0.0059	3261	96.18	1327.6	0.02695	(.18)	0.1913	(.28)	0.05148	(.21)	171.5	177.8	262.3	0.67	25
zc (19)	0.00090	7035	216.7	736.13	0.02711	(.49)	0.1857	(.67)	0.04967	(.44)	172.4	172.9	179.8	0.75	15
zd (15)	0.010	1599	46.89	1306.1	0.02644	(.37)	0.1822	(.50)	0.04998	(.33)	168.2	169.9	194.2	0.75	21
zf (16)	0.0067	1338	39.51	4208.2	0.02739	(.79)	0.1880	(1.0)	0.04977	(.63)	174.2	174.9	184.2	0.78	3.7
zg (18)	0.00090	8696	250.9	4324.5	0.02685	(.18)	0.1844	(.27)	0.04982	(.19)	170.8	171.9	186.4	0.70	3.1
zi (7)	0.00050	6205	177.8	1101.5	0.02653	(.38)	0.1826	(.46)	0.04992	(.24)	168.8	170.3	191.3	0.85	4.8
zj (9)	0.00070	3589	109.1	1449.2	0.02759	(.33)	0.1891	(.59)	0.04971	(.49)	175.5	175.9	181.3	0.57	3.1
zk (15)	0.0063	317.6	10.45	326.81	0.02678	(1.3)	0.1833	(1.7)	0.04963	(1.0)	170.4	170.9	177.7	0.80	11
zl (16)	0.0067	371.4	11.40	2499.0	0.02785	(.34)	0.1908	(.43)	0.04969	(.26)	177.1	177.3	180.7	0.80	1.8
zm (2)	0.011	543.4	16.78	868.66	0.02710	(.47)	0.1864	(.54)	0.04990	(.25)	172.4	173.6	190.5	0.88	12
zn (10)	0.0032	632.7	21.58	292.69	0.02767	(1.3)	0.1920	(1.5)	0.05031	(.73)	176.0	178.3	209.2	0.88	13
zo (3)	0.0017	494.8	34.15	204.09	0.05441	(1.5)	0.5885	(1.6)	0.07845	(.45)	341.5	469.9	1158	0.96	16
zp (8)	0.0045	557.4	16.93	1816.2	0.02837	(.30)	0.1996	(.56)	0.05103	(.46)	180.3	184.8	242.0	0.57	2.5
SF-1: Sage Hen Flat pluton (396730, 4150340)															
za (3)	0.010	1003	29.22	3312.6	0.02758	(.30)	0.1891	(.36)	0.04973	(.19)	175.4	175.9	182.6	0.85	5.4
zb (10)	0.0044	3733	108.5	3308.1	0.02759	(.22)	0.1889	(.33)	0.04966	(.24)	175.5	175.7	179.0	0.68	8.8
zc (7)	0.00050	18580	543.7	1849.4	0.02717	(.94)	0.1852	(1.5)	0.04944	(1.2)	172.8	172.5	168.8	0.62	8.8
zd (9)	0.0024	1540	46.77	850.88	0.02753	(.74)	0.1885	(.86)	0.04966	(.42)	175.1	175.4	179.1	0.87	7.8
ze (3)	0.010	115.6	3.870	232.96	0.02746	(2.3)	0.1945	(3.2)	0.05138	(2.2)	174.6	180.5	257.8	0.72	9.5
zf (9)	0.0039	2374	68.69	2995.8	0.02730	(.54)	0.1895	(.76)	0.05035	(.53)	173.6	176.2	211.2	0.71	5.4
zg (3)	0.00080	966.3	29.36	313.07	0.02762	(1.3)	0.1890	(1.8)	0.04963	(1.2)	175.6	175.8	177.7	0.76	4.6
PC98-2: Redding Canyon pluton (388719, 4135242)															
zb (21)	0.0017	6883	185.5	2631.2	0.02574	(.32)	0.1752	(.46)	0.04935	(.32)	163.8	163.9	164.7	0.72	7.3
zc (14)	0.0038	2206	58.54	1968.6	0.02524	(.49)	0.1750	(.61)	0.05028	(.36)	160.7	163.7	207.9	0.80	6.9
zd (29)	0.012	1935	52.50	6279.1	0.02620	(.24)	0.1847	(.36)	0.05114	(.26)	166.7	172.1	246.9	0.68	6.3

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zf (5)	0.017	519.0	15.49	2679.6	0.02834 (1.1)	0.2101 (1.7)	0.05378 (1.2)	180.1	193.7	361.8	0.67	5.9
zg (9)	0.0023	1282	38.14	876.04	0.02783 (.95)	0.2067 (1.1)	0.05388 (.48)	176.9	190.8	366.0	0.89	6.1
zi (10)	0.0026	1279	35.36	881.03	0.02569 (.90)	0.1755 (1.1)	0.04954 (.53)	163.5	164.2	173.4	0.86	6.3
zj(10)	0.034	262.1	10.20	3945.0	0.03618 (.40)	0.3261 (.55)	0.06537 (.37)	229.1	286.6	786.2	0.74	5.1

PC01-3: deformed diorite dike Poleta Canyon (386662, 4135916)

za (19)	0.00080	3803	254.0	3196.6	0.06163 (.27)	0.8482 (.46)	0.09983 (.34)	385.5	623.7	1621	0.68	3.8
zb (18)	0.00080	2496	125.3	1411.5	0.04663 (.45)	0.8708 (.47)	0.1354 (.13)	293.8	636.0	2170	0.96	4.3
zd (5)	0.006	194.8	6.270	1294.0	0.03078 (.49)	0.2428 (.69)	0.05722 (.46)	195.4	220.7	500.2	0.74	1.8
zf (1)	0.0043	148.3	14.55	1841.0	0.1000 (.51)	0.9938 (.68)	0.07207 (.42)	614.4	700.7	988.0	0.78	2.2
zg (1)	0.0043	277.3	9.018	1092.8	0.02586 (.40)	0.1760 (.69)	0.04936 (.53)	164.6	164.6	165.1	0.63	1.8
zh (1)	0.0012	272.1	7.697	164.42	0.02673 (2.7)	0.1874 (3.6)	0.05085 (2.3)	170.0	174.4	234.2	0.78	3.8
zi (2)	0.0024	287.7	28.36	979.57	0.09542 (1.6)	1.411 (1.6)	0.1073 (.24)	587.5	893.6	1753	0.99	4.4

SC98-1: deformed diorite dike Silver Canyon (388836, 4140496)

za (2)	0.00093	1879	49.42	972.11	0.02644 (.47)	0.1826 (.70)	0.05009 (.50)	168.2	170.3	199.1	0.70	3.1
zb (2)	0.00093	480.2	12.72	240.10	0.02555 (1.8)	0.1738 (2.0)	0.04934 (.90)	162.6	162.7	164.1	0.89	3.3

* Radiogenic Pb.

† Measured ratio corrected for fractionation only. All Pb isotope ratios were measured using the Daly detector, and are corrected for mass fractionation using 0.18 ‰/amu.

‡ Corrected for fractionation, spike, blank, and initial common Pb. After subtraction of blank Pb (<5 pg), common Pb corrections were unnecessary for most fractions. For fractions with total common Pb in excess of 5 pg, corrections were made using Stacey and Kramers (1975) initial Pb.

** All locations reported as UTM coordinates using NAD 27.

Analysis accomplished with a VG Sector 54 thermal ionization mass spectrometer at the University of North Carolina. Decay constants used are $^{238}\text{U} = 0.155125 \times 10^{-9} \text{yr}^{-1}$, and $^{235}\text{U} = 0.98485 \times 10^{-9} \text{yr}^{-1}$ [Steiger and Jäger, 1977]. Weights are estimated using a video camera and scale, and are known to within 10%. Data reduction and error analysis was accomplished using PbMacDat-2 by D.S. Coleman, using the algorithms of Ludwig [1989, 1990] and all errors are reported in percent at the 2σ confidence interval.

REFERENCES CITED

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